



ACTIVE REMOTE CONFIGURATION

A.R.C.

User Manual

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ISO 9001 Certified

Quality Management System

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1.1 About This Manual

This manual describes step-by-step the processes that are needed to work with Psion A.R.C. It also describes in detail the A.R.C. server screens and the definition of the data fields.

Chapter 1: Introduction

gives an overview of this document and an introduction to A.R.C.

Chapter 2: Customizing A.R.C.

describes how to configure the A.R.C. screens for the way that you work.

Chapter 3: Using A.R.C.

describes how to use A.R.C.

Chapter 4: Working With Devices

describes how to work with discovered devices.

Chapter 5: Working With Device Groups

describes the device screens and how to create and manipulate groups.

Chapter 6: Working With Tasks

describes the task screens and how to create and manipulate tasks.

Chapter 7: A.R.C. Features

describes global processes and windows, such as importing and exporting A.R.C. databases.

Chapter 8: Reports

describes the reports that you can generate on the A.R.C. server.

Appendix A: Glossary

defines frequently-used terminology.

Appendix B: Reference Materials

lists relevant Psion manuals.

1.2 Text Conventions



Note: Notes highlight additional helpful information.



Important: *These statements provide particularly important instructions or additional information that is critical to the operation of the equipment.*



Warning: *These statements provide critical information that may prevent physical injury, equipment damage or data loss.*

1.3 A.R.C. Overview

A.R.C. is a utility for configuring Psion computers over a network, or through an ActiveSync connection. Using A.R.C. you can download software onto the computer, and you can perform most of the configuration that can be done through the Control Panel. The same update can be applied to several devices at the same time.

A.R.C. is integrated with Total Recall. Using A.R.C. you can create Total Recall backup profiles, and you can download a Total Recall clone profile to several devices.

1.4 Support for A.R.C. on Psion Computers

The list of Psion computers that support A.R.C. is available on ingenuity Working at:
community.psim.com/knowledge/w/knowledgebase/430.aspx

1.5 Minimum System Requirements for the A.R.C. Server

The A.R.C. Server runs only on the following platforms:

- Windows XP Professional.
- Windows 7.

1.6 Database

The A.R.C. server requires a database. It must be one of the following:

- Microsoft SQL Server Express 2005—maximum database size 4GB.
- Microsoft SQL Server Express 2008—maximum database size 4GB.
- Microsoft SQL Server Express R2 2008—maximum database size 10GB.
SQL Server Express 2008 R2 is included in the A.R.C. Server installer.
- Microsoft SQL Server—no size limit on the database.

2

CUSTOMIZING A.R.C.

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2.1 Modifying Columns and Sorting Lists

On the [Devices Tab](#), and the [Tasks Pane](#), you can select the columns and the way that they are displayed, to suit the way that you work with A.R.C.

2.2 Change the Order of the Columns

1. Left-click on a column heading.
2. Hold the left mouse button down and drag the column heading until a pair of arrows appear at the column boundary where you want to place this column.
3. Release the left mouse button.
The column is moved to where the pair of arrows were positioned.

2.3 Add a Column

1. Right-click anywhere on the column heading row.
2. Select **Column Chooser** from the shortcut menu.
3. In the **Customization** dialog box, scroll to the required column heading.
4. Do one of the following:
 - While holding the left mouse button down, drag the heading to the column heading row, and position it where you want it.
See [Change the Order of the Columns](#) for instructions on positioning the column.
 - Right-click on the selection, then select **Show this Column** from the shortcut menu.
The column appears at the right hand side of the table.
 - Left double-click on the selection.
The column appears at the right hand side of the table.

2.4 Remove a Column

1. Right-click on a column heading.
 2. Select **Remove This Column** from the shortcut menu.
- Should you want to reinstate the column use the process described in [Add a Column](#).

2.5 Change Column Widths

1. Position the mouse pointer over the right-hand boundary of a column heading.
A line appears with an arrow at each end.
2. Hold the left mouse button down and drag this line until the column is the width that you want it to be.
3. Release the left mouse button.

2.6 Fit the Width of All Columns to their Data Size

You can expand all the columns so that all the data and all the headings are visible.

1. Right-click on the column heading.
2. Select **Best Fit (all columns) from the shortcut menu.**

2.7 Fit one Column Width to its Data Size

You can expand a column so that all the data and the heading are visible.

1. Right-click on the column heading.
2. Select **Best Fit** from the shortcut menu.

2.8 Sort a List by a Selected Column

Method 1

1. Right-click on the column heading.
2. Select **Sort Ascending**, or **Sort Descending**, from the shortcut menu.

Method 2

- Left-clicking on the column heading toggles sorting by this column between ascending and descending.

2.9 Clear Sorting

This reverses the last sort that was implemented on a selected column.

1. Right-click on a column heading.
2. Select **Clear Sorting** from the shortcut menu.

2.10 Group Rows by the Contents of a Column

You can repeat this process to have nested groupings of rows on the list.

On the [Device Group List](#) you can group devices according to the state of their auto-assign settings. See [Section 2.12 Group Target Devices by Auto-increment Settings on page 9](#) for details. **Device Settings** appears on the **Group by** box.

Method 1

1. Left-click on the column heading.
2. Hold the left mouse button down and drag the column heading upwards into the **Group by Box**.
3. Release the left mouse button.

The column heading remains in the **Group by Box**, and the rows are reorganized into this grouping.

Method 2

1. Right-click anywhere on the column heading row.
2. Select **Group By This Column** from the shortcut menu.

The column heading moves into the **Group by Box**, and the rows are reorganized into this grouping.

2.11 Ungroup Rows

You can repeat this process to remove nested groupings of rows.

Clear all groupings

1. Right-click anywhere on the group-by box.
2. Select **Clear Grouping** from the shortcut menu.

The columns are returned to the same position in the list that they occupied before they were selected for grouping.

Ungroup a selected grouping

If you have several nested groups, you can remove one as follows:

Method 1

1. Right-click on the group heading that you want to remove.
2. Select **Clear Grouping** from the shortcut menu.

The column is returned to the same position in the list that it occupied before it was selected for grouping.

Method 2

1. Left-click on the group heading.
2. Hold the left mouse button down and drag the group heading downwards into the column heading row. Then drag the group heading until a pair of arrows appear at the column boundary where you want to place this column.
3. Release the left mouse button.
The column is inserted where the pair of arrows were positioned.

2.12 Group Target Devices by Auto-increment Settings

This feature groups together target devices that have auto-increment settings, and those that have only settings that were specifically assigned. This affects settings such as IP address.

1. Select **Options** on the **Files** menu.
2. Select the **Environment** tab.
3. Select **Group devices with modified auto-increment settings together**.

While this is selected, the **Device Group List** on the **Devices Tab** groups devices which have had their auto-increment settings modified using the **Device Settings Editor**, and devices which have not had their auto-increment settings modified, separately.

Device Settings is displayed in the **Group by** box.

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3.1 Set Up A.R.C. Server Connection Settings

For an overview of the network options available to A.R.C. see the *A.R.C. Administrators Guide*, available on Ingenuity Working at community.psion.com/knowledge/w/knowledgebase/active-remote-configuration.aspx.

On a wired network or a WLAN, this process defines the settings for all outgoing and incoming network messages for the A.R.C. Server:

1. Ensure that the A.R.C. Server is not broadcasting.
 - If it is discovering devices, click **Stop Discovery** on the toolbar.
 - If it is deploying tasks, click **Deploy Tasks** on the toolbar, and make sure the button is no longer highlighted.
2. On the left navigation bar, select **Device Groups**.
3. On the toolbar, select **Connection Settings**.
The **Connection Settings** window opens.
4. In **Site ID** type the A.R.C. Site ID.



Important: *If you do not set the Site ID, the A.R.C. Server will not send beacons or transmit messages.*

5. On the **Server Interface** drop-down list select the network address of the A.R.C. Server:

Type	When to use this...
Computer name	When the A.R.C. Server and the devices are on the same local network. It is recommended that you use this setting with Windows Mobile-based devices.
Fully qualified computer name For example XXX-NNN.ad.psion.com	When the A.R.C. Server and the devices are not on the same local network.
IP address	It is recommended that you do not use this with Windows Mobile-based devices. (On Window Mobile-based devices, the Windows Connection Type should be set to Internet .)
ActiveSync	With direct connect using ActiveSync when the A.R.C. Server has no wired, or wireless, connection to a network.

6. In **Beacon Destination** define the IP address for broadcast messages, or the range of IP addresses for messages to selected devices. See [Section 3.1.1 Set Up the Beacon Destination](#) for instructions.
7. Select the **Broadcast Frequency**.
8. Click **Save**.

3.1.1 Set Up the Beacon Destination

This process defines the IP addresses of the devices that are to receive messages from the A.R.C. Server.

Send network broadcasts

1. Select **Network**.
2. The drop-down list displays all the broadcast IP addresses that A.R.C. detects on the current interface. Select an address.

Send messages to one device

1. Select **Network**.
2. Do one of the following:
 - If A.R.C. has already communicated with the device, select the IP address from the drop-down list.
 - If A.R.C. has not communicated with the device, type the IP address of the device in the **Network** box.

Send messages to several devices within a range of IP addresses

1. Select **Address Range**.
2. Enter the IP address of the first device.
3. Enter the IP address of the last device.

3.2 Discover Devices on a Network

For an overview of the discovery process see the *A.R.C. Administrators Guide*, available on Ingenuity Working at community.psiion.com/knowledge/w/knowledgebase/active-remote-configuration.aspx.


This process applies to a wired network or to a WLAN.

If you are using a web service that allows fewer simultaneous connections than the number of devices that you have, you must discover the devices in batches.



Important: You cannot make changes to the **Connection Settings** while the A.R.C. Server is broadcasting.


3.2.1 Place Discovered Devices in the Discovered Devices Folder

1. Ensure that the A.R.C. Server broadcasts have been set up. For instructions see [Section 3.1 Set Up A.R.C. Server Connection Settings on page 13](#).
2. On the left navigation bar, select **Device Groups**.
3. On the toolbar, click **Start Discovery**.
While A.R.C. is sending discovery beacons the **Discovered Devices** icon () rotates.
As the devices are discovered by A.R.C., they are added to the **Discovered Devices** device group.
When a device has been discovered and the system tasks have been downloaded and installed, its status becomes **Idle**.
4. When all the devices have been discovered, click **Stop Discovery** on the toolbar.

3.2.2 Move Discovered Devices to the My Groups Folders

You can move the discovered devices from the **Discovered Devices** group into other groups. For instructions see [Section 4.2 Move Devices to Another Group on page 35](#).

3.2.3 Automatically Place Discovered Devices in the My Groups Folders

1. Ensure that the A.R.C. Server broadcasts have been set up. For instructions see [Section 3.1 Set Up A.R.C. Server Connection Settings on page 13](#).
2. Ensure that auto-assign rules have been set up to sort the devices into the relevant **My Groups** folders. For instructions see [Section 5.6 Set up Auto-assign Rules on page 40](#).
3. On the left navigation bar, select **Device Groups**.
4. On the toolbar, click **Start Discovery**.
While A.R.C. is sending discovery beacons the **Discovered Devices** icon () rotates.
As the devices are discovered by A.R.C., they are added to the **My Groups** folders.
When a device has been discovered and the system tasks have been downloaded and installed, its status becomes **Idle**.
5. When all the devices have been discovered, click **Stop Discovery** on the toolbar.

3.3 Discover Devices Using ActiveSync or WMDC

For an overview of the discovery process see the *A.R.C. Administrators Guide*, available on Ingenuity Working at community.psiion.com/knowledge/w/knowledgebase/active-remote-configuration.aspx.

1. Ensure that the A.R.C. Server is not broadcasting.
 - If it is discovering devices, click **Stop Discovery** on the toolbar.
 - If it is deploying tasks, click **Deploy Tasks** on the toolbar, and make sure the button is no longer highlighted.
2. On the left navigation bar, select **Device Groups**.

3. On the toolbar, select **Connection Settings**.
Connection Settings opens.
4. In **Site ID** type the A.R.C. Site ID.
5. If the A.R.C. Server does not have a wired, or an unwired, network connection; set **Server Interface** to **ActiveSync only**.
6. Click **Save**.

For Windows CE-based devices

1. Select **Options** on the **Files** menu.
2. Select the **ActiveSync** tab.
3. Select **Enable Guest Only**.

3.3.1 Place Discovered Devices in the Discovered Devices Folder

- As soon as a connection is made with a device, the device is discovered by the A.R.C. Server. Use one of these methods to force a new connection:
 - Create a new connection.
 - If there is already a connection, briefly interrupt the connection.

3.3.2 Move Discovered Devices to the My Groups Folders

You can move the discovered devices from the **Discovered Devices** group into other groups. For instructions see [Section 4.2 Move Devices to Another Group on page 35](#).



3.3.3 Place Discovered Devices in the My Groups Folders

1. Ensure that rules have been set up to sort the devices into the relevant **My Groups** folders. For instructions see [Section 5.6 Set up Auto-assign Rules on page 40](#).
2. As soon as a connection is made with a device, the device is discovered by the A.R.C. Server. Use one of these methods to force a new connection:
 - Create a new connection.
 - If there is already a connection, briefly interrupt the connection.

3.4 Troubleshoot Device Discovery

The A.R.C. icon does not appear in the taskbar of potential target devices

What should be happening:

During the A.R.C. device discovery process, the A.R.C. download icon () or the A.R.C. installer icon () should be displayed in the taskbar of the device while it is in communication with the A.R.C. Server and processing A.R.C. data.

To resolve this issue:

- Check the settings in **Connection Settings**. The IP address of the devices must be included in the **Beacon Destination**: The IP address of the devices must either be in the **IP Address Range**, or it must be within the range of the subnet broadcast.
- On the device, check the **ARC Site ID** in the Control Panel **System Properties**. If this contains a different **Site ID** from the one that is currently set in the **Connection Settings**, the device does not respond to the discovery beacon.

The A.R.C. Server is not receiving replies from the potential target devices

To resolve this issue:

- Check the firewall settings on the A.R.C. Server. You may have to temporarily turn the firewall off.
- Some Windows Mobile-based devices cannot resolve the host IP address. In **Connection Settings** set **Server Interface** to the host name instead of the IP address of the A.R.C. Server. In Windows Mobile, select **Internet** as the **Connection Type**.

If you cannot use a browser to reach Internet sites, the device cannot send messages to the A.R.C. Server.

Connection problems using ActiveSync, or WMDC, with Windows Mobile 6.0

To resolve this issue:

- On the A.R.C. Server, in ActiveSync, or WMDC, in **Connection Settings** set **This computer is connected to The Internet**.

3.5 Discover a Device That Has an Old Site ID

If a device has previously been used with A.R.C., and it has not been deleted from the A.R.C. Server, or the deletion did not succeed, the A.R.C. Site ID and the A.R.C. Group ID are still recorded on the device. Unless the A.R.C. Site ID is removed from the device, it cannot be discovered by an A.R.C. Server that has a different Site ID.

On the device

1. Navigate to the Control Panel **System Properties**.
2. Note the setting for **ARC Site ID**.
3. If A.R.C. autorestore is active on the device, disable the autorestore by following the instructions in [Section 3.6 Delete the A.R.C. Autorestore Files From a Device](#).

On the A.R.C. Server

1. Select the **All** folder in **My Groups** in the left navigation pane.
2. Click **Connection Settings** on the toolbar.
The [Connection Settings](#) box opens.
3. Enter the **ARC Site ID** that is set on the device into **Site ID**.
4. Set up the rest of the data in [Connection Settings](#) to communicate with the device. See [Section 3.1 Set Up A.R.C. Server Connection Settings on page 13](#) for instructions.
5. Discover the device following the instructions in [Section 3.2 Discover Devices on a Network on page 14](#).
6. Move the device to the **Devices to be Deleted** folder. For instructions see [Section 4.2 Move Devices to Another Group on page 35](#).
The count displayed beside the **Devices to be Deleted** folder decreases as devices are cleared.
7. Check that the device has been removed from the **Devices to be Deleted** folder.
8. You can now discover the device using a new Site ID. See [Section 3.2 Discover Devices on a Network on page 14](#).

3.6 Delete the A.R.C. Autorestore Files From a Device

When a task, with autorestore selected, has been downloaded to a target device, the autorestore runs each time a warm reset is run on the device. Sometimes this causes unwanted effects, such as restoring an old A.R.C. site ID.

1. Move the devices, that you want to remove autorestore from, into their own device group.
2. Create a task based on the [File and Folder Activities](#) template. See [Section 6.2 Create a Task on page 67](#) for instructions.
3. Specify the file to be deleted as follows:
\\Flash Disk\\Startup\\PTX.ARC.AutoRestore.Ink
4. Assign the task to the device group containing the devices from which you want to clear A.R.C. autorestore.
5. Deploy tasks for this group. See [Section 3.7 Deploy Tasks Assigned to a Device Group on page 16](#).

3.7 Deploy Tasks Assigned to a Device Group

For an overview of the deployment process see the *A.R.C. Administrators Guide*, available on Ingenuity Working at community.psion.com/knowledge/w/knowledgebase/active-remote-configuration.aspx.


This process downloads the tasks that are assigned to one device group and its child groups.



Note: When you start the deployment process, the A.R.C. Server transmits the download using the current settings defined in [Connection Settings](#).

*To successfully deploy to a target device, it must both be in the selected device group, and its address must be reached with the current **Connection Settings**.*

1. Select **Device Groups** in the left navigation bar.
2. Select a device group.
If you select a parent group, tasks are deployed to the parent group and to all the child groups.
3. Do one of the following:
 - Click **Deploy Tasks** in the toolbar.
 - Right-click the device group; select **Deploy Tasks** from the shortcut menu.

The **Synchronize** icon () appears beside the selected device group in the left navigation bar.

As the tasks are downloaded and installed, the progress on each target device is shown in the **Status**, and the **Percentage Complete** columns of the [Device Group List](#) on the [Devices Tab](#).
4. To see the progress of the tasks on a selected target device do the following:
 - Select the target device on the [Device Group List](#).
The [Target Device Task List](#) is displayed for that device.
 - The **Percentage Complete** column on the [Target Device Task List](#) shows the progress of the download and installation for each task. If there is an error, the line in the **Percentage Complete** column becomes red.
 - For all tasks except the A.R.C. system tasks, a message indicating the outcome of the task is displayed in the **Messages** column.
5. If you want to see the detailed results for a selected target device do the following:
 - a. Right-click anywhere on the target device row.
 - b. On the shortcut menu, select **Reports > Device - Configuration Log**.

This report is the log from the target device. It is copied to the A.R.C. Server at the end of the download. It is particularly useful if you want to find out why a task has failed.

3.8 Deploy Tasks to a Device Using ActiveSync or WMDC

For an overview of the deployment process see the *A.R.C. Administrators Guide*, available on Ingenuity Working at community.pSION.com/knowledge/w/knowledgebase/active-remote-configuration.aspx.

Set up deployment

1. Ensure that the device has been discovered by the A.R.C. Server. See [Section 3.3 Discover Devices Using ActiveSync or WMDC on page 14](#) for instructions.
2. Place the device in a device group.
3. Assign the tasks to that device group. See [Section 3.10.1 Assign Tasks to a Device Group on page 18](#).

For Windows CE-based devices

1. Select **Options** on the **Files** menu.
2. Select the **ActiveSync tab**.
3. Select **Enable Guest Only**.

Deploy tasks

1. Make a new ActiveSync connection to the device. If the connection already exists, briefly interrupt it.
2. As the tasks are downloaded and installed, the progress on is shown in the **Status**, and **Percentage Complete** columns of the [Device Group List](#) on the [Devices Tab](#).
3. To see the progress of the tasks select the target device on the [Device Group List](#):
The [Target Device Task List](#) is displayed for that device.
The **Percentage Complete** column on the [Target Device Task List](#) shows the progress of the download and installation for each task. If there is an error, the line in the **Percentage Complete** column becomes red.

For all tasks except the A.R.C. system tasks, a message indicating the outcome of the task is displayed in the **Messages** column.

4. If you want to see the detailed results for a selected target device do the following:
 - a. Right-click anywhere on the target device row.
 - b. On the shortcut menu, select **Reports** > **Device - Configuration Log**.

This report is the log from the target device. It is copied to the A.R.C. Server at the end of the download. It is particularly useful if you want to find out why a task has failed.

3.9 Schedule The Deployment of Tasks to a Device Group

You can set up regular deployments of A.R.C. tasks to a device group. The frequency of the updates can be anywhere from minutes to monthly. All the tasks that are assigned to the device group are updated according to this schedule. You can also select deployment when a device is reset (reboot) or when a device is changed to external power.

1. Select the device group for which you want to schedule the deployments.
 - a. Select **Device Groups** in the left navigation bar.
 - b. Expand the **My Groups** section until the group that you want is visible.
 - c. Select the group name in the left navigation bar.
2. Select the **General Tab**.
3. In the Device Settings section of the **General Tab** do at least one of the following:
 - Select the frequency of the deployment.
 - Select **Update on boot** if the devices are to request an update from the A.R.C. Server each time there is a warm reset or a cold reset. There are no retries.
 - Select **Update on AC power** if the devices are to request an update from the A.R.C. Server each time the device starts to run on external power. There are no retries.

For more information on these settings see [Section 5.8.2 Device Settings on page 45](#).



Warning: *You must manually deploy tasks to the device group before this schedule can become active. For instructions on manual deployment see [Section 3.7 Deploy Tasks Assigned to a Device Group](#).*

3.10 Add and Delete the Tasks Assigned to a Device Group

Before it can be downloaded, every task must be assigned to one or more device groups. You can add and remove tasks from a device group. All target devices in the same device group have the same tasks assigned to them.

Each task on this list must have a unique ID. Tasks with the same ID but different versions cannot coexist on this list.

1. Select the device group where you want to make the changes.
 - a. Select **Device Groups** in the left navigation bar.
 - b. Expand the **My Groups** section until the group that you want is visible.
 - c. Select the group name in the left navigation bar.
2. Select the **Tasks Tab**.

The list of tasks assigned to the current device group is displayed.

3.10.1 Assign Tasks to a Device Group

1. At the bottom of the screen, click **Add...**
Add Tasks opens displaying all the tasks that are defined in A.R.C.
2. If you want to select tasks from a task filter, select the name of the filter from the **Filters** drop-down list.
A shorter list, showing only the tasks that are included in this filter, is displayed.

3. Select the tasks to be added to this device group by doing one of the following:
 - **Select one task:** Click anywhere on the task row.
 - **Select a contiguous group of tasks:** Click on the first task, then hold down the **Shift** key and click on the last task.
 - **Select several tasks:** Hold down the **Ctrl** key and click individually on several tasks.
4. Click **OK**.

3.10.2 Remove Tasks from a Device Group

1. Select the tasks that you want to remove from this device group by doing the following:
 - **Select one task:** Click anywhere on the task row.
 - **Select a contiguous group of tasks:** Click on the first task, then hold down the **Shift** key and click on the last task.
 - **Select several tasks:** Hold down the **Ctrl** key and click individually on several tasks.
2. At the bottom of the screen, click **Remove**.
3. Click **Yes**.

3.11 Configure A.R.C. Network Utilization

When the A.R.C. Server downloads task data to the target devices this can cause a significant increase in network traffic. You can prevent these downloads from interfering with other network activities. For each device group, you can configure the block size and the interblock delay. If you select adaptive download, A.R.C. optimizes message transmission for the network by adjusting the delay between transmissions.

Assign an A.R.C. network to a device group

1. Select a device group.
2. Select the **Network Tab**.
3. Select an A.R.C. network utilization option on the **Network** drop-down list.
4. Click **Apply**.

Create an A.R.C. network

1. Select a device group.
Any device group will do, you just need access to the **Network Tab**.
2. Click **Manage**.
Configure Network Utilization opens.
3. Click **New Network**.
Network Utilization opens.
4. Enter the A.R.C. network utilization option details.
5. When you return to the **Network Tab**, the new network utilization option is available on the **Network** drop-down list.

Modify an A.R.C. network

1. Select a device group.
Any device group will do, you just need access to the **Network Tab**.
2. Click **Manage**.
Configure Network Utilization opens.
3. Select an A.R.C. network utilization option on the **Network** drop-down list.
4. Click **Modify Network**.
Network Utilization opens.
5. Edit the A.R.C. network utilization option details.
6. When you return to the **Network Tab**, the new network settings are applied to all the device groups that use this A.R.C. network utilization option.

Delete an A.R.C. network

1. Ensure that the network is not assigned to any device groups.
2. Select a device group.
Any device group will do, you just need access to the [Network Tab](#).
3. Click **Manage**.
[Configure Network Utilization](#) opens.
4. Select an A.R.C. network utilization option on the **Network** drop-down list.
5. Click **Delete**.

3.12 Update Devices Offline

When devices are not on a network that can be reached from the A.R.C. Server, you can deploy tasks to them on a USB memory stick. After updating the devices, you can update their information on the A.R.C. Server using the same memory stick. If there are a lot of devices to be updated, you can divide the devices between several memory sticks.

The compatibility rules are not applied to tasks that are deployed offline. If there are restrictions on which tasks are deployed to which devices, you must ensure that similar devices are grouped together by device group.

Load A.R.C. tasks onto a memory stick

1. Ensure that the discovered devices that are to be updated are placed into one device group, or they are placed into subgroups of a parent device group.
2. Ensure that the tasks are assigned to the parent group and its subgroups. See [Section 3.10 Add and Delete the Tasks Assigned to a Device Group on page 18](#).
3. Assign ranges of values to the auto-increment properties. See [Section 3.14 Auto-increment Properties on page 22](#).
4. Select the device group, or the parent device group.
5. Do one of the following:
 - Click **Offline Deploy Tasks** on the toolbar.
 - Right-click the device group; select **Offline Deploy Tasks** from the shortcut menu.The [Offline Deployment](#) window opens listing all the devices in the device group.
6. Select the devices that you want to update offline by doing one of the following:
 - **Select one task:** Click anywhere on the task row.
 - **Select a contiguous group of tasks:** Click on the first task, then hold down the **Shift** key and click on the last task.
 - **Select several tasks:** Hold down the **Ctrl** key and click individually on several tasks.
7. Enter the number of virtual devices that are to be updated. These are devices that need to be updated but have not been discovered by the A.R.C. Server. The number of these devices is limited by the number of unused auto-increment values that are available.
8. If some of the virtual devices have auto-increment properties that are non-incrementing, cancel the deployment and edit the auto-increment properties for these devices. When this is done, reopen the **Offline Deployment** window.
9. In the [Offline Deployment](#) window do the following:
 - If the devices are to contact the A.R.C. Server for scheduled updates, enter the address of the A.R.C. Server.
 - If you want to split the device information between several memory sticks, enter the number in **Create Multiple Deployment Packages**.
10. Click **Deploy**.
The **Browse for Folder** dialog box opens.

11. Do one of the following:
 - Navigate to the drive where you have inserted the USB memory stick; then click **OK**.
The A.R.C. deployment files are placed in folders in the root directory of the memory stick.
 - Select a folder on your desktop computer—the file can be copied to a USB memory stick later; if necessary create or select a folder; then click **OK**.

When the deployment packages are complete, a message appears. Click **OK**.
12. If you want a list of the devices that are to be updated offline run the [Group - Update Status](#) report.

Deploy A.R.C. tasks to a device offline

1. Ensure that the folders containing the A.R.C. deployment files are in the root directory of the memory stick.
2. Insert the USB memory stick into a USB port on the Psion device—some models need to be docked for this.
The **Terminal Provisioning System** screen is displayed.
3. Wait until the following message is displayed:
You may remove the USB drive
4. Remove the USB memory stick.

Update A.R.C. from a memory stick

After all the offline devices have been updated, load the USB memory stick on the A.R.C. Server.

1. Click **Offline Data Retrieve** on the toolbar.
The [Offline Data Retrieval](#) box opens.
2. Navigate to the same folder on the memory stick where you saved the A.R.C. data for the offline deployment.
3. Click **Retrieve**.
4. You can now open the device group that was updated and view the offline updates.

3.13 Update Devices over WWAN

You can update devices over a WWAN; however, in most cases using offline deployment, as described in [Section 3.12 Update Devices Offline on page 20](#), is a better choice. The process is as follows:

Create a WWAN shortcut

1. In the **File** menu click **Create WWAN Shortcut**.
A **Save As** window opens.
2. Select the folder where you want to save the ARC.Ink file.
This file contains the **Site ID** and the current network address of the A.R.C. Server.

Load ARC.Ink onto each device

1. Ensure that there is an open network path between each device and the A.R.C. Server.
You should be able to ping the A.R.C. Server from each device.
2. Copy ARC.Ink onto each device.
3. On each device, double-click ARC.Ink.
The device is discovered by the A.R.C. Server and placed in the **Discovered Devices** group or if there are auto-assign rules, it is placed in the chosen group.

Deploy tasks to the devices

1. Place the devices in their groups.
2. Manually deploy tasks to the devices.
After deployment, the device properties and history are updated on the A.R.C. Server.

3.14 Auto-increment Properties

Auto-increment device properties—such as device ID, and static IP address—take values that are unique for each device. These values can be automatically incremented and assigned to each device by A.R.C., or you can assign a specific value to each device.

Auto-increment property values are set in one of the following ways:

- [Set Incrementing Values in Auto-increment Properties](#)
- [Set Custom Values in Auto-increment Properties](#)
- [Use a Spreadsheet to Set Custom Values in Auto-increment Properties](#)

3.14.1 Set Incrementing Values in Auto-increment Properties

A.R.C. can control the incrementing of auto-increment properties. You define a range of values that A.R.C. assigns starting with the lowest number and increasing by one for each succeeding device. The assignment of values starts with the device at the top of the [Device Group List](#) on the [Devices Tab](#) and continues sequentially down the list.

You can do the following:

- [Auto-increment Strings](#)
- [Auto-increment Numbers](#)
- [Auto-increment IP Addresses](#)

If you want to check these values before they are downloaded to the devices, do this:

1. Select the device group.
 - a. Select **Device Groups** in the left navigation bar.
 - b. Expand the **My Groups** section until the group that you want is visible.
 - c. Select the group name in the left navigation bar.
2. Right-click the device group; then select **Custom Device Settings** from the shortcut menu.

The [Device Settings Editor](#) opens. The columns displayed are **Serial Number** and the auto-increment properties that you defined in the tasks assigned to this device group.
3. Click **Cancel**.

3.14.1.1 Auto-increment Strings

You may need to set an auto-increment property to a character string concatenated with an incrementing numeric value. In this case, when you specify an auto-increment property during task creation, the [Auto-increment Format String Editor](#) opens. The assignment of values starts with the device at the top of the [Device Group List](#) on the [Devices Tab](#) and continues incrementing sequentially down the list.

Example 1

To define a range of values from XYZ01 to XYZ08 enter the following:

Format String: XYZ{0:00}

Start Value: 1

End Value: 8

Example 2

To define a range of values from XYZ1 to XYZ8 enter the following:

Format String: XYZ{0:0}

Start Value: 1

End Value: 8

Example 3

To define a range of values from A05BCD to A678BCD enter the following:

Format String: A{0:00}BCD

Start Value: 5

End Value: 678

Example 4

To define a range of values from A005BCD to A678BCD enter the following:

Format String: A{0:000}BCD

Start Value: 5

End Value: 678

3.14.1.2 Auto-increment Numbers

Some auto-increment properties—such as TekTerm terminal numbers—require an incrementing numeric value. In this case, when you specify an auto-increment property during task creation, the **Auto-increment Numeric Editor** opens. Enter the beginning and the end of the range of values. The assignment of values starts with the device at the top of the **Device Group List** on the **Devices Tab** and continues incrementing sequentially down the list.

3.14.1.3 Auto-increment IP Addresses

Some auto-increment properties require an incrementing static IP address. For these, when you specify an auto-increment property during task creation, the **Auto-increment IP Editor** opens. Enter the beginning and the end of the range of values. The assignment of values starts with the device at the top of the **Device Group List** on the **Devices Tab** and continues incrementing sequentially down the list.

3.14.2 Set Custom Values in Auto-increment Properties

Device properties, that are defined as auto-increment, can have custom values assigned to them. Using this method the values are not incremented; they are set to values that are associated with the device serial number.

Define the auto-increment property

1. Define a task that includes one or more auto-increment settings—for example a task that changes the **Device Name**. See [Section 6.2 Create a Task on page 67](#) for instructions.
If you want A.R.C. to check that the values that you set during the **Set the auto-increment values** step are in a specific range, specify auto-increment values for the property.
If you do not want A.R.C. to check that the values that you set during the **Set the auto-increment values** step, do not open the auto-increment editor and do not specify auto-increment values for the property.
2. Assign the task to a device group. See [Section 3.10.1 Assign Tasks to a Device Group on page 18](#) for instructions.

Set the auto-increment values

1. Select the device group where you want to make the changes.
 - a. Select **Device Groups** in the left navigation bar.
 - b. Expand the **My Groups** section until the group that you want is visible.
 - c. Select the group name in the left navigation bar.
2. Right-click the device group.
3. Select **Custom Device Settings** on the shortcut menu.
The **Device Settings Editor** opens with the serial number column followed by a column for each of the auto-increment properties that you have defined.
4. Enter or edit values in the table for each device serial number.
5. When you have finished editing this table, do one of the following:
 - Click **Apply** to change the settings on the A.R.C. Server and leave the editor open.
These values will be downloaded to the target devices next time the corresponding task is deployed.
 - Click **OK** to change the settings on the A.R.C. Server and close the editor.
These values will be downloaded to the target devices next time the corresponding task is deployed.
 - Click **Save** to save these values in a CSV file on the A.R.C. Server.

3.14.3 Use a Spreadsheet to Set Custom Values in Auto-increment Properties

Device properties, that are defined as auto-increment, can have custom values assigned from a spreadsheet which is saved as a CSV file. The CSV file is imported into the A.R.C. Server. Using this method

the values are not automatically incremented; they are set to values that are associated with the device serial number in the CSV file.

Define the auto-increment setting

1. Define a task that includes one or more auto-increment properties—for example a task that changes the **Device Name**. See [Section 6.2 Create a Task on page 67](#) for instructions.
If you want A.R.C. to check that the values that you set during the [Edit Exported auto-increment settings in a spreadsheet](#) step are in a specific range, specify auto-increment values for the property.
If you do not want A.R.C. to check that the values that you set during the [Edit Exported auto-increment settings in a spreadsheet](#) step, do not open the auto-increment editor and do not specify auto-increment values for the property.
2. Assign the task to a device group. See [Section 3.10.1 Assign Tasks to a Device Group on page 18](#) for instructions.

Export auto-increment settings as a CSV file

You can export device configurations to a CSV (comma separated values) file. The CSV file can be imported into a spreadsheet where you edit it. Later, you can import the modified CSV file into the A.R.C. Server.

This is a convenient way of making changes to auto-increment properties on an A.R.C. system that has a large number of devices.

1. Select a device group.
 - a. Select **Device Groups** in the left navigation bar.
 - b. Expand the **My Groups** section until the group that you want is visible.
 - c. Select the group name in the left navigation bar.
2. Right-click the device group; then select **Custom Device Settings** from the shortcut menu.
The [Device Settings Editor](#) opens. The columns displayed are **Serial Number** and the auto-increment properties that you defined in the tasks assigned to this device group.
3. Click **Save**, and specify where the CSV file is to be stored.
4. Click **Cancel**.

Edit Exported auto-increment settings in a spreadsheet

1. Using a spreadsheet program, open the A.R.C. configuration file that was exported in CSV format.
2. Make changes to the file:
 - You must retain the serial number column as the first column.
 - You can delete rows and columns from the file.
 - You can create new rows.
 - You can change the values in the table cells. Do not change the column headings.
3. Delete all rows above the column heading labels.
4. Delete all rows below the last row of data.
5. Save the file as a CSV file.

Import a CSV configuration file



Important: *The imported file must not have any rows above the column headings. If there are no column headings, the data must start on the top row of the table.*

The serial number column must be the first column in the table.

There must not be any empty rows following the data.

1. Select a device group.
 - a. Select **Device Groups** in the left navigation bar.
 - b. Expand the **My Groups** section until the group that you want is visible.
 - c. Select the group name in the left navigation bar.
2. Right-click the device group name; then select **Custom Device Settings** from the shortcut menu.
The [Device Settings Editor](#) opens. The columns displayed are **Serial Number** and the auto-increment properties that you defined in the tasks assigned to this device group.

3. Click **Open**.
The **Import Devices Settings Wizard** opens.
4. In the **Filename** box select the name of the CSV file.
5. Optionally, complete the other fields in this box.
6. Click **Next**.
The **Preview Rows** and the **Mappings** are displayed. The **Preview Rows** should resemble the layout of the spreadsheet where you defined the values.
7. In the **Mappings** section, click in the **Device Property** column on each row and select the mapping from the drop-down list.
8. Click **Finish**.
9. Click **Apply** to apply these edited settings to the current A.R.C. settings.



*Note: If you import a row for a device with a serial number that is not part of the current device group, A.R.C. places the device in the **Discovered Devices** group.*

3.15 Import an A.R.C. Database

You can import an entire A.R.C. database, or parts of it, from a file. When you import data, it is added to the data already in the database. If you do not want to add the imported data to existing data, you can delete the contents of the database before you start the import by following the instructions in [Section 3.17 Delete All A.R.C. Data on page 25](#). To import a database, do the following:

1. In the **File** menu click **Import**.
The **Import Wizard** opens.
2. Use the **Browse** button to locate the A.R.C. archive file—a ZIP file—that you want to import.
The groups, tasks, auto-assign rules, and beacon configurations stored in the selected file are displayed.
3. Select the items that you want to import.
4. Click **Finish**.
5. For guidance in answering questions that appear during the import see [Section 7.2 Information Window on page 121](#).

3.16 Export the A.R.C. Database

You can export the entire A.R.C. database, or you can export parts of it, to a file. Do the following:

1. In the **File** menu click **Export**.
The **Export Wizard** opens.
2. Select the items that you want to export.
3. If you want to maintain the structuring of the groups, select **Export Group Layout**.
4. Select the archive file where you want to store the data.
5. Click **Finish**.

3.17 Delete All A.R.C. Data



Warning: *This process deletes all your target devices, device groups, tasks, and rules.*

To delete all your data, and return to an empty database, do the following:

1. Select **Options** on the **Files** menu.
The **Options Window** opens.
2. Select the **Environment tab**.
3. Click **Restore Default Settings**.
4. It is recommended that you restart the A.R.C. Server.

3.18 Delete Device History After a Clean Start

The A.R.C. Server keeps a history of all the tasks deployed to each device and the outcome of each task. You can view this history on the [Device - Configuration Log](#) report.

Optionally, the history of any device, that has recently undergone a clean start, can be deleted when the device is rediscovered by the A.R.C. Server.

1. Select **Options** of the **Files** menu.
2. Select the **Environment tab**.
3. Select **Delete previous settings when a clean device is discovered**.

3.19 Clone the Registry

You can clone all or part of the registry from one Psion device to other Psion devices. The options are:

- [Clone Directly from Another Psion Device](#)
- [Clone from a Registry Data File](#)

3.19.1 Clone Directly from Another Psion Device

Connect the source device to the A.R.C. Server.

1. Set up an ActiveSync or a WMDC connection between the source device and the A.R.C. Server.
2. Create a [Registry Cloning](#) task.
3. Click **Connect**.



Note: While the device is uploading the registry data to the A.R.C. Server, you cannot cancel the operation.

The registry keys are all uploaded to the A.R.C. Server. When this process is complete the entire registry is listed under **Select Additional Registry Keys**.

The **compatibility rules table** is configured so as to restrict the task to only devices with the same model number and operating system as the source device.

4. Select the registry keys to be downloaded to the target devices.
5. Select **A.R.C. initiated warm reset** as the **After Install** action.

Assign the task to the device group

Assign tasks to the device group following the instructions in [Section 3.10.1 Assign Tasks to a Device Group on page 18](#).

Deploy the task

Deploy the task. For instructions see [Section 3.7 Deploy Tasks Assigned to a Device Group on page 16](#).

3.19.2 Clone from a Registry Data File

Save the registry to a data file

Windows CE operating systems

1. On the source device, run **regfile** and define the filename where the registry data is to be saved.
2. Copy the registry data file to the A.R.C. Server.
3. You may edit the data in the registry file, if necessary.

Create the task

1. Create a [Registry Cloning](#) task.
2. Select **Select registry file**, then select the filename on the A.R.C. Server where the registry data is saved.
3. Select **A.R.C. initiated warm reset** as the **After Install** action.

Assign the task to the device group

Important: Using this method for cloning the registry, A.R.C. does not generate any restrictions on the devices that the registry data file can be deployed to. You must ensure that you deploy to devices where the registry settings are valid.

Assign tasks to the device group following the instructions in [Section 3.10.1 Assign Tasks to a Device Group on page 18](#).

Deploy the task

Deploy the task. For instructions see [Section 3.7 Deploy Tasks Assigned to a Device Group on page 16](#).

3.20 Update an Operating System

Using A.R.C. to update an operating system, and then configuring the updated device to be operational, is a multistep process. Broadly the steps are as follows:

1. Create and deploy A.R.C. tasks that configure network settings on the target devices. Select autorestore for these tasks.
This step is required so that the device is easily discovered by A.R.C. after the operating system update. The operating system update defaults the device configuration. The autorestore network tasks will configure the device after the operating system update.
2. Create and deploy the A.R.C. task to update the operating system.
3. At the end of the operating system update, the device performs a warm reset. This causes the autorestore tasks to be rerun.

This process downloads and installs large files. It takes several minutes to complete.



Note: You cannot use A.R.C. to perform any operating system upgrade that requires a licensing change. You must send the devices to the depot for this type of upgrade.

Things to remember

- Ensure that the devices, which are not on external power, have enough charge in their batteries for the entire task.

3.20.1 Updating an Operating System Using a Multi-image File

A multi-image file has all the operating system components in a single IMG file. Multi-image files are available for:

- EP10
- Omnii
- Ikon
- Later models of WorkAbout Pro
- Later models of NEO

Download the IMG file from Ingenuity Working

The operating system image files are in the **Firmware/Software and Demos Download** section of Ingenuity Working at:

http://community.pSION.com/downloads/firmwaresoftware__demos/

The release notes are in the **Knowledge Base** at:

<http://community.pSION.com/knowledge/w/knowledgebase/software-release-information.aspx>

Create auto-restore tasks

All configurable parameters are defaulted during an operating system update. You must set up tasks that will restore those parameters that are needed for A.R.C. to resume communication with the device after the operating system update. These tasks are created using the current settings of the device properties. They will be deployed before the operating system upgrade, and then automatically rerun by A.R.C. after the upgrade.

You can view the current settings of the auto-increment properties on the [Device Settings Editor](#) window.

You can view the current device properties settings using one of these methods:

- View the device properties by following the instructions in [Section 4.5 View the Device Properties on page 35](#).
- Run a report listing the device properties by following the instructions in [Section 8.2.2 Group - Device Properties Table on page 127](#). If you export this report to a spreadsheet, you can cut and paste the values into the tasks that you are about to create.

Set up the following A.R.C. user tasks—do not select **Delete the file after deployment** for any of these tasks:

1. If the devices use static IP addresses, create a [Network Settings](#) task to set the IP addresses. For instructions see [Section 6.2 Create a Task on page 67](#).
2. If the devices are configured for a WLAN, create a [WLAN Settings](#) task specifying the current setting for WLAN.
3. If the devices are configured for a WWAN, create a [WWAN Settings](#) task specifying the current setting for WWAN.

Create the operating system task

- Create an [Operating System Update](#) task. Select the file that you downloaded from Ingenuity Working. There is no need to rename it. The A.R.C. Server does this automatically, based on the device model. If you do not want the operating system IMG file to be left on the device after installation, select **Delete the file after deployment**.

Assign tasks to the device group

Assign tasks to the device group following the instructions in [Section 3.10.1 Assign Tasks to a Device Group on page 18](#). Set the tasks up as follows:

1. At the top of the list insert the autorestore tasks:
 - Select **Autorestore** for each one.
 - The last of these tasks should have a warm reset after install configured.
 - For faster deployment, you can edit the earlier tasks to remove any additional warm resets.
2. Below the autorestore tasks add the **Operating System Update** task.

Configure the device group

Persistent storage

This is data storage on the target devices which is preserved through a cold reset or an operating system upgrade. This feature is mainly needed by Windows CE 5.0-based devices.

If persistent storage is defined, during an operating system update, A.R.C. downloads all files to the persistent storage; otherwise, it downloads the files to RAM.

For details see [Section Persistent Storage on page 45](#).

Deploy the tasks

Deploy the tasks. For instructions see [Section 3.7 Deploy Tasks Assigned to a Device Group on page 16](#).

A.R.C. log files

On the target device there are several log files in the My Device\Windows\ARC folder. These are all TXT files.

On the A.R.C. Server you can read the log file by running the [Device - Configuration Log](#) report.

3.20.2 Updating an Operating System Using Several Files

The updates to some Psion operating systems are provided as several files. You can update the entire operating system—by using all the files—or only part of it, using selected files. This type of update is available for:

- 7530 and 7530 G2
- 7535 and 7535 G2
- 8525 and 8525 G2
- 8530 and 8530 G2

- 8515
- Early models of WorkAbout Pro
- Early models of NEO

Download the IMG file from Ingenuity Working

The operating system image files are in the **Firmware/Software and Demos Download** section of Ingenuity Working at:

http://community.psion.com/downloads/firmwaresoftware__demos/

The release notes, and the conventional update instructions, are in the **Knowledge Base** at:

<http://community.psion.com/knowledge/w/knowledgebase/software-release-information.aspx>

Create auto-restore tasks

These tasks are created using the current settings of device properties that will be defaulted during the operating system upgrade. They will be deployed before the operating system upgrade, and then automatically rerun by A.R.C. after the upgrade.

You can view the current settings of the auto-increment properties on the **Device Settings Editor** window.

You can view the current device properties settings using one of these methods:

- View the device properties by following the instructions in **Section 4.5 View the Device Properties on page 35**.
- Run a report listing the device properties by following the instructions in **Section 8.2.2 Group - Device Properties Table on page 127**. If you export this report to a spreadsheet, you can cut and paste the values into the tasks that you are about to create.

Set up the following A.R.C. user tasks—do not select **Delete the file after deployment** for any of these tasks:

1. If the devices use static IP addresses, create a **Network Settings** task to set the IP addresses. For instructions see **Section 6.2 Create a Task on page 67**.
2. If the devices are configured for a WLAN, create a **WLAN Settings** task specifying the current setting for WLAN.
3. If the devices are configured for a WWAN, create a **WWAN Settings** task specifying the current setting for WWAN.

Create the operating system task



Note: The BooSt script, that installs the operating system, must be included in the files downloaded by this task.

1. Create an **Operating System Update** task.
2. Select the files that you downloaded from Ingenuity Working.
If you are updating some of the components, but not the entire operating system, you can download only the files that you need for the update.
3. If you do not want the operating system IMG file to be left on the device after installation, select **Delete the file after deployment**.

Assign tasks to the device group

Assign tasks to the device group following the instructions in **Section 3.10.1 Assign Tasks to a Device Group on page 18**. Set the tasks up as follows:

1. At the top of the list insert the autorestore tasks.
 - Select **Autorestore** for each one.
 - The last of these tasks should have a warm reset after install configured.
 - You can edit the earlier tasks to remove any additional warm resets.
2. Below the autorestore tasks add the **Operating System Update** task.

Configure the device group

Persistent storage

This is data storage on the target devices which is preserved through a cold reset or an operating system upgrade. This feature is mainly needed by Windows CE 5.0-based devices.

If persistent storage is defined, during an operating system update, A.R.C. downloads all files to the persistent storage; otherwise, it downloads the files to RAM.

For details see [Section 5.8.2 Device Settings on page 45](#).

Deploy the tasks

Deploy the tasks. For instructions see [Section 3.7 Deploy Tasks Assigned to a Device Group on page 16](#).

A.R.C. log files

On the target device there are several log files in the My Device\Windows\ARC folder. These are all TXT files.

On the A.R.C. Server you can read the log file by running the [Device - Configuration Log](#) report.

3.21 Create a Total Recall Backup Profile

A Total Recall backup profile contains a backup that can be reloaded only onto the device where the profile was generated.

The [Total Recall Backup](#) task creates a Total Recall backup profile on each target device. This profile is based on the current configuration and settings on the device. This profile can then be reloaded either manually, or automatically, on the device, in the same way as a profile that was manually created on the device.

3.22 Update Devices Using a Total Recall Clone Profile

A Total Recall clone profile contains settings that are safe for loading onto a device other than the one where the profile was generated. Some device specific settings—such as the device name and a static IP address—are included in the clone profile.

You must create the clone profile on a device, and then upload it to the A.R.C. Server. You cannot create a clone profile on the A.R.C. Server.



Note: This process is available on Total Recall 5.0 and later.

On the A.R.C. Server

1. Open [Connection Settings](#).
2. Select **Start Total Recall upload service on startup**.
3. If necessary, set the Total Recall listening port number—in most cases, leave it at the default value.
4. Restart the A.R.C. Server.

On a device

1. Configure the device in the way that you want all the devices to be configured.
2. On the device, create a Total Recall clone profile.
3. Select **Manage Profile** and upload the profile to the A.R.C. Server.
If the device has been discovered by the A.R.C. Server, the network address and the listening port are displayed as the destination for the upload. If the device has not been discovered, or you want to upload the profile to another A.R.C. Server, enter the network address and the port number.
4. Click **Send** to start the upload to the A.R.C. Server.

On the A.R.C. Server

1. When the clone profile has uploaded to the A.R.C. Server, a confirmation window opens on the A.R.C. Server.
2. Enter the path and filename where you want to store this clone profile. It is stored as a PFL file.

3. The A.R.C. Server asks if you want to create a task using this profile. If you agree to this, the **Total Recall Clone Deployment** task opens.
4. Check that you have uploaded a clone profile:
 - a. Expand **Profile Settings**.
 - b. Check that **Is Cloning** is set to **true**.
5. Complete and save the **Total Recall Clone Deployment** task.
6. Assign it to a group that contains the devices that are to receive the clone profile.
7. Create tasks to set any device specific settings on these devices. These tasks must run after the **Total Recall Clone Deployment** task.

Network settings are not cloned, so the devices still function on the network after cloning. Security settings, such as passwords, are not cloned.
8. Deploy tasks to this group.

4

WORKING WITH DEVICES

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4.1 Target Device

A target device is any Psion computer, hand-held or vehicle-mount, that is to have a configuration downloaded from A.R.C.

4.2 Move Devices to Another Group

1. Click **Device Groups** in the left navigation bar.
2. Expand the list in the **My Groups** section to show both groups.
3. In the left navigation bar, click on the group that contains the target devices.
4. Select the **Devices Tab**.
5. Select the devices to be moved by doing one of the following:
 - **Select one device:** Click anywhere on the device row—you must release the mouse button.
 - **Select a contiguous group of devices:** Click on the first device, then hold down the **Shift** key and click on the last device.
 - **Select several devices:** Hold down the **Ctrl** key and click individually on several devices.
6. Drag the selected devices into the left navigation bar until the receiving group is highlighted, then release the mouse button.

4.3 Delete a Device from A.R.C.

This process moves the device to the **Devices to be Deleted** group on the A.R.C. Server. Within a short time the A.R.C. Server sends a message to the device informing it that it has been deleted. On the device, the **A.R.C. Site Id** and the **A.R.C. Group Id** are reset. Its entry is removed from the **Devices to be Deleted** group, and the device can now be rediscovered by A.R.C.

In the case of a device that has scheduled tasks, the next time the device contacts the A.R.C. Server for a scheduled update, it receives a message informing it that it has been deleted.

If a device has **Placeholder** as its serial number, you must use **Empty Deleted Devices** to remove it from the **Devices to be Deleted** group. See [Section 4.4 Empty the Devices to be Deleted Group on page 35](#).

1. Navigate to the group that contains the device.
2. Select the device.
 - a. Click **Device Groups** in the left navigation bar.
 - b. Expand the list in the **My Groups** section to show the group that you want.
 - c. Select the **Devices** tab.
 - d. Click the name of the group containing the device in the left navigation bar.
 - e. On the **Device Group List** click anywhere on the row displaying the selected device.

The device row is highlighted.
3. Do one of the following:
 - Click **Delete Device** on the toolbar.
 - Right-click on the device row, and select **Delete** from the shortcut menu.

The device is moved to the **Devices to be Deleted** group.

4.4 Empty the Devices to be Deleted Group

This process permanently deletes the devices.

1. Select **Device Groups** in the left navigation bar.
2. Right-click **Devices to be Deleted**.
3. Click **Empty Deleted Devices** on the shortcut menu.

4.5 View the Device Properties

The device properties list is a summary of the hardware and software components of a target device. It lists version or part numbers, and status, as well as dynamic values such as battery charge. Most of this list is from the **System Properties** selected on the **Control Panel** of the device. The rest of the items are listed under other **Control Panel** applets.

The values displayed for the device properties are the most recent of:

- The values uploaded to the A.R.C. Server when the device was discovered.
- The values uploaded to the A.R.C. Server on the successful completion of task deployment.

Do the following:

1. Navigate to the group that contains the device.
 - a. Click **Device Groups** in the left navigation bar.
 - b. Expand the list in the **My Groups** section to show the group that you want.
 - c. Select the **Devices Tab**.
2. Select the device.

The device row is highlighted.
3. Do one of the following:
 - Click **Device Properties** on the toolbar.
 - Right-click on the device row, and select **Properties** from the shortcut menu.

Device Properties opens.

5

WORKING WITH DEVICE GROUPS

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5.1 Overview

A device group is a collection of target devices that are configured using the same A.R.C. tasks. Tasks are deployed to all the devices simultaneously or using the same update schedule. The devices have the same A.R.C. configuration settings.

Device groups are organized into a tree structure. Each group can have several child groups. When you select a device group for deployment, tasks are also deployed to its children.

Each device group name and path combination must be unique.

A device can only belong to one device group; however, you can move devices between groups if necessary.

For suggestions on how to group devices into groups see the *A.R.C. Administrators Guide*, available on Ingenuity Working at

community.psion.com/knowledge/w/knowledgebase/active-remote-configuration.aspx.

5.2 Create a Device Group

You can create a device group in the **My Groups** section.

When you create a subgroup, it receives the same settings as its parent group for the **Tasks Tab** and the **Network Tab**, as well as for the **Device Settings** on the **General Tab**.

Method 1

1. Select the group that you want to be the parent of the new group.
 - a. Click **Device Groups** in the left navigation bar.
 - b. Expand the list in the **My Groups** section to show the group that you want.
 - c. Click the name of the selected group in the left navigation bar.
2. Click **New Group** on the toolbar.
New Group opens.
3. Type the name of the new group in **Group Name**.

Method 2

1. Right-click the group that you want to be the parent of the new group.
 - a. Click **Device Groups** in the left navigation bar.
 - b. Expand the list in the **My Groups** section to show the group that you want.
 - c. Right-click the name of the selected group in the left navigation bar.
2. On the shortcut menu, click **New Group**.
New Group opens.
3. Type the name of the new group in **Group Name**.

5.3 Rename a Device Group

You can rename any device group that is in the **My Groups** section.

Method 1

1. Select the group that you want to rename.
 - a. Click **Device Groups** in the left navigation bar.
 - b. Expand the list in the **My Groups** section to show the group that you want.
 - c. Click the name of the selected group in the left navigation bar.
2. Click **Rename Group** on the toolbar.
The group name becomes editable.
3. Type the new name for the group in place of the existing name.

Method 2

1. Right-click the group that you want to rename.
 - a. Click **Device Groups** in the left navigation bar.
 - b. Expand the list in the **My Groups** section to show the group that you want.
 - c. Right-click the name of the selected group in the left navigation bar.

2. On the shortcut menu, click **New Group**.
The group name becomes editable.
3. Type the new name for the group in place of the existing name.

5.4 Copy a Device Group

Method 1

1. Select the group that you want to copy.
 - a. Click **Device Groups** in the left navigation bar.
 - b. Expand the list in the **My Groups** section to show the group that you want.
 - c. Click the name of the selected group in the left navigation bar.
2. Click **Copy Group** on the toolbar.
3. Do one of the following:
 - To create a top level group select **All**.
 - To create a child-group of an existing group, select the parent group.
4. Click **Paste Group** on the toolbar.

Method 2

1. Right-click on the group you want to copy.
 - a. Click **Device Groups** in the left navigation bar.
 - b. Expand the list in the **My Groups** section to show the group that you want.
 - c. Right-click the name of the selected group in the left navigation bar.
2. On the shortcut menu, click **Copy**.
3. Do one of the following:
 - To create a top level group right-click **All**, then on the shortcut menu click **Paste**.
 - To create a child-group of an existing group, right-click the parent group, then on the shortcut menu click **Paste**.

5.5 Delete a Device Group

Method 1

1. Select the group that you want to delete.
 - a. Click **Device Groups** in the left navigation bar.
 - b. Expand the list in the **My Groups** section to show the group that you want.
 - c. Click the name of the selected group in the left navigation bar.
2. Click **Delete Group** on the toolbar.

Method 2

1. Right-click on the group you want to delete.
 - a. Click **Device Groups** in the left navigation bar.
 - b. Expand the list in the **My Groups** section to show the group that you want.
 - c. Right-click the name of the selected group in the left navigation bar.
2. On the shortcut menu, click **Delete**.


5.6 Set up Auto-assign Rules

Auto-assign rules provide a method for automatically assigning newly-discovered devices to device groups. These rules specify values for selected device properties. Each rule is associated with a device group. As each device is discovered by the A.R.C. Server, its properties are compared to the auto-assign rules. If they exactly match those defined in one of the rules, the device is automatically put into the specified device group—not into the **Discovered Devices** group.

Each device is compared to the auto-assign rules starting at the top of the **Rules List** until the first match is found. If no match is found, the device is assigned to the **Discovered Devices** group.

1. In the left navigation pane, select **Device Groups**.
2. In the left navigation pane, select **Discovered Devices**.
3. Select the **Rules** tab.

5.6.1 Create an Auto-assign Rule

1. Click the **New Rule** icon ().
The **Rule Details** table is set to its default values.
2. Enter the name for the rule in **Rule Name**. This name does not have to be unique.
3. Select the name of a device group from the drop-down list in **Target Group**.
Any device meeting the criteria defined in this rule are assigned to this group.
4. Set the Rule Conditions.

Set the rule conditions

Use this table to select target devices by comparing their device properties, uploaded to the A.R.C. Server when the device is discovered, to values, or ranges of values, that you select.

To add a property selection do the following:

1. Click in the **Property** column.
2. On the drop-down list, select a device property.
This is the same list that is displayed when you [view the system properties of a device](#).
3. Click in the **Operator** column.
4. On the drop-down list, select the relationship between the current setting of the device property and the value that you will set in the **Value** column.
5. Click in the **Value** column.
A dialog box opens.
6. Do one of the following:
 - If the property that you selected has discreet values, select a value from the drop-down list.
 - If the property is to be compared to a numeric value or a character string, type the value in the text box.
7. Click **Add**.
8. Continue adding values until you have all the options for this property.
9. Click **OK**.

To add another line to the properties table do the following:

- Press **Return**.
A new line appears at the bottom of the table.


To save the new rule

- When you have completed the rule, click **Save**.

5.6.2 Edit An Auto-assign Rule


1. Select a rule in the **Rules List**.
The details of the rule are displayed on the **Rule Details** table.
2. Make changes to the rule.

5.6.3 Delete an Auto-assign Rule

1. Select a rule in the **Rules List**.
The details of the rule are displayed on the **Rule Details** table.
2. Click the **Delete Rules** icon ().

5.6.4 Order the Auto-assign Rules

As each device is discovered, it is compared to the auto-assign rules starting at the top of the [Rules List](#), until a match is made. If the device does not match any of the rules it is assigned to the **Discovered Devices** group.

1. Select a rule in the [Rules List](#).
The details of the rule are displayed on the [Rule Details](#) table.
2. Click the up-arrow icon () and down-arrow icon () to position the rule in the [Rules List](#).

5.7 Devices Tab

This tab lists all the target devices in the device group that is selected in the left navigation bar.

There are two tables on this tab:

- [Device Group List](#) at the top of the screen lists all the target devices in the device group.
- [Target Device Task List](#) at the bottom of the screen lists all the tasks that are assigned to a target device that is selected in the upper list.

5.7.1 Device Group List

This lists all the target devices in the current device group.

Customizing the device group list

You can set up the device list to suit the way that you work by doing the following:

- [Add a Column](#)
- [Change the Order of the Columns](#)
- [Change Column Widths](#)
- [Remove a Column](#)
- [Fit the Width of All Columns to their Data Size](#)
- [Fit one Column Width to its Data Size](#)
- [Sort a List by a Selected Column](#)
- [Group Rows by the Contents of a Column](#)
- [Group Target Devices by Auto-increment Settings](#)
- [Ungroup Rows](#)
- [Clear Sorting](#)

5.7.1.1 Default Columns Available at Installation:

Serial Number

The serial number of the target device. If this is a virtual device, the serial number is listed as **Placeholder**.

IP Address

The IP address of the target device when it was discovered.

Last Contact

The timestamp for the last message received from the device. This can be:

- The time the device was discovered by A.R.C.
- The time that a task download ended, even if no tasks were downloaded or the download failed.

The last message sent by a device during discovery or download contains the device properties for the device. So, this is in effect the timestamp for the uploaded device properties.

Status

This is the A.R.C. status of the target device.

Status	Description
Idle	The A.R.C. Server and the target device are not currently communicating. This is displayed after the device is successfully discovered by A.R.C. and when the last attempt to deploy tasks to this device completed successfully.
Downloading	This status is displayed from the time that the A.R.C. Server starts downloading tasks to the target device until the tasks begin to be installed on the target device.

Status	Description
Installing	The tasks are being installed on the target device.
Failure	The last attempt to deploy tasks to this target device ended in an error.

Percentage Completed

The length of the line indicates the percentage of the combined download and installation for all tasks that have been completed. When the download is complete the line is about 50% of the width of the column. The rest of the line is added as the installation progresses.

If the line is red, at least one of the tasks failed.

5.7.1.2 Columns That Can Be Added to the Device Group List**A.R.C. properties****A.R.C. Site ID**

This links an A.R.C. Server with a group of devices. The site ID is downloaded to each device as it is discovered. Devices only respond to A.R.C. Server messages that use the same site ID as the server that discovered them. This ID can be displayed on **System Properties** on the **Control Panel** of the device. If you change the site ID in the A.R.C. Server, previously discovered devices will no longer respond.

This is not available for Windows CE 5.0-based devices.

A.R.C. Group ID

A unique number that is assigned to a device group when it is created. The name of the device group can be changed, but this ID cannot be changed. This ID is downloaded to all target devices in the group. It can be displayed on **System Properties** on the **Control Panel** of the device.

This column is not available for Windows CE 5.0-based devices.

Device properties

Any device property that can be viewed on the device, can be selected as a column heading.

A.R.C. has a standard list of potential column headings for each model of device. You can select a column heading for a feature that is not available your devices.

Snapshot of dynamic settings at time of discovery

Column headings are available for several dynamic features, such as remaining space on various storage devices, and remaining battery charge. The values listed in these columns are those that applied at the time the target device was discovered.

5.7.1.3 Activities Using This Tab

- [Create a Device Group](#)
- [Rename a Device Group](#)
- [Copy a Device Group](#)
- [Delete a Device Group](#)
- [Discover Devices on a Network](#)

5.7.2 Target Device Task List

This displays the tasks that are assigned to one target device that is selected in the upper [Device Group List](#). The status of each task is shown.

This is the same as the list on the [Tasks Tab](#) with the addition of an entry for the A.R.C. system tasks.

You can set up the target device task list to suit the way that you work by doing the following:

- [Add a Column](#)
- [Change the Order of the Columns](#)
- [Change Column Widths](#)
- [Remove a Column](#)
- [Fit the Width of All Columns to their Data Size](#)
- [Fit one Column Width to its Data Size](#)
- [Sort a List by a Selected Column](#)

5.7.2.1 Default Columns Available at Installation:

Task

This is the task name that was assigned when the task was created on the [task screen](#), or it was renamed in the [Save As...](#) dialog box.

Version

This is the version number of the task that was assigned when the task was created on the [task screen](#), or it was renamed in the [Save As...](#) dialog box.

Percentage Completed

The length of the line indicates the percentage of the download and installation of the task that has been completed. If the line is red, an error occurred.

Message

The most recent type of status message sent from target device to the A.R.C. Server.

5.7.2.2 Columns that can be Added to the Target Device Task List

Download Status

Success: The A.R.C. Server has received a message from the device stating that the download was successful.

Failure: The A.R.C. Server has received a message from the device stating that the download did not succeed.

Download Time

The most recent time at which the A.R.C. Server received a success or failure download-status message for this task from the device.

Install Status

Success: The A.R.C. Server has received a message from the device stating that the installation of the task was successful.

Failure: The A.R.C. Server has received a message from the device stating that the installation of the task did not succeed.

Install Time

The most recent time at which the A.R.C. Server received a success or failure install-status message for this task from the device.

5.7.2.3 Activities Using This Tab

- [Create a Device Group](#)
- [Rename a Device Group](#)
- [Copy a Device Group](#)
- [Delete a Device Group](#)
- [Discover Devices on a Network](#)

5.8 General Tab



Important: If you change any setting on this tab, you must click Apply to implement the setting.

5.8.1 Group Definitions

ID

A unique number that is assigned to a device group when it is created. The name of the device group can be changed, but this ID cannot be changed. This ID is downloaded to all target devices in the group. It can be displayed on **System Properties** on the **Control Panel** of the device.

Name

The name of the device group. This name is assigned to the device group when it is created or renamed.

Description:

This box contains any text that you want to associate with the device group.

5.8.2 Device Settings

These settings apply to each device in this group.

Persistent Storage

This is data storage on the target devices which is preserved through a cold reset or an operating system upgrade. This feature is mainly needed by Windows CE 5.0-based devices.

If persistent storage is defined, during an **Operating System Update** A.R.C. downloads all files to the persistent storage; otherwise, it downloads the files to RAM.

This selection applies to all devices in the device group.




On all recent Psion operating systems the option **None** is available. When this is selected A.R.C. downloads the operating system to RAM. The following table lists the earliest operating system versions where this option is available:

Device	Operating System	Release Version	Date Code	Languages
NEO	Windows CE 5.0 (Core and Professional)	1.1	B279	All
Ikôn	Windows CE 5.0	4.4	C279	All
Ikôn	Windows Mobile 6.1 Classic	1.0	B039	All
Ikôn	Windows Mobile 6.1 Professional	1.0	B039	All
Workabout Pro G2	Windows CE 5.0	4.0	F249p	All
Workabout Pro G2	Windows Mobile 6.1 Classic	2.0	C259	All
Workabout Pro G2	Windows Mobile 6.1 Professional	2.0	C259	All
7530 G2	Windows CE 5.0	1.28	C139	All
7535 G2	Windows CE 5.0	1.28	C139	All
8525 G2	Windows CE 5.0	1.28	C139	All
8530 G2	Windows CE 5.0	1.28	C139	All

For more information see the *A.R.C. Administrators Guide*.

Notification of A.R.C. activity

These are the options for notifying the device operator that the device is communicating with the A.R.C. Server.

A.R.C. Notification	Action on Target device
Tray Icon	The A.R.C. download icon () is displayed on the taskbar of the target device while the A.R.C. Server is downloading data. During the installation phase, the install icon () is displayed on the taskbar. These icons are displayed alternately during the initial device discovery process. See Section 3.2 Discover Devices on a Network on page 14 .
Splash Screen	<p>The A.R.C. splash screen is displayed on the target device while it is communicating with the A.R.C. Server:</p>  <p>While this splash screen is visible on the device, the status of the A.R.C. download and installation is displayed along the top of the screen.</p>
None	There is no indication on the target device that it is communicating with the A.R.C. Server.

A.R.C. complete message

This text is displayed on a target device as soon as the **Percentage Complete** column on the [Device Group List](#) shows that the download and installation of the tasks is 100% complete and successful.

The user of the target device must click **OK** to remove this message.

This message is transmitted to the target device only if [Show message on device](#) is selected.

Show message on device

When this is selected the [A.R.C. complete message](#) can be displayed. This box must also be selected before text can be entered in the **A.R.C. complete message**.

Update Schedule

You can set up regular deployments of A.R.C. tasks to a device group. The frequency of the updates can be anywhere from minutes to monthly. All the tasks that are assigned to the device group are updated according to this schedule. This update schedule is downloaded to the devices during discovery or as part of an A.R.C. task deployment. The devices request A.R.C. updates from the Server according to this schedule.

This drop-down list specifies the frequency these automatic deployments. After you make a selection from this list, you can specify more details in the box to the right of this list. The device makes one request for a download at the specified time. If the A.R.C. Server is offline, there are no retries.

Deployment Frequency	Description
Never	Devices in this device group are manually updated. They are not updated according to a schedule.
Periodically	Devices in this device group contact the A.R.C. Server to request an update on an update cycle that is less than 24 hours in length.
Daily	Devices in this device group contact the A.R.C. Server daily, at a specified time, to request an update.

Deployment Frequency	Description
Weekly	Devices in this device group contact the A.R.C. Server weekly, at a specified day and time, to request an update.
Monthly	Devices in this device group contact the A.R.C. Server monthly, at a specified day and time, to request an update.



Warning: *You must manually deploy tasks to the device group before this schedule can become active. For instructions on manual deployment see [Section 3.7 Deploy Tasks Assigned to a Device Group on page 16](#).*

Update on boot

When this is selected, the device requests an update from the A.R.C. Server each time the device is reset. There are no retries.

Update on AC power

When this is selected, the device requests an update from the A.R.C. Server each time the device starts to run on external power. There are no retries.

Last Import File

This is the name of the last CSV configuration file that was imported into A.R.C. using the process described in [Section 3.14.3 Use a Spreadsheet to Set Custom Values in Auto-increment Properties on page 23](#). For an overview of the configuration of auto-increment properties see [Section 3.14 Auto-increment Properties on page 22](#).

5.8.3 Activities Using This Tab

- [Update an Operating System](#)
- [Update Devices Using a Total Recall Clone Profile](#)
- [Discover Devices on a Network](#)
- [Configure A.R.C. Network Utilization](#)
- [Schedule The Deployment of Tasks to a Device Group](#)
- [Deploy Tasks Assigned to a Device Group](#)

5.9 Tasks Tab

This tab displays a list of all the tasks that are assigned to the selected device group.



Tasks are downloaded, and subsequently installed on the target devices, in the order that they are listed on this tab. All the tasks are downloaded. After all the tasks have been downloaded, they are installed.

5.9.1 Customize the Tasks List

You can set up the tasks list to suit the way that you work. You can do the following:

- [Change Column Widths](#)
- [Fit the Width of All Columns to their Data Size](#)
- [Fit one Column Width to its Data Size](#)

Change the order of the tasks list

1. Select the tasks to be moved by doing one of the following:
 - **Select one task:** Click anywhere on the task row.
 - **Select a contiguous group of tasks:** Click on the first task, then hold down the **Shift** key and click on the last task.
 - **Select several tasks:** Hold down the **Ctrl** key and click individually on several tasks.
2. Click the up-arrow icon () and down-arrow icon () to move the selected tasks.

5.9.2 Column Headings:



*Note: If you select only one check box in either the **Continue On Error** column, or the **Autorestore** column, you must click elsewhere on this tab to make the **Apply** button available.*

ID

This is the task name that was assigned when the task was created on the [task screen](#), or it was renamed in the [Save As...](#) dialog box.

Each task on this list must have a unique ID. Tasks with the same ID but different versions cannot coexist on this list.

Version

This is the version number of the task that was assigned when the task was created on the [task screen](#), or it was renamed in the [Save As...](#) dialog box.

Continue on Error

When the check box is selected, following tasks are downloaded even when this task fails.

When this check box is not selected, no following tasks are downloaded to the device if:

- The task is not downloaded because the criteria in the **compatibility rules table** for the task were not met.
- An error occurs during the download of this task.
- An error occurs during the installation of this task.

Deployment of tasks to other target devices in the same device group is not affected by a failure on one device.

Autorestore

When this check box is selected, the script for this task is rerun on the target device if a later task causes either a warm reset or a cold reset. The task causing the reset may be in the same set of downloaded tasks, or it may be in a later download.

Autorestore is intended to work with resets that occur during the deployment of A.R.C. tasks, especially following operating system updates. If you want to define what happens when a reset occurs at other times, use Total Recall.

After Install

This is the selection that was made for the **After Install** field when the task was created or edited on the [task screen](#).

5.9.3 Activities Using This Tab

- [Add and Delete the Tasks Assigned to a Device Group](#)
- [Assign Tasks to a Device Group](#)
- [Remove Tasks from a Device Group](#)

5.10 Network Tab

Displays the settings that define the block size and download speed for messages from the A.R.C. Server to the target devices. Select an [A.R.C. network name](#) from the **Network** drop-down list.

If you want to add a network, modify a network, or delete a network click **Configure**. The [Configure Network Utilization](#) dialog box opens. All data displayed on this tab is entered and edited in the [Network Utilization](#).

Network:

Select the name of the network settings that you want this device group to use for downloads. Several sets of network settings are provided as part of A.R.C. You can also create your own named network settings.

The following are provided at installation:

Network Utilization	Description
High	Fast transmission.
Medium	Medium impact on other network traffic.
Low	Minimal impact on other network traffic.

5.10.1 Details

Description

Text describing the network.

Block Size

The size of a block transmitted by the A.R.C. server while downloading tasks, measured in KBytes.

Inter-Block Delay

The time interval between the successful reception of a block by a device and the sending of the next request by the device. Measured in milliseconds.

5.10.2 Adaptive Download

Expected throughput

The rate at which you want to transmit data, measured in KBytes/sec. When adaptive download is enabled, the inter-block delay and the block size are adjusted to attain this rate.

Adjust Threshold

When the actual data transfer rate differs from the value set in **Expected throughput** by more than this amount, the inter-block delay is increased or decreased by the amount in **Adjust Delay**.

Adjust Delay

The incremental change in the inter-block delay, measured in milliseconds.

Maximum Retries

The number of times that the A.R.C. client on a device requests that data be resent after a transmission failure. On each of these retries the block size is halved. When the maximum number of retries is reached, the download stops. After three minutes another attempt is made to transmit the data.

5.10.3 Activities Using This Tab

- [Assign an A.R.C. network to a device group](#)
- [Create an A.R.C. network](#)
- [Modify an A.R.C. network](#)
- [Delete an A.R.C. network](#)

5.11 Rules Tab

This tab is only available when the **Discovered Devices** group is selected. As each device is discovered by the A.R.C. Server, its properties are compared to the auto-assign rules that are defined on this tab. If the properties match those defined in one of the rules, the device is automatically put into the specified device group—not into the **Discovered Devices** group.

There are two tables on this tab:

- [Rules List](#) at the top of the screen lists all the auto-assign rules.
- [Rule Details](#) at the bottom of the screen lists all the conditions that make up the rule that is selected in the upper list.

5.11.1 Rules List

This is list of all the auto-assign rules for all the device groups.

Column headings:

Rule

This is the name that you assigned to the rule when you created it or edited it.

Target Group

This is the device group to which all devices meeting the conditions defined in this rule are assigned.

5.11.2 Rule Details

The lower section of this tab displays the details of one selected auto-assign rule.

Rule Name

This is the name assigned to the rule when you create it or edit it.

Target Group

This is the device group that all devices fulfilling these criteria are assigned to.
Select a group from the drop-down list.

5.11.2.1 Rule Conditions

This is a list of tests that are to be carried out on each discovered device. Each rule contains one or more of these tests.

Column headings:

Property

This is a device property that is selected from a drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

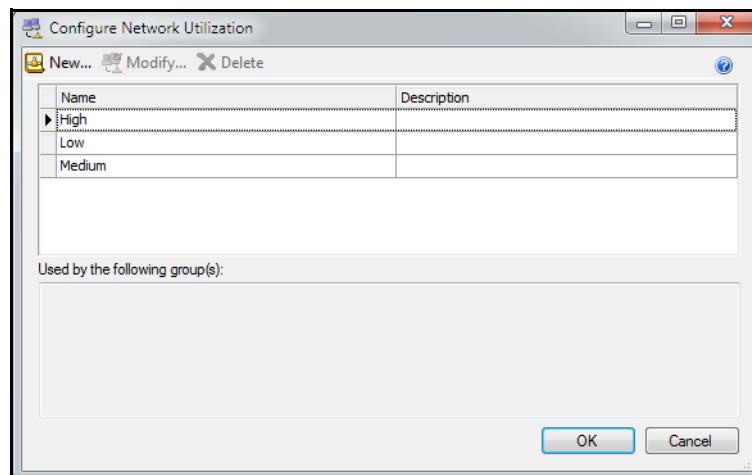
A value that is compared to the current value for the selected device property.

5.11.2.2 Activities Using this Tab

- [Set up Auto-assign Rules](#)
- [Create an Auto-assign Rule](#)
- [Edit An Auto-assign Rule](#)
- [Delete an Auto-assign Rule](#)
- [Order the Auto-assign Rules](#)
- [Automatically Place Discovered Devices in the My Groups Folders](#)
- [Discover Devices on a Network](#)

5.12 Device Groups Windows

5.12.1 Configure Network Utilization



Displays a list of the networks that are defined in the A.R.C. Server. If you select a network, a list of device groups that use this network is displayed. You cannot edit the information in this table.

Add a network definition

1. Click **New**.
The **Network Utilization** dialog box opens.

Modify a network definition

1. Select the Name of the network.
2. Click **Modify**.
The **Network Utilization** dialog box opens.

Delete a network definition

1. Select the Name of the network.
2. Click **Delete**.

Column headings

Network ID

The name of this group of network settings. This is used to select the network to be used by a device group on the **Network** drop-down list.

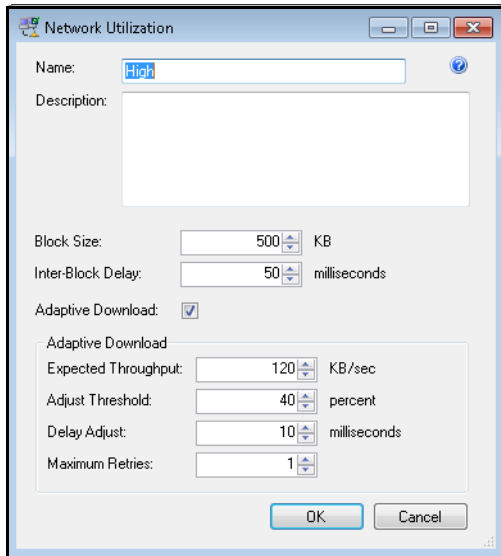
Description

Text describing the network.

5.12.1.1 Activities Using This Window

- [Deploy Tasks Assigned to a Device Group](#)
- [Configure A.R.C. Network Utilization](#)
- [Assign an A.R.C. network to a device group](#)
- [Create an A.R.C. network](#)
- [Modify an A.R.C. network](#)
- [Delete an A.R.C. network](#)

5.12.2 Network Utilization



This is used to create or edit A.R.C. network settings. This is the only place where you can enter this data.

5.12.2.1 Network Settings

Name

The name of this set of network settings. It is assigned in this dialog box when the network is first defined or edited.

Description

Text describing the network.

Block Size

The size of a block transmitted by the A.R.C. server while downloading tasks, measured in KBytes.

Inter-Block Delay

The time interval between the successful reception of a block by a device and the sending of the next request by the device. Measured in milliseconds.

Adaptive Download

When checked, the A.R.C. Server uses a simple adaptive download algorithm to enhance the speed of the download by adjusting the download according to the network conditions.

5.12.2.2 Adaptive Download

Expected Throughput

The rate at which you want to transmit data, measured in KBytes/sec. When adaptive download is enabled, the inter-block delay and the block size are adjusted to attain this rate.

Adjust Threshold

When the actual data transfer rate differs from the value set in **Expected throughput** by more than this amount, the inter-block delay is increased or decreased by the amount in **Adjust Delay**.

Delay Adjust

The incremental change in the inter-block delay, measured in milliseconds.

Maximum Retries

The number of times that the A.R.C. client on a device requests that data be resent after a transmission failure. On each of these retries the block size is halved. When the maximum number of retries is reached, the download stops. After three minutes another attempt is made to transmit the data.

5.12.2.3 Activities Using This Window

- [Deploy Tasks Assigned to a Device Group](#)
- [Configure A.R.C. Network Utilization](#)
- [Assign an A.R.C. network to a device group](#)
- [Create an A.R.C. network](#)
- [Modify an A.R.C. network](#)
- [Delete an A.R.C. network](#)

5.12.3 Connection Settings

In this window you can set up and modify the network communications between the A.R.C. Server and the target devices.

5.12.3.1 Discovery Settings

5.12.3.1.1 Parameters Used for all A.R.C. Communications

These settings are used both by A.R.C. discovery beacons, and by all other communication between the A.R.C. Server and the target devices.



Important: *If you do not set the Site ID, the A.R.C. Server will not send beacons or transmit messages.*

Site ID

This links an A.R.C. Server with a group of devices. The site ID is downloaded to each device as it is discovered. Devices only respond to A.R.C. Server messages that use the same site ID as the server that discovered them. This ID can be displayed on **System Properties** on the **Control Panel** of the device. If you change the site ID in the A.R.C. Server, previously discovered devices will no longer respond.

The **Site ID** is case sensitive. It is displayed in **Control Panel > System Properties > ARC > ARC Site ID**.

The current setting of **Site ID** is used in all outgoing messages from the A.R.C. Server.

Server Interface

This drop-down list displays all the interfaces that A.R.C. detects on the server, and which could be used by target devices to communicate with the A.R.C. Server. Select the interface that you want the devices to use for communication with the A.R.C. Server.

Type	When to use this...
Computer name	When the A.R.C. Server and the devices are on the same local network. It is recommended that you use this setting with Windows Mobile-based devices.
Fully qualified computer name For example XXX-NNN.ad.psion.com	When the A.R.C. Server and the devices are not on the same local network.
IP address	It is recommended that you do not use this with Windows Mobile-based devices. (On Window Mobile-based devices, the Windows Connection Type should be set to Internet .)
ActiveSync	With direct connect using ActiveSync when the A.R.C. Server has no wired, or wireless, connection to a network.

Port

This is the port, on the A.R.C. Server, that is used for A.R.C. network traffic.

Require SSL

Select this if the network administrator requires secure connection authentication. Certificates are required on all target devices.

5.12.3.1.2 Parameters Only Used by Outgoing A.R.C. Messages

Beacon Destination

This is the IP address, or IP addresses, to which outgoing A.R.C. messages are addressed. These messages can be discovery messages or task deployment messages.

Send network broadcasts

1. Select **Network**.
2. The drop-down list displays all the broadcast IP addresses that A.R.C. detects on the current interface. Select an address.

Send messages to one device

1. Select **Network**.
2. Do one of the following:
 - If A.R.C. has already communicated with the device, select the IP address from the drop-down list.
 - If A.R.C. has not communicated with the device, type the IP address of the device in the **Network** box.

Send messages to several devices within a range of IP addresses

1. Select **Address Range**.
2. Enter the IP address of the first device.
3. Enter the IP address of the last device.

Broadcast Frequency

The frequency with which A.R.C. discovery messages are sent by the A.R.C. Server.

5.12.3.2 Upload Service Settings

These parameters define the A.R.C. Server Total Recall listening service.

Start Total Recall upload service on startup

When this is selected, the next time the A.R.C. Server is restarted it listens for Total Recall uploads from target devices.

Port

This is the port that the A.R.C. Server listens on for Total Recall messages from devices. If you need to change this port, you must configure the new port number on the devices as well as on the A.R.C. Server.

5.12.3.3 Activities Using This Window

- [Discover Devices on a Network](#)
- [Set Up A.R.C. Server Connection Settings](#)
- [Discover a Device That Has an Old Site ID](#)
- [Deploy Tasks Assigned to a Device Group](#)
- [Schedule The Deployment of Tasks to a Device Group](#)
- [Update Devices Using a Total Recall Clone Profile](#)

5.12.4 New Group

This dialog box defines the name of a new device group.

Group Name

Enter the name of the device group that you want to create. You can only use characters that are valid in a Windows filename.

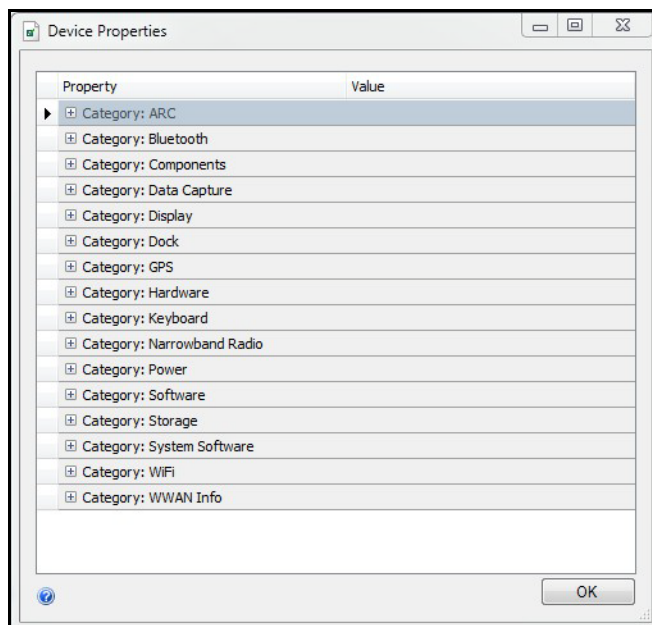
5.12.4.1 Activities Using This Box

- [Create a Device Group](#)

5.12.5 Device Properties

To open this window:

- Select a device on the [Devices Tab](#) then do one of the following:
 - Click **Device Properties** on the toolbar.
 - Right-click on the device row, and select **Properties** from the shortcut menu.



This window displays the device properties for a selected device at the time of the **Last Contact** shown on the [Device Group List](#) on the [Devices Tab](#).

To view the details, expand a property category.

5.12.5.1 Activities Using this Window

- [View the Device Properties](#)

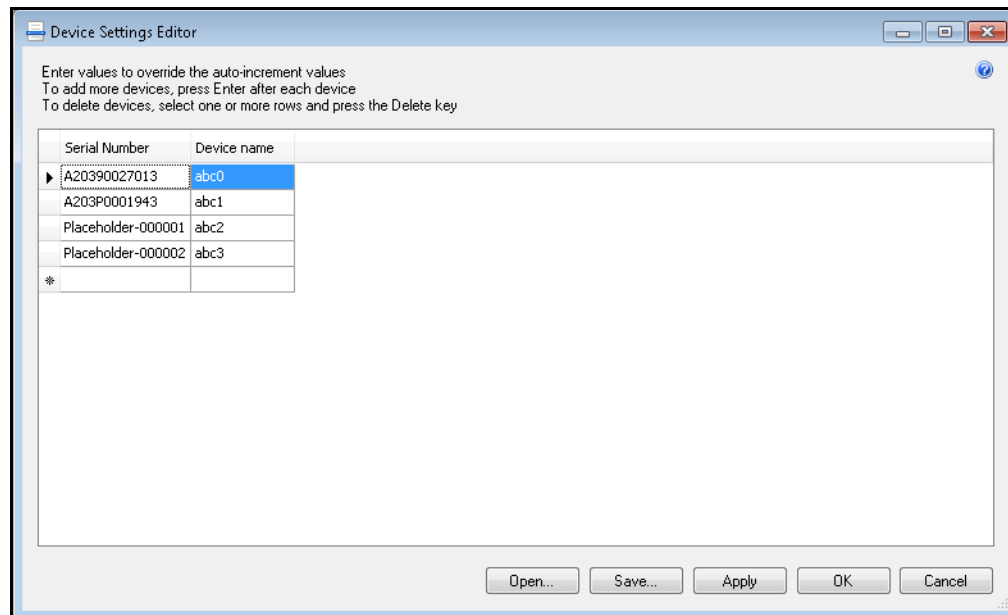
5.12.6 Device Settings Editor

This window is opened as follows:

1. Right-click on a device group.
2. On the shortcut menu select **Custom Device Settings**.

This window displays a table with one row for each device in the current device group. The first column contains the serial numbers of the devices. There is a column for each auto-increment property that is defined for this device group.

Each row displays the current settings for a device. You cannot add or delete rows from the table.



You cannot change the serial numbers.

You can change any other cell on the table. When you click **Apply**, the tasks are updated. The devices will be updated with the new settings when the tasks that define the auto-increment properties are deployed.

The values that you enter must be within the range specified for the auto-increment property when it was created by one of these methods:

- [Auto-increment Strings](#)
- [Auto-increment Numbers](#)
- [Auto-increment IP Addresses](#)

If any value is out-of-range, when you click **Apply**, or **Save**, an error message is displayed. You must correct the problem before you can proceed.

Open

Click this to open the [Import Devices Settings Wizard](#) where you can import new settings from a CSV file. For details see [Section 3.14.3 Use a Spreadsheet to Set Custom Values in Auto-increment Properties on page 23](#).

Save

Click this to save the table as a CSV file. For instructions see [Section 3.14.3 Use a Spreadsheet to Set Custom Values in Auto-increment Properties on page 23](#).

Apply

Click this to store the values shown on the table as the new settings for the auto-increment properties. The editor remains open.

OK

Click this to store the values shown on the table as the new settings for the auto-increment properties. The editor closes.

Cancel

Click this to close the editor without saving changes.

5.12.6.1 Activities Using this Window

- [Use a Spreadsheet to Set Custom Values in Auto-increment Properties](#)
- [Import a CSV configuration file](#)
- [Export auto-increment settings as a CSV file](#)
- [Set Custom Values in Auto-increment Properties](#)
- [Set the auto-increment values](#)

5.12.7 Import Devices Settings Wizard

This wizard specifies the CSV file used to import A.R.C. device configuration settings, and the mapping of the spreadsheet data to the A.R.C. auto-increment properties. It opens when the **Open** button is clicked on the [Device Settings Editor](#).

For instructions on using this and on the export and editing process see [Section 3.14.3 Use a Spreadsheet to Set Custom Values in Auto-increment Properties on page 23](#).

5.12.7.1 Screen 1

This screen defines the imported CSV file.

Filename

The name and path for a CSV file containing A.R.C. device configuration settings.

Text Qualifier

By default, the values in the CSV file are comma separated. If there is a different separator specify it here.

Use first row as column names

When selected, the first row of the imported spreadsheet file, contains the column headings.

5.12.7.2 Screen 2

This screen is used to map the columns on the imported spreadsheet to the names of the A.R.C. auto-increment properties.

Import Devices Settings Wizard
Follow the steps to import device specific settings

Specify the mapping between columns and device properties.

Preview Rows

Serial Number	Device name...
A20390027013	abc0
A203P0001943	abc1
Placeholder-000001	abc2
Placeholder-000002	abc3

Mappings
To delete a mapping, select the mapping and press Ctrl-Delete.

Column	Device Property
SerialNumber	
Device name (no spaces)	

Cancel << Back Next >> Finish

Preview Rows

The **Preview Rows** should resemble the layout of the spreadsheet where you defined the values.

Mappings

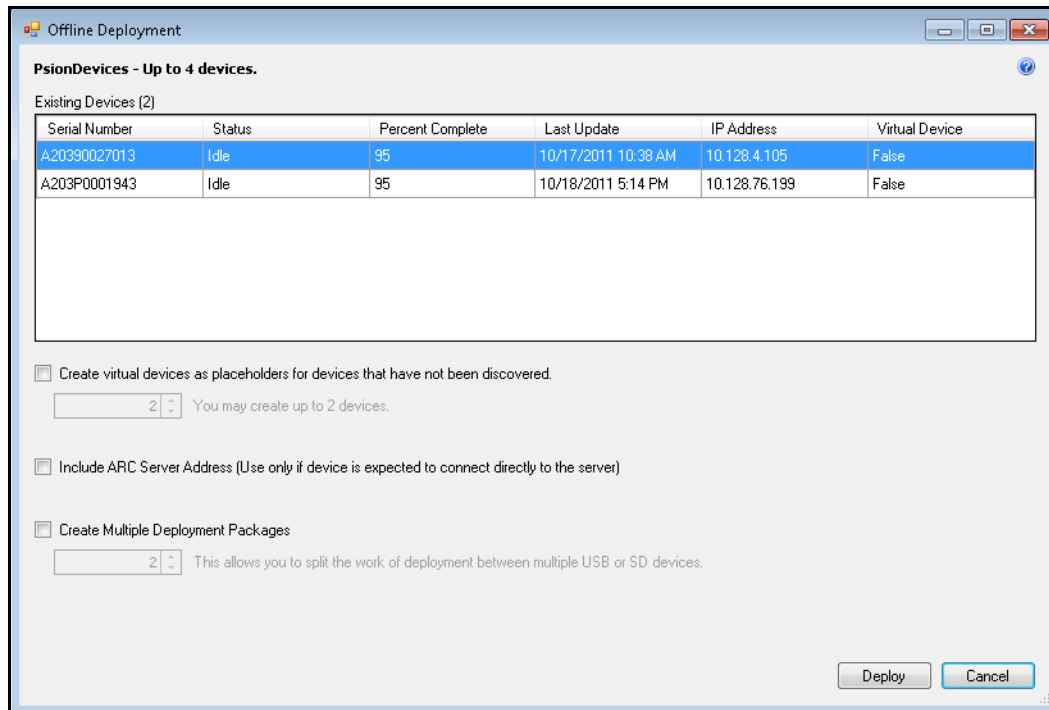
In this section, the spreadsheet columns are mapped to the A.R.C. auto-increment properties.

In the **Mappings** section, click in the **Device Property** column on each row and select the mapping from the drop-down list.

5.12.7.3 Activities Using this Wizard

- [Use a Spreadsheet to Set Custom Values in Auto-increment Properties](#)
- [Import a CSV configuration file](#)

5.12.8 Offline Deployment



This window opens when you do one of the following:

- Click **Offline Deploy Tasks** on the toolbar.
- Right-click the device group; then, select **Offline Deploy Tasks** from the shortcut menu.

It lists all the devices in the current device group.

The heading above the **Device List Table** shows the name of the device group and the maximum number of devices that can be updated during this offline deployment. If there are auto-increment properties in any of the tasks, this number is the number of unique values in the auto-increment property with the fewest defined values.

5.12.8.1 Device List Table

Column headings

Serial Number

The serial number of a target device.

Status

This is the A.R.C. status of the target device.

Status	Description
Idle	The A.R.C. Server and the target device are not currently communicating. This is displayed after the device is successfully discovered by A.R.C. and when the last attempt to deploy tasks to this device completed successfully.
Downloading	This status is displayed from the time that the A.R.C. Server starts downloading tasks to the target device until the tasks begin to be installed on the target device.
Installing	The tasks are being installed on the target device.
Failure	The last attempt to deploy tasks to this target device ended in an error.

Percent Complete

This value is the percentage of the download and installation of all tasks that has been completed for the target device.

Last Update

The timestamp for the last message received from the device. This can be:

- The time the device was discovered by A.R.C.
- The time that a task download status message was received.

IP Address

The IP address of the target device.

Virtual Device

When this is selected, the device has not been discovered by A.R.C., so the serial number is not available. The device can be configured by A.R.C. After the device has been configured, its serial number, as well as other system information, is written on the USB memory stick. When A.R.C. Server is updated from the USB memory stick, the serial number of this device is captured.

5.12.8.2 Other Details

Create virtual devices as placeholders for devices that have not been discovered

When this is selected, you can enter the number of devices to be updated, which have not been discovered by A.R.C. If you have created any tasks with auto-increment properties which have a range defined, the number of placeholders that you can create is limited by the auto-increment ranges.

Include A.R.C. Server Address

Select this if you want the download to include the address of the A.R.C. Server. This is the address that is currently selected in **Server Interface** on [Connection Settings](#). This enables the devices to send messages to the A.R.C. Server requesting further updates.

Create Multiple Deployment Packages

When this is selected, A.R.C. splits the downloaded data between several USB memory sticks. Enter the number of memory sticks you want to use. This is most useful if you have a lot of placeholder devices.

5.12.8.3 Activities Using this Window

- [Update Devices Offline](#)

5.12.9 Offline Data Retrieval

This window opens when **Offline Data Retrieval** is clicked on the toolbar. After each device is updated offline, its properties and A.R.C. status are written back onto the USB memory stick.

You can update the A.R.C. Server from the USB memory stick, or you can copy the files to your desktop computer and then update the A.R.C. Server later.



Deployment folder

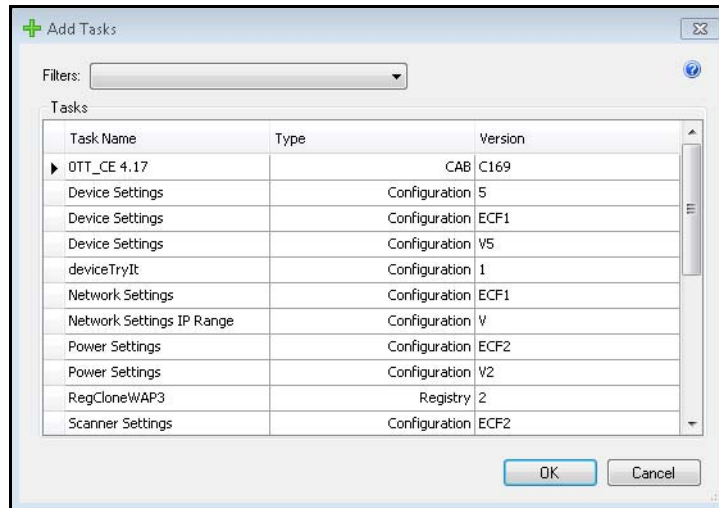
This is the folder containing the files that are to be used to update the A.R.C. Server.

5.12.9.1 Activities Using this Window

- [Update Devices Offline](#)

5.12.10 Add Tasks

This box opens when you click **Add** on the [Tasks Tab](#).



This box is used to select A.R.C. tasks from **My Tasks** to be added to a selected device group. If you do not select a task filter, all the tasks defined in **My Tasks** are listed.

Filters

A task filter is a collection of A.R.C. tasks. Each task filter has a unique name. A task filter is a convenient way of assigning several tasks to a device group. A task filter can be assigned to several device groups. One A.R.C. task can be included in several filters.

If you do not want to select from a long list showing all the tasks defined in A.R.C. you can select a task filter. Select a filter from the drop-down list. The **Tasks** table only lists the tasks included in the selected filter.

5.12.10.1 Tasks Table

Selecting tasks

Select one task: Click anywhere on the task row.

Select a contiguous group of tasks: Click on the first task, then hold down the **Shift** key and click on the last task.

Select several tasks: Hold down the **Ctrl** key and click individually on several tasks.

Column headings

Task Name

The name of a task. This name is listed in the **Name** column on the [Tasks Tab](#). This is defined on the [task screen](#) when the task is created or edited. The combination of this name together with the version number must be unique.

Type

The A.R.C. template type from which this task is generated.

Version

This is the version number of the task that was assigned when the task was created on the [task screen](#), or it was renamed in the [Save As...](#) dialog box.

5.12.10.2 Activities Using this Window

- [Add and Delete the Tasks Assigned to a Device Group](#)
- [Assign Tasks to a Device Group](#)

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6.1 A.R.C. Tasks

An A.R.C. task creates an install script that is downloaded from the A.R.C. Server to the target devices, where it is executed. There are two types of A.R.C. tasks:

- User tasks—these configure the target device.
- System tasks—these update the A.R.C. client on the target device.

Each task has a task name and a version number. The combination of name and version number must be unique.

6.2 Create a Task

1. Open the **Tasks Pane**.
 - Select **All Tasks** in the left navigation bar.
2. Click **New Task** on the toolbar.
3. Select the type of task that you want to create from the drop-down menu.
The corresponding **task screen** opens.
4. Define the task on the **task screen**.
5. When you have finished, click **Save**.
A **Confirmation** box opens.
6. Do one of the following:
 - Click **No** if you do not want to assign the task the a device group.
 - Click **Yes** to assign the task to a device group; then in the **Group Browser** box select the device group.

6.3 Edit a Task

1. Open the **Tasks Pane**.
 - a. Select **My Tasks** in the left navigation bar.
 - b. Select **All Tasks**.
2. Do one of the following:
 - Right-click the selected task: Then click **Edit Task**.
 - Left-click the selected task: Then on the toolbar click **Edit Task**.
 - Double-click the selected task.
 The corresponding **task screen** opens.
3. Make changes to the data on the task screen.
4. When you have finished your changes, click **Save**.
5. If this task is assigned to any device groups, the **Enter New Version** dialog box opens. Enter a new version number for the task, and then select the device groups that the new version applies to.
Device groups that are not selected still have the original version of the task assigned to them.

6.4 Copy a Task

1. Open the **Tasks Pane**.
 - a. Select **Tasks** in the left navigation bar.
 - b. Select **My Tasks**.
2. Do one of the following:
 - Right-click the selected task: Then click **Edit Task**.
 - Left-click the selected task: Then on the toolbar click **Edit Task**.
 - Double-click the selected task.
 The corresponding **task screen** opens.
3. Make changes to the data on the task screen.
4. When you have finished your changes, click **Save As**.
The **Save As...** dialog box opens.
5. Enter a new name and/or version number for the task.

6.5 Delete a Task

1. Open the [Tasks Pane](#).
 - a. Select **My Tasks** in the left navigation bar.
 - b. Select **All Tasks**.
2. Do one of the following:
 - Right-click the selected task: Then click **Delete**.
 - Left-click the selected task: Then on the toolbar click **Delete Task**.

6.6 Select a Task Version Number

When you enter a task version number in A.R.C. there are few restrictions on what you can enter. The version number can be any combination of letters, numbers, and punctuation characters (excluding characters that are not allowed in a Windows filename). The version does not have to increment. You can enter a task version number in one of these places:

- A [task screen](#).
- [Save As...](#) dialog box.

Target devices and task version numbers

When a task is deployed to a target device, the device stores the task version number. Only the last version number is retained for each task. When A.R.C. notifies a device that it has a task ready for download, the device compares the version number of the task to its stored version number. If the version number of the deployed task is different from the stored version number, the device accepts the download. If the two version numbers are the same, the device refuses the download, and the A.R.C. Server does not download the task.

In order that the downloaded task is accepted by the device, the version numbers have to be different. They do not have to increment or be part of a series.

Defining task version numbers on the A.R.C. Server

When you create task version numbers on the A.R.C. Server, during task creation or task editing, you must ensure that when you deploy the tasks, these version numbers are acceptable to the A.R.C. client on the target devices. The A.R.C. Server does not keep a record of the version numbers that have been used for a task.

6.7 Add Properties to a Compatibility Rules Table

When you define a task, it may not apply to all the devices in a device group. Each [task screen](#) has a task properties table. Use this table to define the features of those devices to which the task applies. The stored values for the device properties of each device are compared to values, or ranges of values, that you select.

The values stored for the device properties are the most recent of:

- The values uploaded to the A.R.C. Server when the device was discovered.
- The values uploaded to the A.R.C. Server on the successful completion of task deployment.

To add a property selection do the following:

1. Ensure that you have a task screen open, and you have checked **Advanced**.
2. Click in the **Property** column.
3. On the drop-down list, select a device property.
This is the same list that is displayed when you [view the system properties of a device](#).
4. Click in the **Operator** column.
5. On the drop-down list, select the relationship between the current setting of the device property and the value that you will set in the **Value** column.
6. Click in the **Value** column.
A dialog box opens.

7. Do one of the following:
 - If the property that you selected has discreet values, select a value from the drop-down list.
 - If the property is to be compared to a numeric value or a character string, type the value in the text box.
8. Click **Add**.
9. Continue adding values until you have all the options for this property.
10. Click **OK**.

To add another line to the compatibility rules table do the following:

- Press **Return**.
A new line appears at the bottom of the table.

6.8 List Groups that Use a Task

1. Open the **Tasks Pane**.
 - a. Select **Tasks** in the left navigation bar.
 - b. Select **My Tasks**.
2. Do one of the following:
 - Right-click the selected task: Then click **Show Usage...**
 - Left-click the selected task: Then on the toolbar click **Show Usage**.

6.9 Create a Task Filter

Create a task filter as follows:

1. Open the **Tasks Pane**.
 - Select **Tasks** in the left navigation bar.
2. Click **New Filter** on the toolbar.
The **Filter Editor** opens.
3. Enter a name for the new filter in **Filter Name**.
4. Select the tasks that you want to include in the task filter.

6.10 Edit a Task Filter

Edit a task filter as follows:

1. Open the **Tasks Pane**.
 - Select **Tasks** in the left navigation bar.
2. In the left navigation pane, click on the task filter that you want to edit.
3. Click **Edit Filter** on the toolbar.
The **Filter Editor** opens.
4. Add tasks to, and delete tasks from, the task filter.

6.11 Delete a Task Filter

Delete a task filter as follows:

1. Open the **Tasks Pane**.
 - Select **Tasks** in the left navigation bar.
2. In the left navigation pane, click on the task filter that you want to delete.
3. Click **Delete Filter** on the toolbar.

6.12 List the Tasks in a Task Filter

1. Open the **Tasks Pane**.
 - Select **Tasks** in the left navigation bar.
2. In the left navigation pane, click on the task filter that you want to view.

6.13 Replace an A.R.C. System Task File

Very rarely, Psion support may provide you with a replacement for one of the system tasks. To install it do the following:

1. Open the [A.R.C. System Tasks](#).
 - a. Select **Tasks** in the left navigation bar.
 - b. Select **A.R.C. System Tasks**.
2. Do one of the following:
 - Right-click the selected task: Then click **Upgrade...**
 - Left-click the selected task: Then on the toolbar click **Upgrade Task**.

The [Upgrade Task Wizard](#) opens.

3. Locate the replacement system task file, that was given to you.
4. Click **Next**.
5. Enter the version number that you were given for this system task.
6. Click **Finish**.
7. Check that the new version of the task is in the [A.R.C. System Tasks](#), and that the old version has been removed.

6.14 Tasks Pane

This pane displays a list of tasks. Depending on what is selected in the left navigation panel, it displays one of the following:

- [My Tasks](#)
- [A.R.C. System Tasks](#)
- [My Task Filters](#)

You can set up the task list to suit the way that you work by doing the following:

- [Change the Order of the Columns](#)
- [Fit the Width of All Columns to their Data Size](#)
- [Change Column Widths](#)
- [Fit one Column Width to its Data Size](#)
- [Remove a Column](#)
- [Sort a List by a Selected Column](#)

6.14.1 Column Headings

Name

The name of a task. This is defined on the [task screen](#) when the task is created or edited. The combination of this name together with the version number must be unique.

File Name

This is the name of the file containing the script that implements this task. This file name is generated by A.R.C.

Target Directory

This is the name of a folder on each target device into which A.R.C. downloads the task file.

Type

This is the type of template that the task was created from.

Version

This is the version number of the task that was assigned when the task was created on the [task screen](#), or it was renamed in the [Save As...](#) dialog box.

6.14.2 My Tasks

This is a list of all the A.R.C. user tasks which are available for configuring the target devices.

6.14.3 A.R.C. System Tasks

This is a list of all the A.R.C. system tasks that configure the A.R.C. client on the target devices.

6.14.4 My Task Filters

This is a list of the A.R.C. user tasks in the selected task filter.

6.15 Task Screens

The following task screens are available:

- CAB Deployment
- Device Settings
- Generic File Deployment
- GPS Settings
- Narrowband Settings
- Network Settings
- Power Settings
- Scanner Settings
- TekTerm Auto-increment Settings
- TekTerm Port Settings
- TekTerm Session Settings
- TekTerm System Settings
- Total Recall Backup
- Total Recall Clone Deployment
- WLAN Settings
- WWAN Settings
- A.R.C. Client Settings
- Operating System Update
- BooSt Script Deployment
- File and Folder Activities
- Registry Cloning
- Registry Key Activities
- Script Deployment
- ActiveX Deployment

6.16 CAB Deployment

This task downloads a CAB file from the A.R.C. Server to the target devices, where it is installed and then executed.

6.16.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Select the file to be deployed on your device(s)

This is the name of the file on the A.R.C. Server that is to be downloaded to the target devices.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

6.16.2 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.16.3 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

6.17 Device Settings

Configure device properties.

6.17.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the **Tasks Pane**. The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

Template Version:

This drop-down list is visible if you have more than one version of this template on the A.R.C. Server. If the version of the template is not listed, download it from [A.R.C. Downloads on Ingenuity Working](#). See the *A.R.C. Administrators Guide* on Ingenuity Working at community.pSION.com/knowledge/w/knowledgebase/active-remote-configuration.aspx for instructions on installing a new template.

6.17.2 Task details fields

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid. See [Section B.1 User Manuals for Psion Computers](#).

Device Properties

1. Expand **Device Properties**.
2. Expand the list further if necessary.
3. To change a value, click the value in the right hand column: Either type a new value, or select from the drop-down list.
4. To change the device names for the target devices:
 - a. Click in the right-hand column opposite **Change Device Name**.
 - b. Select **Yes** on the drop-down list.
 - c. Expand **Change Device Name**.
 - d. Click in the right-hand column opposite **Device Name**.
 - e. Click the ... icon.
 - f. In the **Auto-increment Format String Editor** enter the range of names that you want to assign to the target devices.
5. To change the user interface language:
 - a. Click in the right-hand column opposite **Change UI Language**.
 - b. Select **Yes** on the drop-down list.
 - c. Expand **Change UI Language**.
 - d. Click in the right-hand column opposite **Change UI Language**.
 - e. Select a language on the drop-down list.
6. To change the Internet Explorer home page:
 - a. Click in the right-hand column opposite **Change Internet Explorer Home Page**.
 - b. Select **Yes** on the drop-down list.

- c. Expand **Change Internet Explorer Home Page**.
 - d. In the right-hand column opposite **Change Internet Explorer Home Page**, type the URL for the home page.
7. To change the supervisor password:
 - a. Expand **Shell Security**.
 - b. Click in the right-hand column opposite **Change Password**.
 - c. Select **Yes** on the drop-down list.
 - d. Expand **Change Password**.
 - e. In the right-hand column opposite **Old Password**, type the current supervisor password.
 - f. In the right-hand column opposite **New Password**, type the new supervisor password.
8. To put a Windows CE-based device into user mode:
 - a. Expand **Shell Security**.
 - b. Click in the right-hand column opposite **Set User Security Level**.
 - c. Select **Enable** on the drop-down list.

6.17.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.17.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

Restore Script Button

Click this to reset the install script for this task to correspond to the settings on this screen. This button is not available until the task has been saved for the first time.

6.18 Generic File Deployment

Downloads a file to target devices. This can be any type of file. It is stored on the target devices. It is not executed after download.



Important: Do not select Delete the file after deployment.

6.18.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Select the file to be deployed on your device(s)

This is the name of the file on the A.R.C. Server that is to be downloaded to the target devices.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

6.18.2 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.18.3 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings**Property**

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

6.19 GPS Settings

Configures GPS properties on the target devices.

6.19.1 Task definition fields**Enter a name for the task**

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

Template Version:

This drop-down list is visible if you have more than one version of this template on the A.R.C. Server. If the version of the template is not listed, download it from [A.R.C. Downloads on Ingenuity Working](#). See the *A.R.C. Administrators Guide* on Ingenuity Working at community.psion.com/knowledge/w/knowledgebase/active-remote-configuration.aspx for instructions on installing a new template.

6.19.2 Task details fields

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid. See [Section B.1 User Manuals for Psion Computers](#).

GPS Settings

1. Expand **GPS Settings**.
2. Expand the list further if necessary.
3. To change a value, click the value in the right hand column: Either type a new value, or select from the drop-down list.

6.19.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.19.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

Restore Script Button

Click this to reset the install script for this task to correspond to the settings on this screen. This button is not available until the task has been saved for the first time.

6.20 Narrowband Settings

This task configures the narrowband properties on the target devices.

6.20.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

Template Version:

This drop-down list is visible if you have more than one version of this template on the A.R.C. Server. If the version of the template is not listed, download it from [A.R.C. Downloads on Ingenuity Working](#). See the *A.R.C. Administrators Guide* on Ingenuity Working at community.psim.com/knowledge/w/knowledgebase/active-remote-configuration.aspx for instructions on installing a new template.

6.20.2 Task details fields

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid. See [Section B.1 User Manuals for Psion Computers](#).

Narrowband Settings

1. Expand **Narrowband Settings**.
2. Expand the list further if necessary.
3. To change a value, click the value in the right hand column: Either type a new value, or select from the drop-down list.
4. To configure manual channel switching for the target devices:
 - a. Click in the right-hand column opposite **Channel Selection Manual Select**.
 - b. Select **Yes** on the drop-down list.
 - c. Expand **Channel Selection Manual Select**.
 - d. Expand the list for a channel.
 - e. Type the channel numbers on the appropriate rows of the table.

6.20.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.20.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

Restore Script Button

Click this to reset the install script for this task to correspond to the settings on this screen. This button is not available until the task has been saved for the first time.

6.21 Network Settings

This defines the IP settings, the name servers, and enables enrolment certificates for the target devices on their operating network.

6.21.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

Template Version:

This drop-down list is visible if you have more than one version of this template on the A.R.C. Server. If the version of the template is not listed, download it from [A.R.C. Downloads on Ingenuity Working](#). See the *A.R.C. Administrators Guide* on Ingenuity Working at community.pSION.com/knowledge/w/knowledgebase/active-remote-configuration.aspx for instructions on installing a new template.

6.21.2 Task details fields

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid. See [Section B.1 User Manuals for Psion Computers](#).

IP Settings

1. Click the expand icon.
2. Click the **Wireless** expand icon.
3. Click the **Address Type** expand icon.
4. Expand the list further if necessary.

5. To change a value, click the value in the right hand column: Either type a new value, or select from the drop-down list.
6. To set a range of IP addresses for the target devices:
 - a. Click in the right-hand column opposite **IP Address**.
 - b. Click the ... icon at the right-hand end of the line.
 - c. In the **Auto-increment Format String Editor** dialog box enter the range of IP addresses that you want to assign to the target devices.

Certificate

1. Click the expand icon.
2. To change the value, click on the value in the right hand column, and select from the drop-down list.

6.21.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.21.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

Restore Script Button

Click this to reset the install script for this task to correspond to the settings on this screen. This button is not available until the task has been saved for the first time.

6.22 Power Settings

Configure power using options in the device to suit your environment and expected battery usage.

6.22.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

Template Version:

This drop-down list is visible if you have more than one version of this template on the A.R.C. Server. If the version of the template is not listed, download it from [A.R.C. Downloads on Ingenuity Working](#). See the *A.R.C. Administrators Guide* on Ingenuity Working at community.pSION.com/knowledge/w/knowledgebase/active-remote-configuration.aspx for instructions on installing a new template.

6.22.2 Task details fields

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid. See [Section B.1 User Manuals for Psion Computers](#).

Backlight settings

1. Expand **Backlight**.
2. Expand the list further if necessary.
3. To change a value, click the value in the right hand column: Either type a new value, or select from the drop-down list.

Devices settings

1. Expand **Devices**.
2. Expand the list further if necessary.
3. To change a value, click the value in the right hand column: Either type a new value, or select from the drop-down list.

Battery and external power timeout settings

1. Expand **Suspend**.
2. Expand the list further if necessary.
3. To change a value, click the value in the right hand column: Either type a new value, or select from the drop-down list.

6.22.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.22.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

Restore Script Button

Click this to reset the install script for this task to correspond to the settings on this screen. This button is not available until the task has been saved for the first time.

6.23 Scanner Settings

On this screen, you can enable and configure popular barcode symbologies and frequently-customized scanner settings.

6.23.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

Template Version:

This drop-down list is visible if you have more than one version of this template on the A.R.C. Server. If the version of the template is not listed, download it from [A.R.C. Downloads on Ingenuity Working](#). See the *A.R.C. Administrators Guide* on Ingenuity Working at community.pSION.com/knowledge/w/knowledgebase/active-remote-configuration.aspx for instructions on installing a new template.

6.23.2 Task details fields

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid. See [Section B.1 User Manuals for Psion Computers](#).

Barcodes

1. Click the expand icon to see a list of barcode symbologies.
2. Click the expand icon beside the symbology that you want to configure.
3. To change a value, click the value in the right hand column: Either type a new value, or select from the drop-down list.

Options

1. Click the expand icon.
2. Click the **Display** expand icon to see a list of scanner options.
3. To change a value, click on the value in the right hand column: Either type a new value or select from the drop-down list.

6.23.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.23.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

Restore Script Button

Click this to reset the install script for this task to correspond to the settings on this screen. This button is not available until the task has been saved for the first time.

6.24 TekTerm Auto-increment Settings

Sets auto-increment values that are needed by all other TekTerm tasks.

This task should not be used in combination with a **TekTerm Session Settings** task.

This task should be used to only auto-increment OTT values. For example, if you are cloning a terminal. For all other purposes when configuring OTT, use the **TekTerm Session Settings** task.

The main use for this task is to set TekTerm device-specific parameters after the registry has been cloned.

6.24.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

Template Version:

This drop-down list is visible if you have more than one version of this template on the A.R.C. Server. If the version of the template is not listed, download it from [A.R.C. Downloads on Ingenuity Working](#). See the *A.R.C. Administrators Guide* on Ingenuity Working at community.psion.com/knowledge/w/knowledgebase/active-remote-configuration.aspx for instructions on installing a new template.

6.24.2 Task details fields

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid. See [Section B.1 User Manuals for Psion Computers](#).

For instructions on using TekTerm see the [TekTerm Software User Manual](#).

Session Settings

1. Click in the right hand column opposite the session that you want to configure.
2. Select the session type on the drop-down list.
3. Expand the session in the left hand column.
4. For TESS settings:
 - a. Click in the right-hand column opposite **Terminal Number**.
 - b. Click the ... icon.

- c. In the **Auto-increment Numeric Editor** dialog box enter the terminal number range.
 - d. Click in the right-hand column opposite **5250 Virtual Device Name**.
 - e. Click the ... icon.
 - f. In the **Auto-increment Format String Editor** dialog box enter the terminal name range.
5. For ANSI settings:
- a. Click in the right-hand column opposite **Terminal Number**.
 - b. Click the ... icon.
 - c. In the **Auto-increment Numeric Editor** dialog box enter the terminal number range.
 - d. Click in the right-hand column opposite **ANSI Auto-Answer**.
 - e. Click the ... icon.
 - f. In the **Auto-increment Format String Editor** dialog box enter the range.

6.24.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.24.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

Restore Script Button

Click this to reset the install script for this task to correspond to the settings on this screen. This button is not available until the task has been saved for the first time.

6.25 TekTerm Port Settings

Configures the settings for a TekTerm port. This template is not part of the base A.R.C. installation. If you need this template, you must download it from Ingenuity Working.

6.25.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

Template Version:

This drop-down list is visible if you have more than one version of this template on the A.R.C. Server. If the version of the template is not listed, download it from [A.R.C. Downloads on Ingenuity Working](#). See the *A.R.C. Administrators Guide* on Ingenuity Working at community.psion.com/knowledge/w/knowledgebase/active-remote-configuration.aspx for instructions on installing a new template.

6.25.2 Task details fields

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid. See [Section B.1 User Manuals for Psion Computers](#).

For instructions on using TekTerm see the [TekTerm Software User Manual](#).

To change a value, click the value in the right hand column: Either type a new value, or select from the drop-down list.

6.25.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.25.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

Restore Script Button

Click this to reset the install script for this task to correspond to the settings on this screen. This button is not available until the task has been saved for the first time.

6.26 TekTerm Session Settings

Configures the settings for a TekTerm session. This template is not part of the base A.R.C. installation. If you need this template, you must download it from Ingenuity Working.

6.26.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

Template Version:

This drop-down list is visible if you have more than one version of this template on the A.R.C. Server. If the version of the template is not listed, download it from [A.R.C. Downloads on Ingenuity Working](#). See the *A.R.C. Administrators Guide* on Ingenuity Working at community.psion.com/knowledge/w/knowledgebase/active-remote-configuration.aspx for instructions on installing a new template.

6.26.2 Task details fields

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid. See [Section B.1 User Manuals for Psion Computers](#).

For instructions on using TekTerm see the [TekTerm Software User Manual](#).

To change a value:

- Expand the list further if necessary.
- To change a value, click the value in the right hand column: Either type a new value, or select from the drop-down list.

6.26.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.26.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings**Property**

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

Restore Script Button

Click this to reset the install script for this task to correspond to the settings on this screen. This button is not available until the task has been saved for the first time.

6.27 TekTerm System Settings

Configures the system settings for TekTerm. These parameters are on the TekTerm **System** tab. This template is not part of the base A.R.C. installation. If you need this template, you must download it from Ingenuity Working.

6.27.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the **Tasks Pane**. The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

Template Version:

This drop-down list is visible if you have more than one version of this template on the A.R.C. Server. If the version of the template is not listed, download it from **A.R.C. Downloads on Ingenuity Working**. See the *A.R.C. Administrators Guide* on Ingenuity Working at community.psion.com/knowledge/w/knowledgebase/active-remote-configuration.aspx for instructions on installing a new template.

6.27.2 Task details fields

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid. See **Section B.1 User Manuals for Psion Computers**.

For instructions on using TekTerm see the **TekTerm Software User Manual**.

6.27.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see **Section 6.6 Select a Task Version Number on page 68**.

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.

After Install Option	Action on the Target Devices
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.27.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings**Property**

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

Restore Script Button

Click this to reset the install script for this task to correspond to the settings on this screen. This button is not available until the task has been saved for the first time.

6.28 Total Recall Backup

This task creates a Total Recall backup profile on each target device. This profile is based on the current configuration and settings on the device.

Total Recall is a Psion utility developed to maintain applications and settings during a cold boot, and clone settings to other devices. This utility is based on a backup and restore concept.

6.28.1 Task definition fields**Enter a name for the task**

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

Template Version:

This drop-down list is visible if you have more than one version of this template on the A.R.C. Server. If the version of the template is not listed, download it from [A.R.C. Downloads on Ingenuity Working](#). See the *A.R.C. Administrators Guide* on Ingenuity Working at community.psion.com/knowledge/w/knowledgebase/active-remote-configuration.aspx for instructions on installing a new template.

6.28.2 Total Recall settings

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid.

Section B.1 User Manuals for Psion Computers

1. Select the **Destination** from the drop-down list.
2. Select the **Type** from the drop-down list.
3. Type the **Profile Name**.

6.28.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.28.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

Restore Script Button

Click this to reset the install script for this task to correspond to the settings on this screen. This button is not available until the task has been saved for the first time.

6.29 Total Recall Clone Deployment

Downloads a Total Recall clone profile to the target devices. The clone profile must have been uploaded to the A.R.C. Server from a device. Some device specific settings—such as the device name and the static IP address—are not included in the clone profile. After running this task, you may need to run other tasks to configure the target devices to work correctly on your system.

Total Recall is a Psion utility developed to maintain applications and settings during a cold boot, and clone settings to other devices. This utility is based on a backup and restore concept.

6.29.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Select the file to be deployed on your device(s)

This is the name of the file on the A.R.C. Server that is to be downloaded to the target devices.

6.29.2 Total Recall Profile Information

The contents of the selected Total Recall file is displayed here.

Check that this is a clone profile

It is possible to upload any Total Recall profile to the A.R.C. Server, and then download it to the devices. However, if you try to download a backup profile, the task fails during installation.

1. Expand **Profile Settings**.
2. Check that **Is Cloning** is set to **true**.

6.29.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.29.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

6.29.5 Activities Using this task

[Update Devices Using a Total Recall Clone Profile](#)

6.30 WLAN Settings

Defines a WLAN connection for the target devices.

6.30.1 Task definition fields**Enter a name for the task**

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

Template Version:

This drop-down list is visible if you have more than one version of this template on the A.R.C. Server. If the version of the template is not listed, download it from [A.R.C. Downloads on Ingenuity Working](#). See the *A.R.C. Administrators Guide* on Ingenuity Working at community.psion.com/knowledge/w/knowledgebase/active-remote-configuration.aspx for instructions on installing a new template.

6.30.2 WLAN settings

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid.

[Section B.1 User Manuals for Psion Computers](#)

1. Click in the right hand column opposite **Action**.
2. Select the type of WLAN configuration from the drop-down list.
3. Expand **Action**.
4. To change a value, click the value in the right hand column: Either type a new value, or select from the drop-down list.
5. To select a range of usernames, click the ... icon in the right hand column.
The [Auto-increment Format String Editor](#) dialog box opens.
6. To select a range of Passwords, click the ... icon in the right hand column.
The [Auto-increment Format String Editor](#) dialog box opens.

6.30.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.30.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

Restore Script Button

Click this to reset the install script for this task to correspond to the settings on this screen. This button is not available until the task has been saved for the first time.

6.31 WWAN Settings

Defines a WWAN connection for the target devices.

6.31.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the **Tasks Pane**. The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

Template Version:

This drop-down list is visible if you have more than one version of this template on the A.R.C. Server. If the version of the template is not listed, download it from [A.R.C. Downloads on Ingenuity Working](#). See the *A.R.C. Administrators Guide* on Ingenuity Working at community.pSION.com/knowledge/w/knowledgebase/active-remote-configuration.aspx for instructions on installing a new template.

6.31.2 WWAN settings

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid.

[Section B.1 User Manuals for Psion Computers](#)

1. Expand **WWAN Settings**.
2. Expand **Dial-up Connection Parameters**.
To change a value, click the value in the right hand column: Either type a new value, or select from the drop-down list.
3. Expand **Packet Data Connection Parameters**.
To change a value, click the value in the right hand column: Either type a new value, or select from the drop-down list.
4. Expand **Frequency Bands**.
To change a value, click the value in the right hand column: Either type a new value, or select from the drop-down list.

6.31.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most

appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.31.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

Restore Script Button

Click this to reset the install script for this task to correspond to the settings on this screen. This button is not available until the task has been saved for the first time.

6.32 A.R.C. Client Settings

Deletes the A.R.C. Server settings from the target devices.

6.32.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

6.32.2 A.R.C. client settings

Warning: *Some of these settings can prevent the devices from being discovered by A.R.C.*

A device with the beacon port closed can be rediscovered by A.R.C. through an ActiveSync connection, or by defaulting the configuration of the terminal.

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid.

[Section B.1 User Manuals for Psion Computers](#)

- To change a value, click the value in the right hand column: Either type a new value, or select from the drop-down list.

Disable Beacon Listening

When selected the A.R.C. listening port is closed. The device cannot respond the beacons from the A.R.C. Server. The device cannot be discovered.

Clear Schedule

When selected the update schedule is deleted on the device. The device will no longer request updates from the A.R.C. Server. If you want to restart scheduled updates, you must download a new schedule from the Server.

Clear Site ID

When selected the Site ID is deleted. The device can be discovered by an A.R.C. Server using a different Site ID.

Clear Group ID

When selected the device group ID is deleted on the device.

Clear Server URL

When selected the address of the A.R.C. Server is deleted on the device.

6.32.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: *When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).*

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most

appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.32.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

6.33 Operating System Update

Updates the operating system on the device.



Warning: *This task is usually combined with other tasks to ensure that the devices are operational after the operating system update. See [Section 3.20 Update an Operating System on page 27](#).*

6.33.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

6.33.2 Operating system files

Select the files that are to be downloaded to the device.

For multi-image files, there is no need to rename these files. If **Autorename OS image files** is selected, A.R.C. names the files correctly.

6.33.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Autorename OS image files

When selected the files for download are renamed by the A.R.C. Server to the filenames required by the device.

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.33.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

6.34 BooSt Script Deployment

Deploys and runs a configuration BooSt script on the device. For example, setting the screen blanking flag on a vehicle-mount device.



Important: *Do not use this task for downloading the BooSt script used during an operating system upgrade. For more information see [Section 3.20.2 Updating an Operating System Using Several Files on page 28](#).*



Warning: *When deploying these scripts remotely, it is important to ensure that the script will launch the OS when it has completed. Otherwise, your device will remain in BooSt.*

6.34.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Select the file to be deployed on your device(s)

This is the name of the file on the A.R.C. Server that is to be downloaded to the target devices.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

6.34.2 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.34.3 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

6.35 File and Folder Activities

Defines an action, such as copy, move or delete, to be performed on a file or folder. You can also run an application or a batch file.

6.35.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the **Tasks Pane**. The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

Template Version:

This drop-down list is visible if you have more than one version of this template on the A.R.C. Server. If the version of the template is not listed, download it from **A.R.C. Downloads on Ingenuity Working**. See the *A.R.C. Administrators Guide* on Ingenuity Working at community.psion.com/knowledge/w/knowledgebase/active-remote-configuration.aspx for instructions on installing a new template.

6.35.2 Specify a file or folder activity



Important: When you specify a pathname, you must use double backslashes as separators. For example:

`\\Flash disk\\Startup\\PTX.ARC.AutoRestore.Ink`

1. Click in the right hand column opposite **Action**.
2. Select a file or folder action from the drop-down list.
3. Expand **Action**.
4. Enter the required information in the right hand column.
5. If you are running an application or a batch file, you have to provide more information for the **Wait Until Finished** parameter.

6.35.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see **Section 6.6 Select a Task Version Number on page 68**.

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.35.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings**Property**

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

Restore Script Button

Click this to reset the install script for this task to correspond to the settings on this screen. This button is not available until the task has been saved for the first time.

6.36 Registry Cloning

Copies registry keys from a Psion device to the target devices, or downloads a file containing registry settings from the A.R.C. Server.

You must use an ActiveSync connection to clone the registry from a device to the A.R.C. Server.

6.36.1 Task definition fields**Enter a name for the task**

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Select the file to be deployed on your device(s)

This is the name of the file on the A.R.C. Server that is to be downloaded to the target devices.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

6.36.2 Registry fields

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid.

[Section B.1 User Manuals for Psion Computers](#)

Select registry file

When this is selected, a file containing registry data is downloaded from the A.R.C. Server to the target devices. Select the file for download. For instructions on uploading the data to the A.R.C. Server see [Section 3.19 Clone the Registry on page 26](#).

Clone from device

When this is selected, the registry settings are transferred from a Psion device, that is connected through ActiveSync to the A.R.C. Server, to the target devices. The registry data is uploaded from the device to the A.R.C. Server. When the task is deployed, the registry data is downloaded from the A.R.C. Server to the target devices. For instructions on connecting the Psion device to the A.R.C. Server see [Section 3.19 Clone the Registry on page 26](#).

Select registry keys



Note: While the device is uploading the registry data to the A.R.C. Server, you cannot cancel the operation.

Select the check boxes that correspond to the registry keys that you want to set on the target devices.

6.36.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.

After Install Option	Action on the Target Devices
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.36.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings**Property**

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

6.37 Registry Key Activities

Creates registry keys, and sets values in registry keys.

6.37.1 Task definition fields**Enter a name for the task**

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

6.37.2 Task details fields

Warning: *Exercise caution when changing registry settings.*

Note: Check the user manual for the Psion terminal to ensure that the values that you set here are valid. See [Section B.1 User Manuals for Psion Computers](#).

Registry settings

1. Click in the right hand column opposite **Action**.

Action	Description
Create key	Creates the path for the key, but does not create the key.
Delete key	Deletes the path for the key, and the key and its associated value.
Create value	<ul style="list-style-type: none"> • If the path exists, creates the key and its associated value • If the path does not exist, creates the path, and the key and its associated value.
Delete value	Deletes the key and its associated value.

2. Select a registry key action from the drop-down list.
3. Expand **Action**.
4. Enter the required information in the right hand column.

6.37.3 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: *When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).*

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	<p>A warm reset is added to the end of the install script.</p> <p>On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.</p>
Task Initiated Warm Reset	<p>While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution.</p> <p>Warning: When this option is set by default by a Psion-created task, you must not deselect it.</p>
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.37.4 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

Restore Script Button

Click this to reset the install script for this task to correspond to the settings on this screen. This button is not available until the task has been saved for the first time.

6.38 Script Deployment

This task downloads a JavaScript, or VBScript, file to the target devices. The script file is executed on the target device as soon as it is downloaded.

Usually scripts are used to accomplish actions not supported by the tasks that are supplied as part of A.R.C.

6.38.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the [Tasks Pane](#). The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Select the file to be deployed on your device(s)

This is the name of the file on the A.R.C. Server that is to be downloaded to the target devices.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

Delete the file after deployment

When selected, everything downloaded to the target device by A.R.C. is deleted from each target device after the task has run to completion.

6.38.2 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.38.3 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

6.39 ActiveX Deployment

This task downloads and installs an ActiveX control on the target devices. It then registers the control.



Important: Do not select Delete the file after deployment.

6.39.1 Task definition fields

Enter a name for the task

This name is listed in the **Name** column on the **Tasks Pane**. The combination of this name together with the version number must be unique. This name must consist of characters that are valid in a Windows filename.

Select the file to be deployed on your device(s)

This is the name of the file on the A.R.C. Server that is to be downloaded to the target devices.

Enter the target folder on the device

This is the name of the destination folder on each target device into which A.R.C. downloads the task file.

6.39.2 Advanced task fields

If the **Advanced** check box is selected, you can view or edit the following:

Version

The version number for this task. Several tasks can have the same name, but they must all have different version numbers. This version number must consist of characters that are valid in a Windows filename. You cannot edit the version number here.



Important: When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

After Install

This is the action to be taken on the target device, after the task has been downloaded to the device. The selected option is included in the install script for the task. In most cases the default value is the most appropriate option for the task. If several tasks in a sequence require a warm reset, you may want to only have warm reset selected on the last task that needs it.

After Install Option	Action on the Target Devices
None	No action.
A.R.C. Initiated Warm Reset	A warm reset is added to the end of the install script. On Windows Mobile-based devices, files and data stored in the RAM drive partition are not preserved during a warm reset.
Task Initiated Warm Reset	While the task is executing, the task initiates a warm reset. For example, you must select this option if you download a CAB file that does a warm reset during execution. Warning: When this option is set by default by a Psion-created task, you must not deselect it.
Bootloader	Boot to BooSt after task installation. This should only be selected when performing an operating system update.

Description

This box contains information that you want to attach to this task. It is not downloaded as part of the task.

6.39.3 Compatibility rules table

If this task does not apply to all the devices in the group, use this table to select the devices that this task applies to. You can set several selection criteria.

Check the user manual for the Psion terminal to ensure that the values that you set here are valid. For a list of manuals see [Section B.1 User Manuals for Psion Computers](#).

For instructions on entering data into this table see [Section 6.7 Add Properties to a Compatibility Rules Table on page 68](#).



Note: This table is ignored during offline deployment.

Column headings

Property

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.

6.40 A.R.C. Task Windows

6.40.1 Upgrade Task Wizard

This wizard replaces the file containing an A.R.C. system task. You must only use this with guidance from Psion support personnel.

Psion provides you with a replacement task file. They also tell you what the new version number is for the task. Proceed as follows:

6.40.1.1 Screen 1

File Name

Navigate to the file that Psion provided.

6.40.1.2 Screen 2

Version

Enter the version number for the new task, that Psion provided.

6.40.1.3 Activities using this Wizard

- [Replace an A.R.C. System Task File](#)

6.40.2 Save As...

This dialog box opens when you click the **Save As** button after editing a task. This creates a new task.

Applies to both device tasks and A.R.C. system tasks.

Task Name

Enter the name of the new task. This name must consist of characters that are valid in a Windows filename.

Version

Enter the name of the version number for this new task. This name must consist of characters that are valid in a Windows filename.



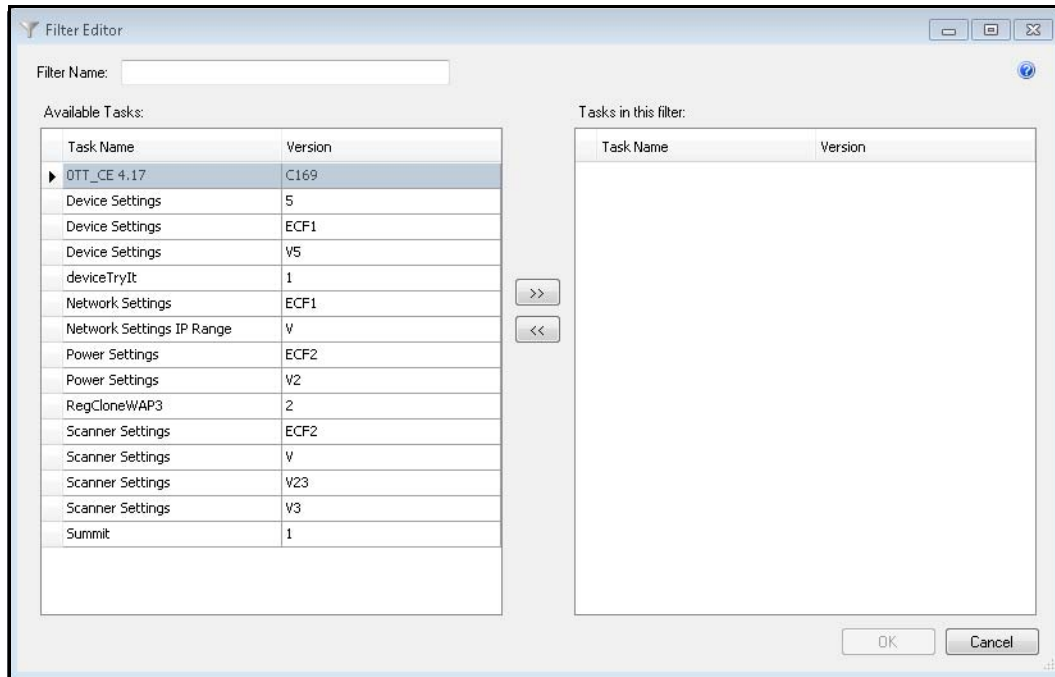
Important: *When you select a task version number and then assign the task to a device group, ensure that you do not deploy the same task name and version number as the previous deployment. For more information see [Section 6.6 Select a Task Version Number on page 68](#).*

6.40.2.1 Activities Using This Box

- [Edit a Task](#)
- [Copy a Task](#)

6.40.3 Filter Editor

This is used to add A.R.C. tasks to, and subtract A.R.C. tasks from, a task filter.



6.40.3.1 Fields: Definition and Uses:

Filter Name:

This is the name that the task filter will be saved under when you click **OK**. If you are editing an existing filter, the new name overwrites the previous name.

Add a task to the filter

1. Select a task in the left-hand column.
2. Click the >> icon.

Remove a task from the filter

1. Select a task in the right-hand column.
2. Click the << icon.

6.40.3.2 Activities Using This Editor

- [Create a Task Filter](#)
- [Edit a Task Filter](#)

6.40.4 Auto-increment Format String Editor

This editor enables the entering and editing of values to be assigned to auto-increment properties. These values consist of a character string concatenated with an incremented numerical value. For more information see [Section 3.14 Auto-increment Properties on page 22](#).

You can specify a range of values that are assigned by A.R.C. starting with the lowest number and increasing by one for each succeeding device.

Example 1

To define a range of values from XYZ01 to XYZ08 enter the following:

Format String: XYZ{0:00}

Start Value: 1

End Value: 8

Example 2

To define a range of values from XYZ1 to XYZ8 enter the following:

Format String: XYZ{0:0}

Start Value: 1

End Value: 8

Example 3

To define a range of values from A05BCD to A678BCD enter the following:

Format String: A{0:00}BCD

Start Value: 5

End Value: 678

Example 4

To define a range of values from A005BCD to A678BCD enter the following:

Format String: A{0:000}BCD

Start Value: 5

End Value: 678

6.40.5 Auto-increment Numeric Editor

This editor enables the entering and editing of numeric values to be assigned to auto-increment properties. For more information see [Section 3.14 Auto-increment Properties on page 22](#).

You can specify a range of values that are assigned by A.R.C. starting with the lowest number and increasing by one for each succeeding device.

6.40.6 Auto-increment IP Editor

This editor enables the entering and editing of static IP addresses to be assigned to auto-increment properties. For more information see [Section 3.14 Auto-increment Properties on page 22](#).

You can specify a contiguous range of values that are assigned by A.R.C. starting with the lowest address and increasing by one for each succeeding device until the end value is reached.

Start Value

The first IP address to be assigned.

End Value

The last IP address to be assigned.

6.40.7 Enter New Version

When you edit a task that is assigned to one or more device groups, you must change the version number of the task. This dialog box opens when you save an edited task. For more information see [Section 6.6 Select a Task Version Number on page 68](#).

Version

Enter the new version number. This must consist of characters that are valid in a Windows filename.

Dependent Groups List

Select the device groups that are to use the new version of the task.

Unselected device groups use the version that is already assigned to them.

6.40.8 A.R.C. Templates Warning

This window opens when you select a task on the **Tasks Pane** that uses a template that is not available on the A.R.C. Server. This is most likely to occur when you are working with an imported database.

7

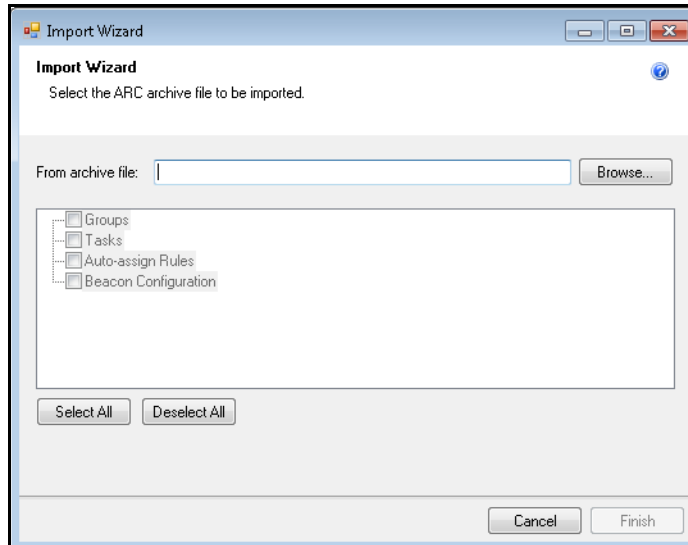
A.R.C. FEATURES

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7.1 Import Wizard

You can import an entire A.R.C. database, or parts of it, from a file. When you import data, it is added to the data already in the database.

If you want to delete the database contents before importing see [Section 3.17 Delete All A.R.C. Data on page 25](#).



From archive file

Use the **Browse** button to navigate to the ZIP file containing the A.R.C. data.

Select items for import

After you have selected an A.R.C. archive file, the contents of the file are displayed. Do one of the following:

- Click **Select All** to import everything in the archive file.
- Select the items that you want to import.

7.1.1 Activities Using this Window

- [Import an A.R.C. Database](#)

7.2 Information Window

During the import of an A.R.C. archived database, this window appears each time the import tries to overwrite anything that already exists in the current A.R.C. configuration. You have the option, each time, to overwrite the setting, or keep the existing setting.

7.2.1 Activities Using this Window

- [Import an A.R.C. Database](#)

7.3 A.R.C. Import Warning

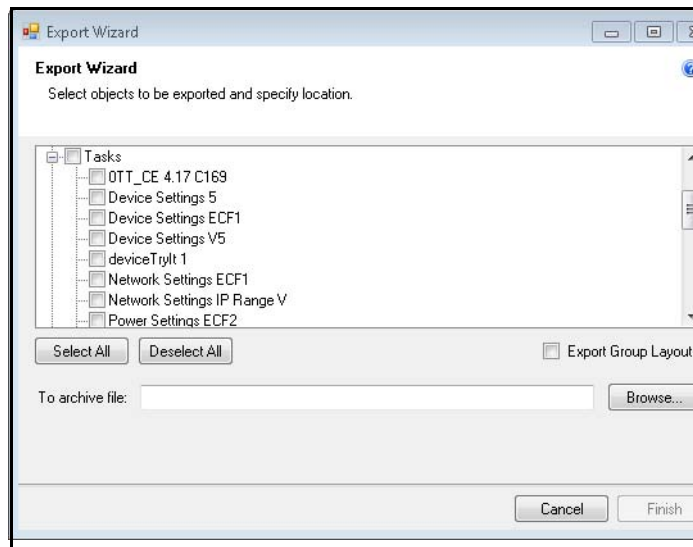
This window opens during database import, if a task is imported that uses a task template that is not already loaded onto the A.R.C. Server.

7.4 Export Wizard

You can export the entire A.R.C. database, or you can export parts of it, to a file.



Note: It is recommended that you always export the entire database.



Export Group Layout

Select this if you want the tree structure of the exported groups to be preserved during the export.

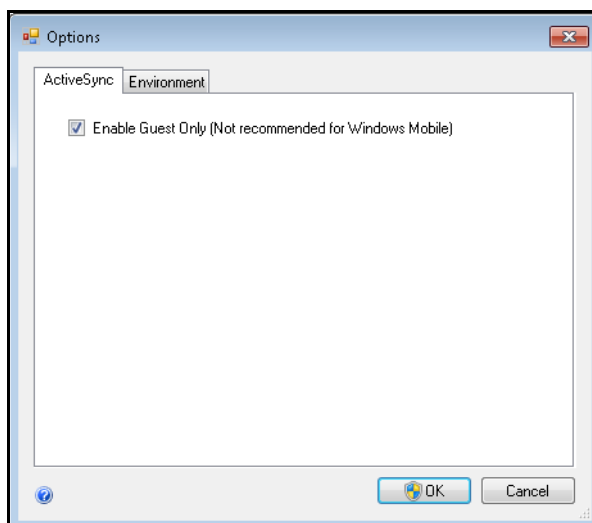
To archive file

Use the **Browse** button to navigate to the location where you want to store the A.R.C. archive file.

7.4.1 Activities Using this Window

- [Export the A.R.C. Database](#)

7.5 Options Window



7.5.1 ActiveSync tab

Enable Guest Only

When selected, the A.R.C. Server connects to devices on ActiveSync, or WMDC, using a guest connection. Set this for Windows CE-based devices—do not set this for Windows Mobile-based devices.

7.5.2 Environment tab

Default Settings: Restore Default Settings

Clicking this button deletes all your A.R.C. data, and returns an empty database.



Warning: *This process deletes all your target devices, device groups, tasks, and rules.*

On Discovery: Delete previous settings when clean device is discovered

The A.R.C. Server keeps a history of all the tasks deployed to each device and the outcome of each task. You can view this history on the [Device - Configuration Log](#) report.

When selected, the history of any device, that has recently undergone a clean start, can be deleted when the device is rediscovered by the A.R.C. Server.

Devices View: Group devices with modified auto assigned settings together

This feature groups together target devices that have auto-increment settings, and those that have only settings that were specifically assigned. This affects settings such as IP address.

7.5.3 Activities That Use This Window

- [Delete All A.R.C. Data](#)
- [Group Target Devices by Auto-increment Settings](#)
- [Delete Device History After a Clean Start](#)

8

REPORTS

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8.1 Device Reports

8.1.1 Device - Configuration Log

This report is a log file from the device. It is copied to the A.R.C. Server after each transaction between the device and the A.R.C. Server. Each time tasks are deployed to the device, information is added to the end of this log.

This report does not show activity for a device that was configured offline.

8.1.2 Device - Update Status

For a selected device, this report displays the status, on this device, of each task assigned to the device group. Both installed and pending tasks are listed. This report shows the current status of the device; there is no historical information.

8.1.3 Device - Filter by Properties

This report lists all the devices that have the selected property settings.

When this report is selected, the [Device Search](#) window opens. Select the property settings. All discovered devices are searched. Matching devices are listed with their device groups.

8.2 Group Reports

8.2.1 Group - Update Status

For a selected device group, this report lists:

- All the tasks assigned to the group.
- All the devices in the group and their overall update status.

Click on a device to open its [Device - Update Status](#) report.

If a group has subgroups, this information is displayed for all the subgroups too.

8.2.2 Group - Device Properties Table

This report displays the properties of all the devices in the selected device group.

Each row displays the property values for one device.

Each column represents a selected property, which is one of:

- A device property.
- An auto-increment property.
- An A.R.C. property.

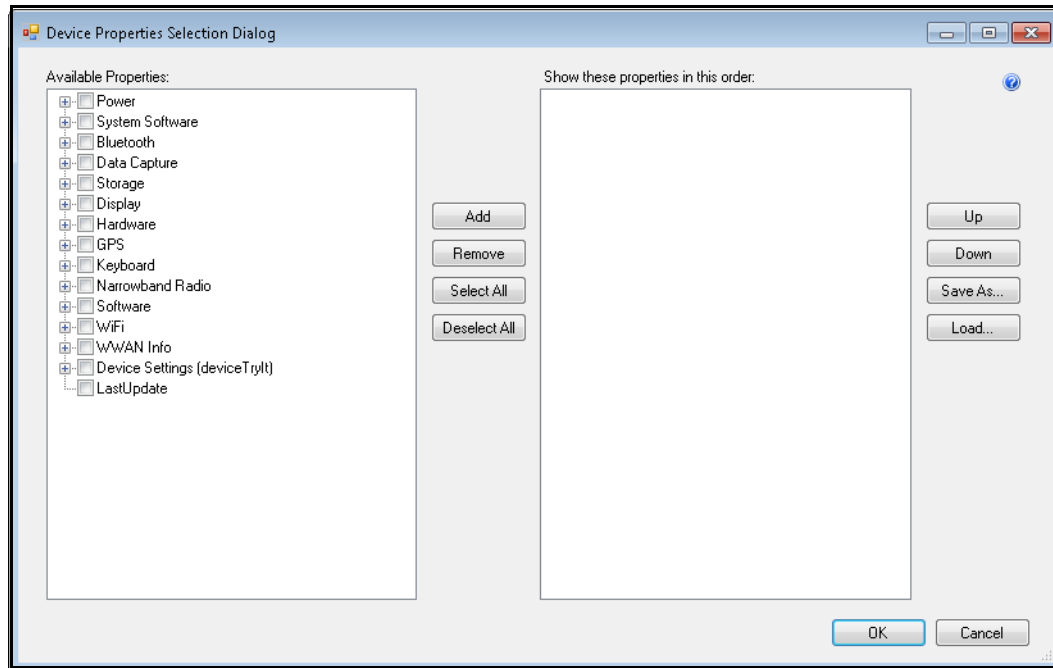
This report only displays information on the selected group. It does not display information on any subgroups.

When you select this report the [Device Properties Selection](#) window opens. Select the properties that you want to appear on the report.

8.3 Reports Windows

8.3.1 Device Properties Selection

This window is opened by the [Group - Device Properties Table](#) report.



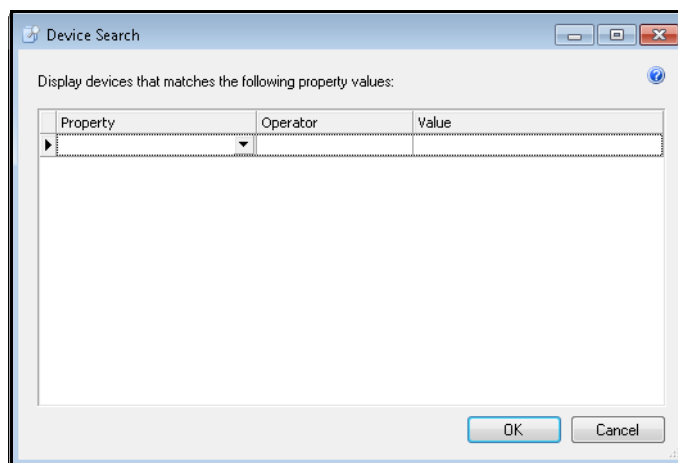
All the available properties are listed in the left-hand column. Select those that you want to appear on the [Group - Device Properties Table](#).

Order the columns on the report using the **Up** and **Down** buttons.

Save the selection to a file using the **Save As** button. Restore a previously saved selection using the **Load** button.

8.3.2 Device Search

This window is opened by the [Device - Filter by Properties](#) report.



Define the properties and their settings that are used to select devices for the [Device - Filter by Properties](#) report.

Column headings:***Property***

This is a device property. Select from the drop-down list.

Operator

This is the selection criteria. Select from the drop-down list.

Value

A value that is compared to the stored value for the selected device property.



APPENDIX: GLOSSARY

A.1	A.R.C. Terminology	A-3
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A.1 A.R.C. Terminology

A A.R.C.

Active Remote Configuration: A Psion application used to provision and configure Psion devices over wired, and wireless, networks.

A.R.C. client

A.R.C. uses a client-server architecture. The A.R.C. client on the device is responsible for responding to A.R.C. server communications to download new tasks, or report success or failure of the installation of these tasks.

A.R.C. group ID

A unique number that is assigned to a device group when it is created. The name of the device group can be changed, but this ID cannot be changed. This ID is downloaded to all target devices in the group. It can be displayed on **System Properties** on the **Control Panel** of the device.

A.R.C. network utilization option

This is a set of data transmission parameters that control the download speed to selected device groups.

A.R.C. site ID

This links an A.R.C. Server with a group of devices. The site ID is downloaded to each device as it is discovered. Devices only respond to A.R.C. Server messages that use the same site ID as the server that discovered them. This ID can be displayed on **System Properties** on the **Control Panel** of the device. If you change the site ID in the A.R.C. Server, previously discovered devices will no longer respond.

A.R.C. system task

An A.R.C. system task configures the A.R.C. client on the target devices. An A.R.C. task creates an install script that is downloaded from the A.R.C. server to the target devices, where it is executed.

Each task has a **Task Name** and a version number. The combination of name and version number must be unique.

A.R.C. task

An A.R.C. task creates an install script that is downloaded from the A.R.C. server to the target devices, where it is executed. There are two types of A.R.C. tasks:

- User tasks—configure the target device
- System tasks—update the A.R.C. client on the target device

Each task has a **Task Name** and a version number. The combination of name and version number must be unique.

A.R.C. user task

An A.R.C. user task configures the target devices. An A.R.C. task creates an install script that is downloaded from the A.R.C. server to the target devices, where it is executed.

Each task has a **Task Name** and a version number. The combination of name and version number must be unique.

Auto-assign rules

Auto-assign rules provide a method for automatically assigning newly-discovered devices to device groups. These rules specify values for selected device properties. Each rule is associated with a device group. As each device is discovered by the A.R.C. Server, its properties are compared to the auto-assign rules. If they exactly match those defined in one of the rules, the device is automatically put into the specified device group—not into the **Discovered Devices** group.

Auto-increment properties

Auto-increment device properties—such as device ID, and static IP address—take values that are unique for each device. These values can be automatically incremented and assigned to each device by A.R.C., or you can assign a specific value to each device.

C ***Clean start***

A clean start resets the Psion computer to its factory default settings. This operation can only be performed manually.

Cloned devices

Cloned devices have identical operating systems, software, and configuration settings (with the exception of Terminal Unique Parameters).

Compatibility rules

If a task does not apply to all the devices in the group, the compatibility rules are used to select the devices that this task applies to. You can set several selection criteria.

D ***Device***

A target device is any Psion computer, hand-held or vehicle-mount, that is to have a configuration downloaded from A.R.C.

Device group

A device group is a collection of target devices that are configured using the same A.R.C. tasks. Tasks are deployed to all the devices simultaneously or using the same update schedule. The devices have the same A.R.C. configuration settings.

Device property

A device property is a value that is uploaded to A.R.C. from a target device. Device properties are used to select similar devices for update and to distinguish devices from each other. It can be a static value, such as a version number, a keyboard type, or a scanner type. It can be a dynamic value such as battery charge.

Device properties list

The device properties list is a summary of the hardware and software components of a target device. It lists version or part numbers, and status, as well as dynamic values such as battery charge. Most of this list is from the **System Properties** selected on the **Control Panel** of the device. The rest of the items are listed under other **Control Panel** applets.

Device task

A device task is an A.R.C. task that configures any Psion computer, hand-held or vehicle-mount.

F ***Filter***

A task filter is a collection of A.R.C. tasks. Each task filter has a unique name. A task filter is a convenient way of assigning several tasks to a device group. A task filter can be assigned to several device groups. One A.R.C. task can be included in several filters.

G ***Group***

A device group is a collection of target devices that are configured using the same A.R.C. tasks. Tasks are deployed to all the devices simultaneously or using the same update schedule. The devices have the same A.R.C. configuration settings.

I ***IIS***

Microsoft IIS (Internet Information Services) is a Windows web server.

T ***Task***

An A.R.C. task creates an install script that is downloaded from the A.R.C. Server to the target devices, where it is executed. There are two types of A.R.C. tasks:

- User tasks—configure the target device
- System tasks—update the A.R.C. client on the target device

Each task has a **Task Name** and a version number. The combination of name and version number must be unique.

Task Filter

A task filter is a collection of A.R.C. tasks. Each task filter has a unique name. A task filter is a convenient way of assigning several tasks to a device group. A task filter can be assigned to several device groups. One A.R.C. task can be included in several filters.

TDP

See **terminal dynamic property**.

Template

A template is the form that defines the data entry format for a task.

Terminal unique parameter

A terminal unique parameter is a system property—such as TekTerm device number or static IP address—that must be assigned a value that is unique to each device.

Total Recall

Total Recall is a Psion utility developed to maintain applications and settings during a cold boot, and clone settings to other devices. This utility is based on a backup and restore concept.

Total Recall clone profile

A Total Recall clone profile contains settings that are safe for loading onto a device other than the one where the profile was generated. Some device specific settings—such as the device name and a static IP address—are included in the clone profile.

Total Recall profile

A Total Recall backup profile contains a backup that can be reloaded only onto the device where the profile was generated.

TUP

See **terminal unique parameter**.

U**Update an operating system**

Updating an operating system is the process of installing a new version of the existing operating system.

Upgrade an operating system

Upgrading an operating system is the process of changing the operating system type. For example, replacing a Windows CE operating system with a Windows Mobile operating system.

V**Virtual device**

A virtual device is a device that needs to be updated but has not been discovered by the A.R.C. Server. The A.R.C. Server does not have the serial number or the IP address of the device. A virtual device is updated using offline deployment.

B

APPENDIX: REFERENCE MATERIALS

B.1	User Manuals for Psion Computers	B-3
B.2	Other A.R.C. Documents	B-3

B.1 User Manuals for Psion Computers

Omnii

Omnii XT10 Hand-Held Computer User Manual –(Windows Embedded CE 6)–Part number 8100190

NEO

NEO Hand-Held Computer (Model No. PX750) User Manual –(Windows CE 5.0)–Part number 8100157

NEO Hand-Held Computer (Model No. PX750) User Manual –(Windows Mobile 6.1 Classic)–Part number 8100202

Ikôn

Ikôn Rugged PDA –(Windows Mobile 6.1 Classic and Professional)–Part number 8100181

Ikôn Rugged PDA User Manual –(Windows CE 5.0)–Part number 8100147

WORKABOUT PRO G2

WORKABOUT PRO (Model Numbers 7527C-G2 & 7527S-G2) Hand-Held Computer User Manual–(Windows CE 5.0)–Part number 8100140

WORKABOUT PRO (Model Numbers 7527C-G2 & 7527S-G2) Hand-Held Computer User Manual–(Windows Mobile 6 Classic and Professional)–Part number 8100144

WORKABOUT PRO (Model Numbers 7527C-G2 & 7527S-G2) Hand-Held Computer User Manual–(Windows Mobile 6.1 Classic and Professional)–Part number 8100182

8515

8515 Vehicle-Mount Computer User Manual–(Windows CE 5.0)–Part number 8100132

7535 G2

7535 G2 Hand-Held User Manual–(Windows CE 5.0)–Part number 8100075

8525 G2

8525 G2/8530 G2 Vehicle-Mount Computer User Manual–(Windows CE 5.0)–Part number 8100083

WORKABOUT PRO

WORKABOUT PRO Hand-Held Computer User Manual–(Windows Mobile 2003 SE)–Part number 8100058

WORKABOUT PRO Hand-Held Computer User Manual–(Windows Mobile 5.0)–Part number 8100107

TekTerm

TekTerm Software User Manual–Part number 8100073

B.2 Other A.R.C. Documents

A.R.C. Administrators Guide

A.R.C. Administrators Guide–Part number 8000252

A.R.C. Installation Guide

A.R.C. Installation Guide–Part number 8000253

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