# Site Management and Recovery Tool 2007 V1.0

## USER MANUAL

*By: Darrell Childress*

October 1st, 2015

# Revision Sheet

| Release No. | Date | Revision Description |
|---|---|---|
| 1.0 | 10/1/2015 | Initial Revision |
| 1.1 | 11/19/2015 | Removed Full HINV and SINV buttons |
| | | |
| | | |
| | | |
| | | |

**Version 1.0 Release Notes:**

# 1.0 General Information

# 1.0 GENERAL INFORMATION

## 1.1 System Overview

Site Management and Recovery Tool 2007 (SMART) is an application designed to assist in many areas of Software Deployment, Package, Program, Collection, and Advertisement creation, modification, and deletion, as well as, Site and Security Management.

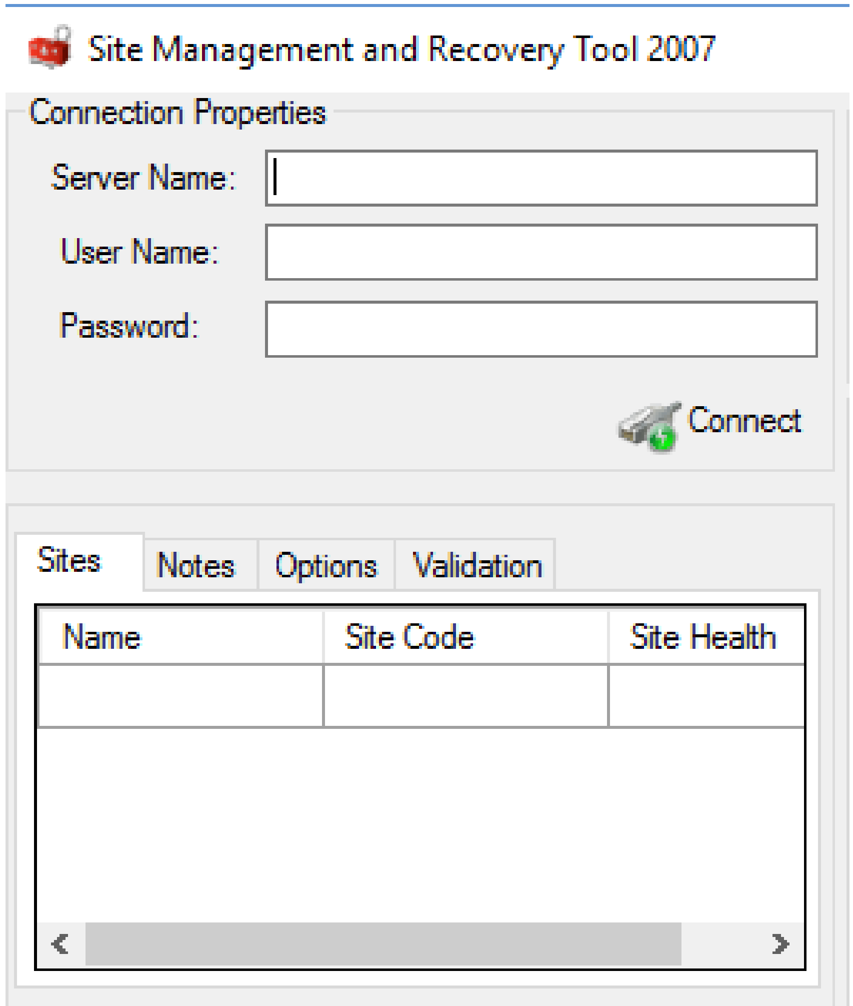
## 1.2 Authorized Use Permission

## 1.3 Points of Contact

Contact Darrell Childress at SMART@C3technology.us with Technical questions.

# 2.0 Connection Properties

## 2.0 CONNECTION PROPERTIES



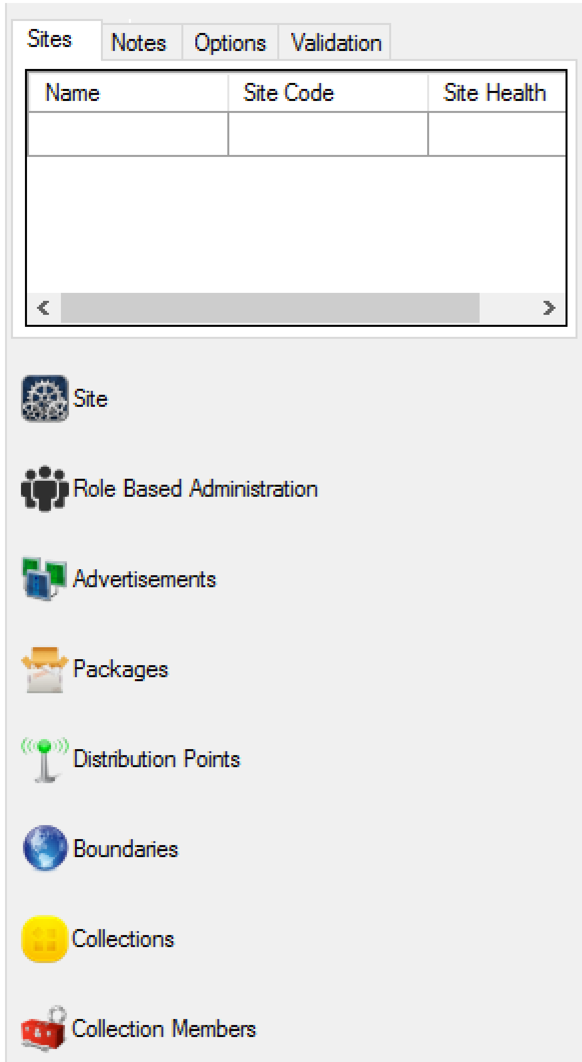

*The following section discusses connecting to SCCM Sites with SMART.*

## 2.1 Connecting to a Site

- Use the following steps for connecting to a SCCM Site.

1. Type the name of the Site Server in the Server Name text box.
2. Type the domain\username of the account you with to connect with in the User Name text box. This step is optional. Not entering credentials will cause the tool to connect with the same credentials that are currently running the tool.
3. Type the user's password in the Password text box.
4. Click the Connect button.
5. Once the tool has connected to the Site, a status message will appear in the bottom left corner of SMART showing which Site you are connected to and the current overall health of that Site.
6. The Sites Datagrid also populates showing any Site Information including Child Sites, Site Codes, and overall Site Health.
7. Step 6 can be bypassed by checking the Bypass Health Check checkbox on the Options tab before connecting.

## 2.2 Navigation bar and Options




The following topic discusses the Navigation bar and Options for SMART.

*Navigation Bar:*

1. Site
    a. Displays utilities for managing the following:
        i. Log File Monitoring
        ii. Manual Installs
        iii. Inventory Tools
        iv. Site Status
2. Role Based Administration
    a. Displays utilities for managing the following:

            i. Local Administrators
3. Advertisements
    a. Displays utilities for managing the following:
        i. Creating Advertisements
        ii. Listing Advertisements
        iii. Deleting Advertisements
4. Packages
    a. Displays utilities for managing the following:
        i. Creating Packages
        ii. Listing Packages
        iii. Deleting Packages
        iv. Creating Programs
        v. Listing Programs
        vi. Deleting Programs
5. Distribution Points
    a. Displays utilities for managing the following:
        i. Assigning Packages to Distribution Points
        ii. Removing Packages from Distribution Points
        iii. Retrieving Package Status
        iv. Ping Distribution Points
        v. Retrieving Package Source Site
6. Boundaries
    a. Displays utilities for managing the following:
        i. Creating Boundaries
        ii. Listing Boundaries
        iii. Deleting Boundaries
7. Collections
    a. Displays utilities for managing the following:
        i. Creating Collections
        ii. Deleting Collections
8. Collection Members
    a. Displays utilities for managing the following:
        i. Listing Systems
        ii. Ping Systems
        iii. Listing Collections
        iv. Adding Systems to Collections
        v. Adding Queries to Collections

## *Options:*

The following options are available within SMART.

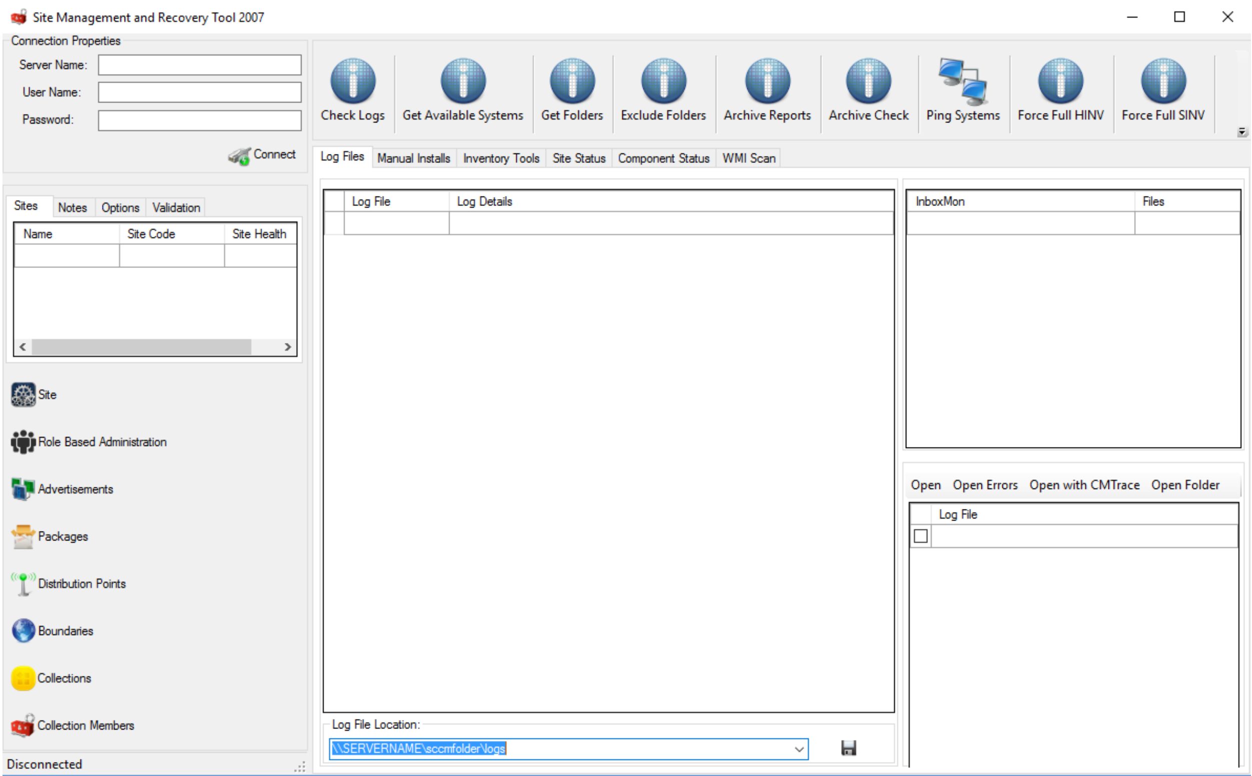
- Notes:
    - Some Navigation Bar items have notes associated with them.
        - Advertisements
        - Distribution Points
        - Boundaries
- Path to Trace32.exe:
    - This option allows you to specify the location of the Trace32 utility for opening SCCM Log files
- Log File Location (Site Node / Log Files Tab):
    - This option allows you to specify the location of the Site Server's Log files. This will allow SMART to open Logs and display SCCM inbox counts
- Favorites (Collection Members Node):
    - Allows you to save selected Collections into groups
        - For example, if you have 5 Collections specific to your Marketing group, you can select those 5 Collections and save them as a Marketing favorite. The next time you build a machine for the Marketing group, you can select Marketing from your favorites list and it will select the appropriate Collections for you
- Bypass Health Check
    - This option allows you to bypass the overall Site Health Check of all Sites connected to the Site you are connecting to
- Prompt for Deletion
    - This option allows you to prompt for deletion confirmation before actually deleting objects from SCCM
- WMI Base Path
    - This option allows you to specify the starting point of the WMI Scan feature. The default is "root\sms" but can be changed to other WMI Namespaces to confirm WMI connectivity
- Filtering:
    - Some tabs allow you to filter your search criteria
        - Advertisements
            - Filter Collections by:
                - Name
                - Collection ID
            - Filter Programs by:
                - Package ID
                - Program Name
        - Distribution Points
            - Filter Packages by:

      - Name
      - Package ID
    - Filter DP by:
      - Name
      - Site Code
    - Filter Pending by (Package Status):
      - Status
  - Boundaries
    - Filter Boundary by:
      - Display Name
      - Value
      - Boundary Type
  - Collections
    - Filter Collection by:
      - Name
      - Collection ID
  - Collection Members
    - Filter Collection by:
      - Name
      - Collection ID
    - Filter System by:
      - Name
      - Resource ID

- Validation
  - Several Items can be validated within SMART using the Validation tab
    - Package ID
    - Package Name
    - Program Name
    - Collection ID
    - Collection Name
    - Resource ID
    - System Name
    - Advertisement ID
    - Advertisement Name
    - Boundary Value
    - Boundary Name
    - Distribution Point Name
    - Distribution Point Package ID
    - Distribution Point Package Name

# 3.0 Site

# 3.0 SITE



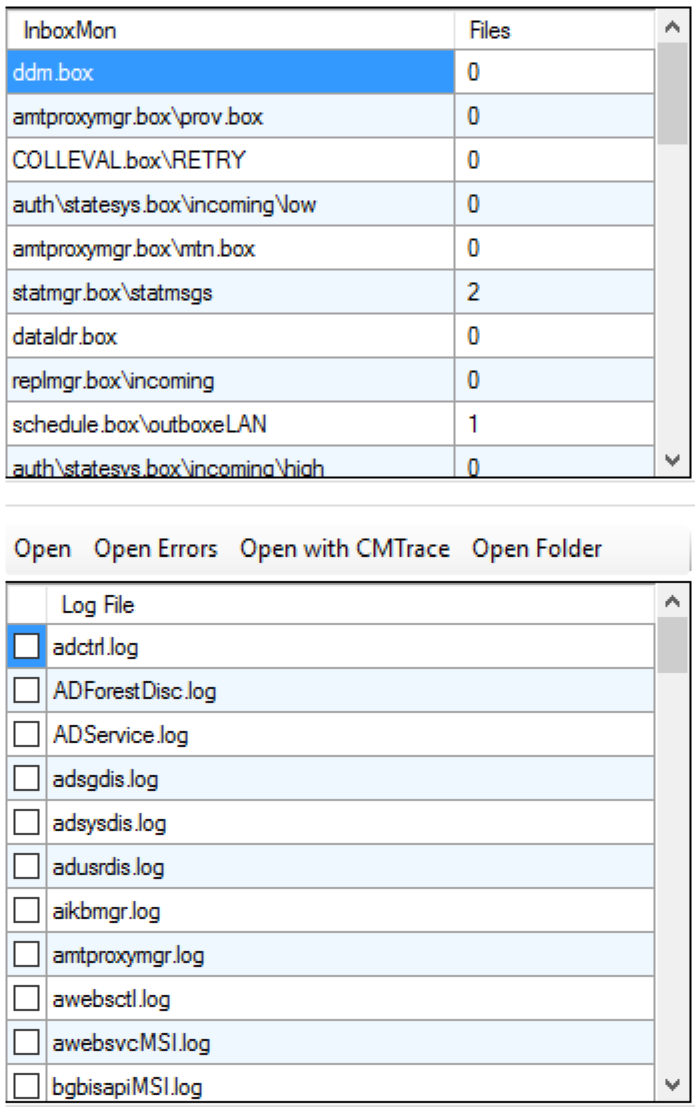

This section discusses different aspects of managing SCCM Sites, performing manual installs, and performing certain Client Actions

## 3.1 Log Files

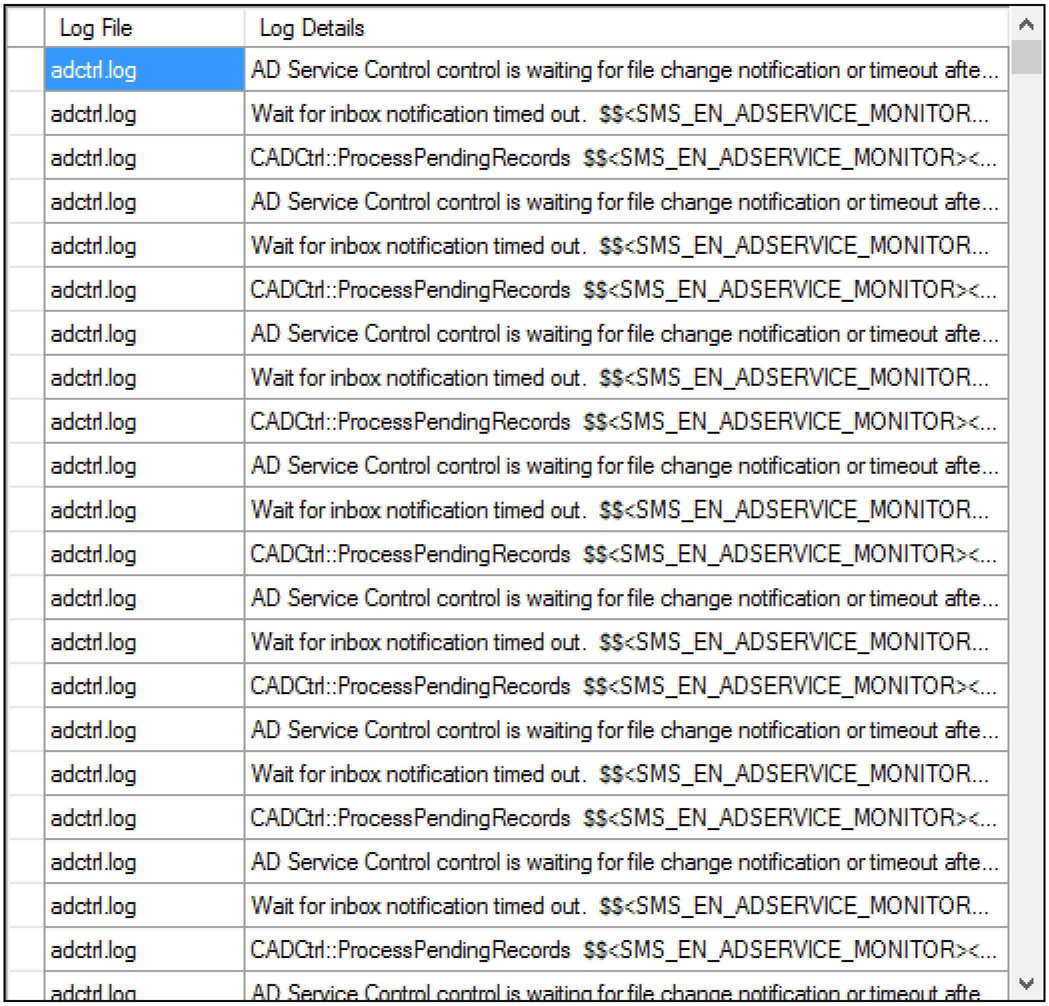
The Log Files tab within the Site Node allows you to review SCCM Site Logs.

Use the following steps to review a Site Server's log files.

1. Populate the location of the log files in the Log File Location text box
2. Click the Check Logs button at the top of the screen




3.
4. The inboxmon.log file is parsed and the latest information is displayed in the inboxmon Data grid. The Files column shows the latest count of files in each SCCM inbox. This can be reviewed for any backlogs at the Site.
5. The list of log files are displayed in the Log File Data grid
6. The following options can be used for opening a log file
   a. Place a check next to the log file you want to open
   b. Click the **Open** button above the Log File Data grid



| Log File | Log Details |
|---|---|
| adctrl.log | AD Service Control control is waiting for file change notification or timeout afte... |
| adctrl.log | Wait for inbox notification timed out. $$<SMS_EN_ADSERVICE_MONITOR... |
| adctrl.log | CADCtrl::ProcessPendingRecords $$<SMS_EN_ADSERVICE_MONITOR><... |
| adctrl.log | AD Service Control control is waiting for file change notification or timeout afte... |
| adctrl.log | Wait for inbox notification timed out. $$<SMS_EN_ADSERVICE_MONITOR... |
| adctrl.log | CADCtrl::ProcessPendingRecords $$<SMS_EN_ADSERVICE_MONITOR><... |
| adctrl.log | AD Service Control control is waiting for file change notification or timeout afte... |
| adctrl.log | Wait for inbox notification timed out. $$<SMS_EN_ADSERVICE_MONITOR... |
| adctrl.log | CADCtrl::ProcessPendingRecords $$<SMS_EN_ADSERVICE_MONITOR><... |
| adctrl.log | AD Service Control control is waiting for file change notification or timeout afte... |
| adctrl.log | Wait for inbox notification timed out. $$<SMS_EN_ADSERVICE_MONITOR... |
| adctrl.log | CADCtrl::ProcessPendingRecords $$<SMS_EN_ADSERVICE_MONITOR><... |
| adctrl.log | AD Service Control control is waiting for file change notification or timeout afte... |
| adctrl.log | Wait for inbox notification timed out. $$<SMS_EN_ADSERVICE_MONITOR... |
| adctrl.log | CADCtrl::ProcessPendingRecords $$<SMS_EN_ADSERVICE_MONITOR><... |
| adctrl.log | AD Service Control control is waiting for file change notification or timeout afte... |
| adctrl.log | Wait for inbox notification timed out. $$<SMS_EN_ADSERVICE_MONITOR... |
| adctrl.log | CADCtrl::ProcessPendingRecords $$<SMS_EN_ADSERVICE_MONITOR><... |
| adctrl.log | AD Service Control control is waiting for file change notification or timeout afte... |
| adctrl.log | Wait for inbox notification timed out. $$<SMS_EN_ADSERVICE_MONITOR... |
| adctrl.log | CADCtrl::ProcessPendingRecords $$<SMS_EN_ADSERVICE_MONITOR><... |
| adctrl.log | AD Service Control control is waiting for file change notification or timeout afte |

c.

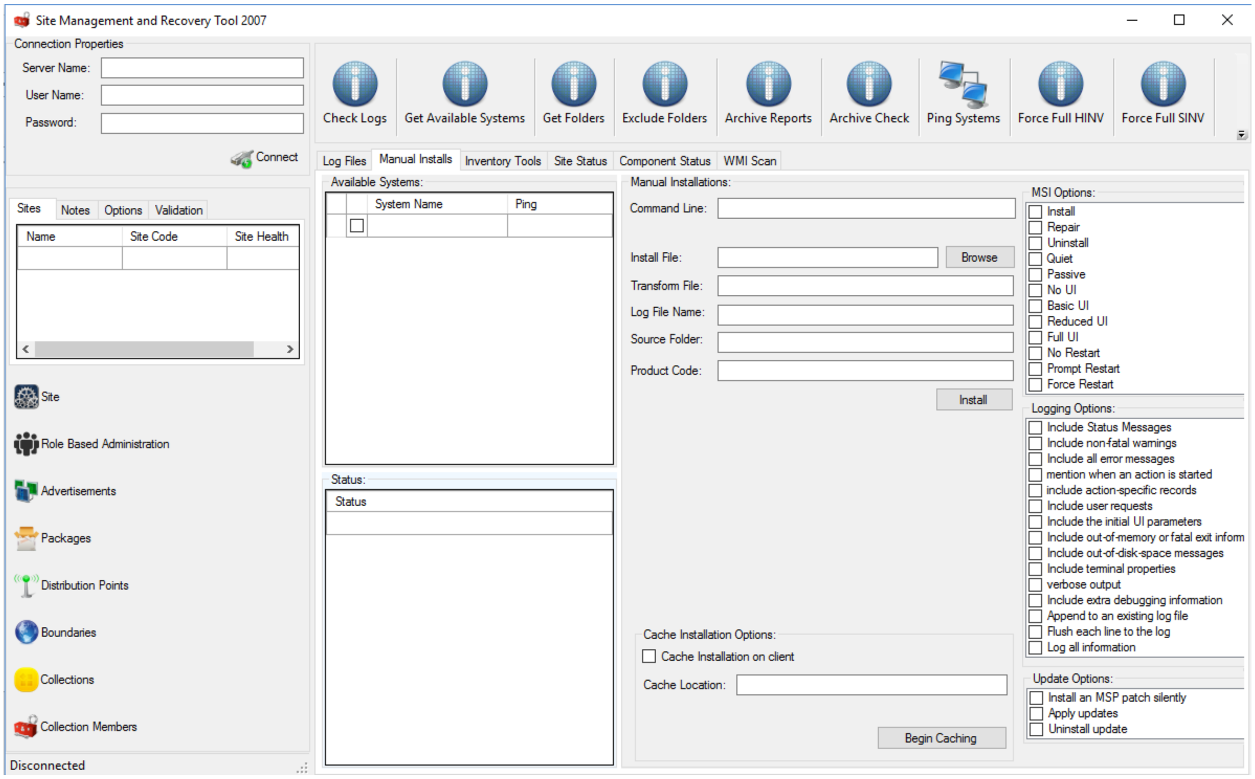
d. The name of the log file and the log file details are displayed in the Log Details data grid. Any lines containing the word Failed will be highlighted Red

e. Click the Open Errors button to only show the error lines within the log file. This will also highlight the log file line Red, in the Log File data grid. Selecting all in the Log File data grid and clicking Open Errors will allow you to see which log files contain errors at a glance

f. Click the Open with CMTrace button to open the selected log files in the CMTrace log file reader

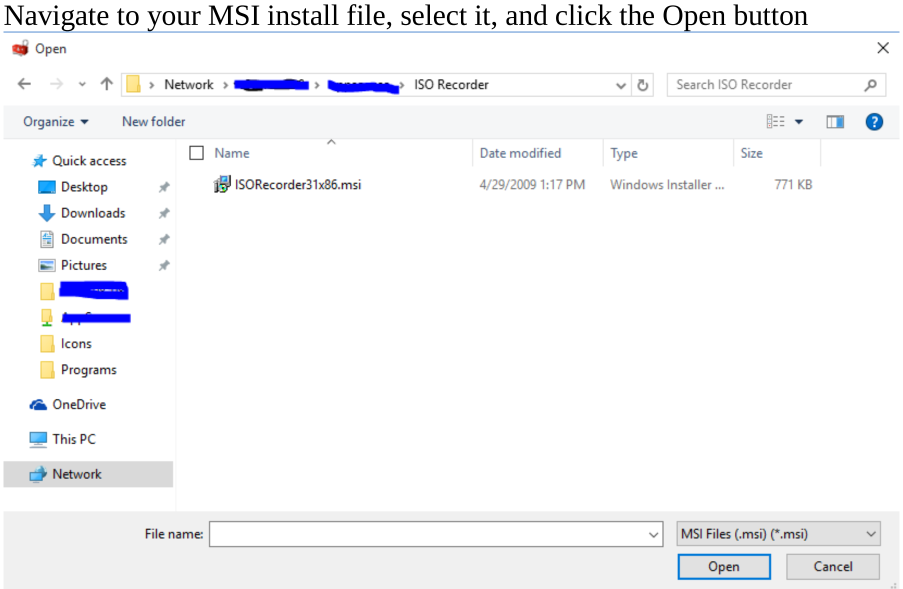
g. Click the Open Folder button to open a Windows Explorer window in the Log File location

## 3.2 Manual Installs

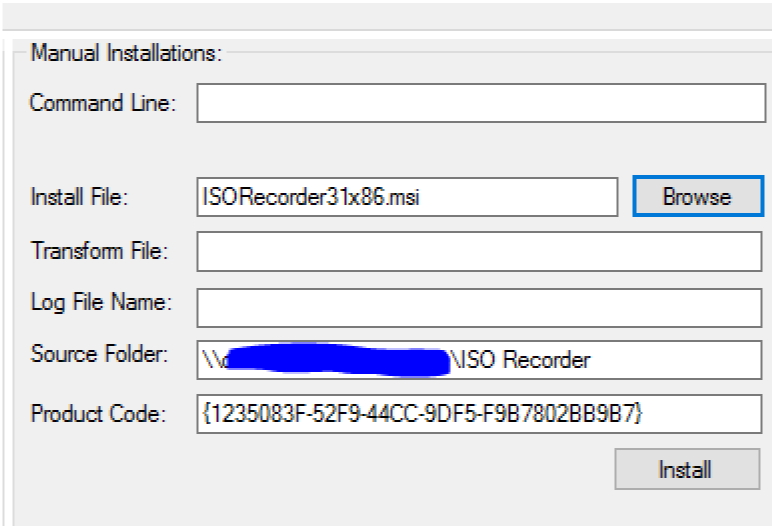



SMART gives you the ability to create and deploy manual installation command lines. Use the following steps to prepare an MSI installation using SMART:

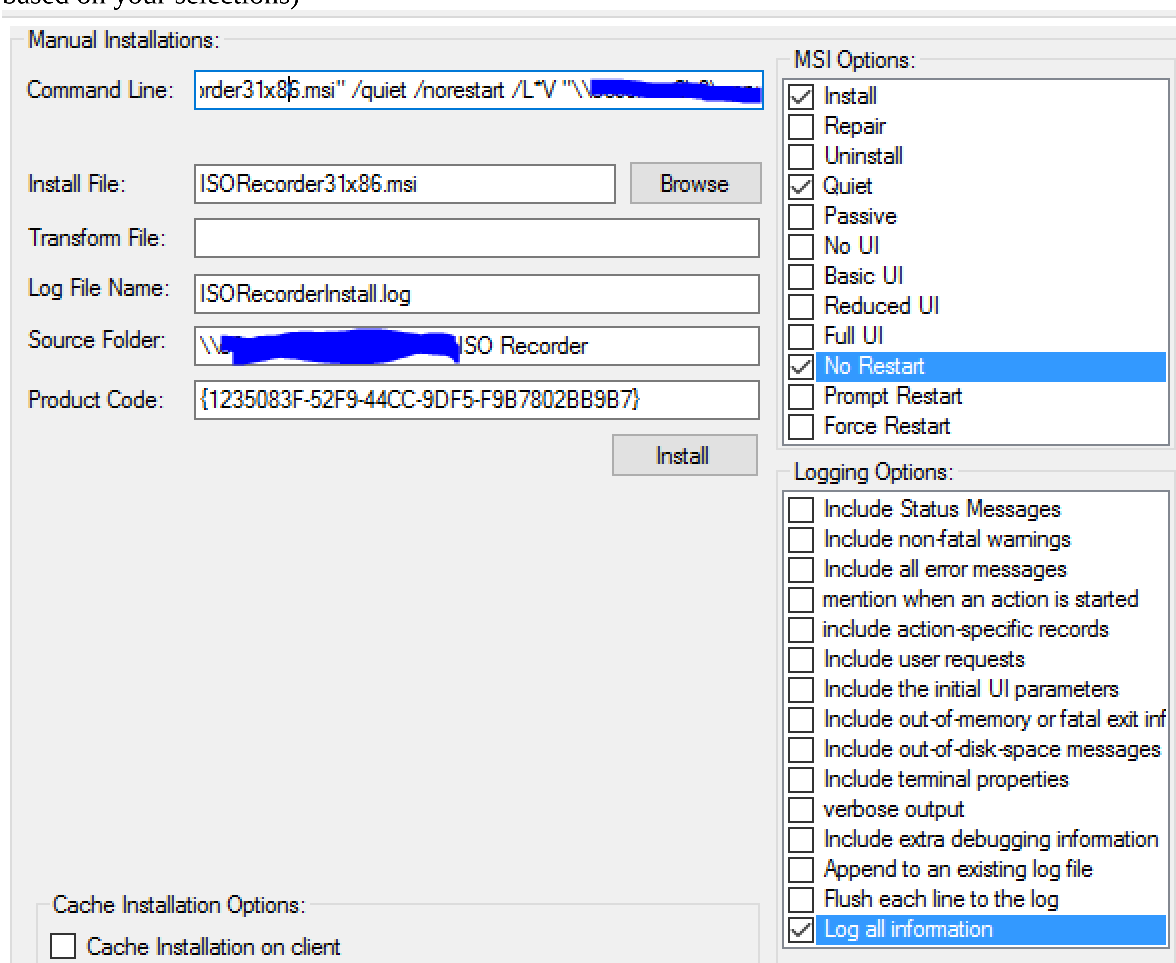
1. Click the Browse button next to the Install File text box
2. Navigate to your MSI install file, select it, and click the Open button



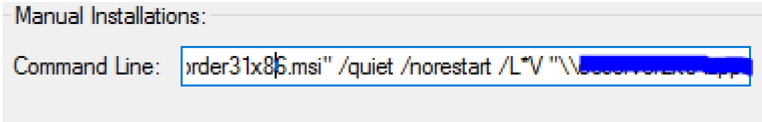

3.
4. Notice that the Install File Name, Source Folder, and Product Code are automatically populated




5.
6. If needed, enter the name of the Transform File (can use full path if in different location)
7. If needed, enter the Log File Name
8. Select the appropriate MSI and Logging options (notice that the Command Line field updates based on your selections)

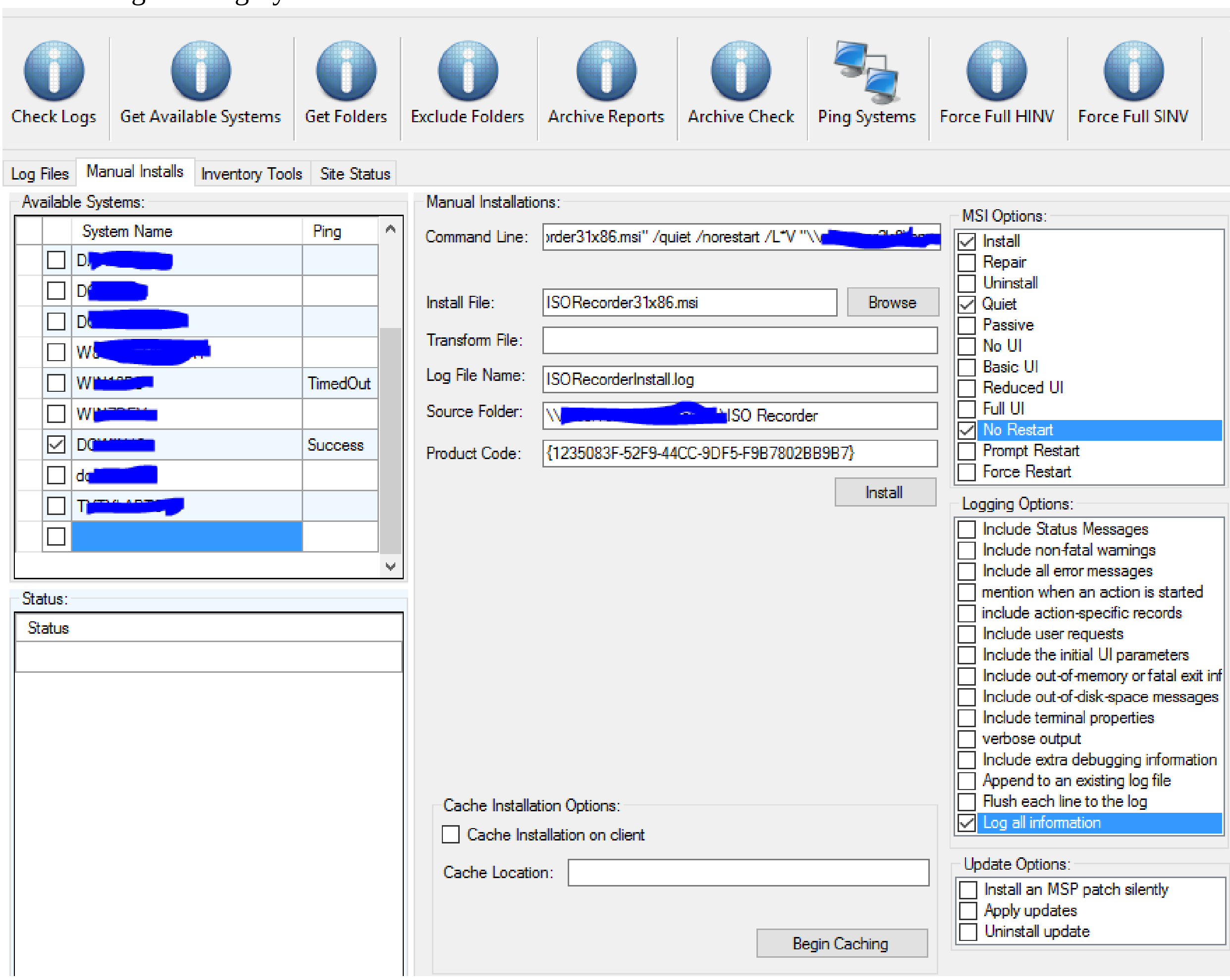



9.




10.

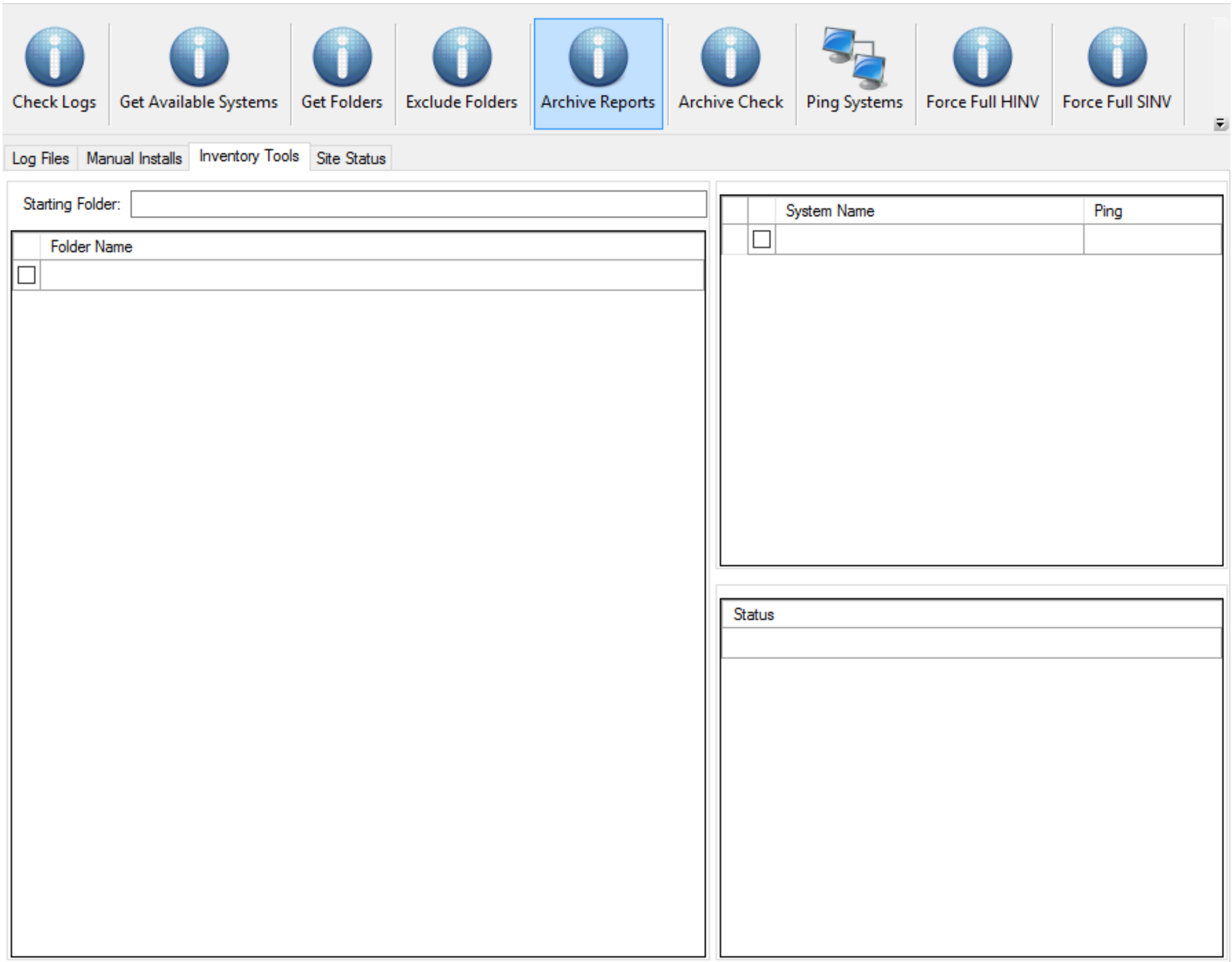
11. If connected to a SCCM Site, click the Get Available Systems button.  You can also ping the machines to make sure they are available by placing a check next to the ones you want to ping and clicking the Ping Systems button




12.

13. Place a check next to the system(s) to perform the manual installation on
14. If you would like to cache the installation on each client, enter the folder name you would like to cache the installation to (i.e. C:\Temp), place a checkmark in the Cache Installation on client checkbox, and click the Begin Caching button
15. NOTE:  The Command Line may require some modification if you want to run the installation locally
16. When you are ready to perform the installation, click the Install button

## 3.3 Inventory Tools




SMART will allow you to manage Hardware and Software Inventory for SCCM by allowing you to exclude folders from Software Inventory, Force a Full Hardware and/or Software Inventory, and gather Inventory files for review and troubleshooting.

Use the following steps to exclude folders from Software Inventory

1. Type a starting folder (local or UNC) in the Starting Folder text box
2. Click the Get Folders button
3. Place check marks next to the folders you wish to exclude from Software Inventory
4. Click the Exclude Folders button

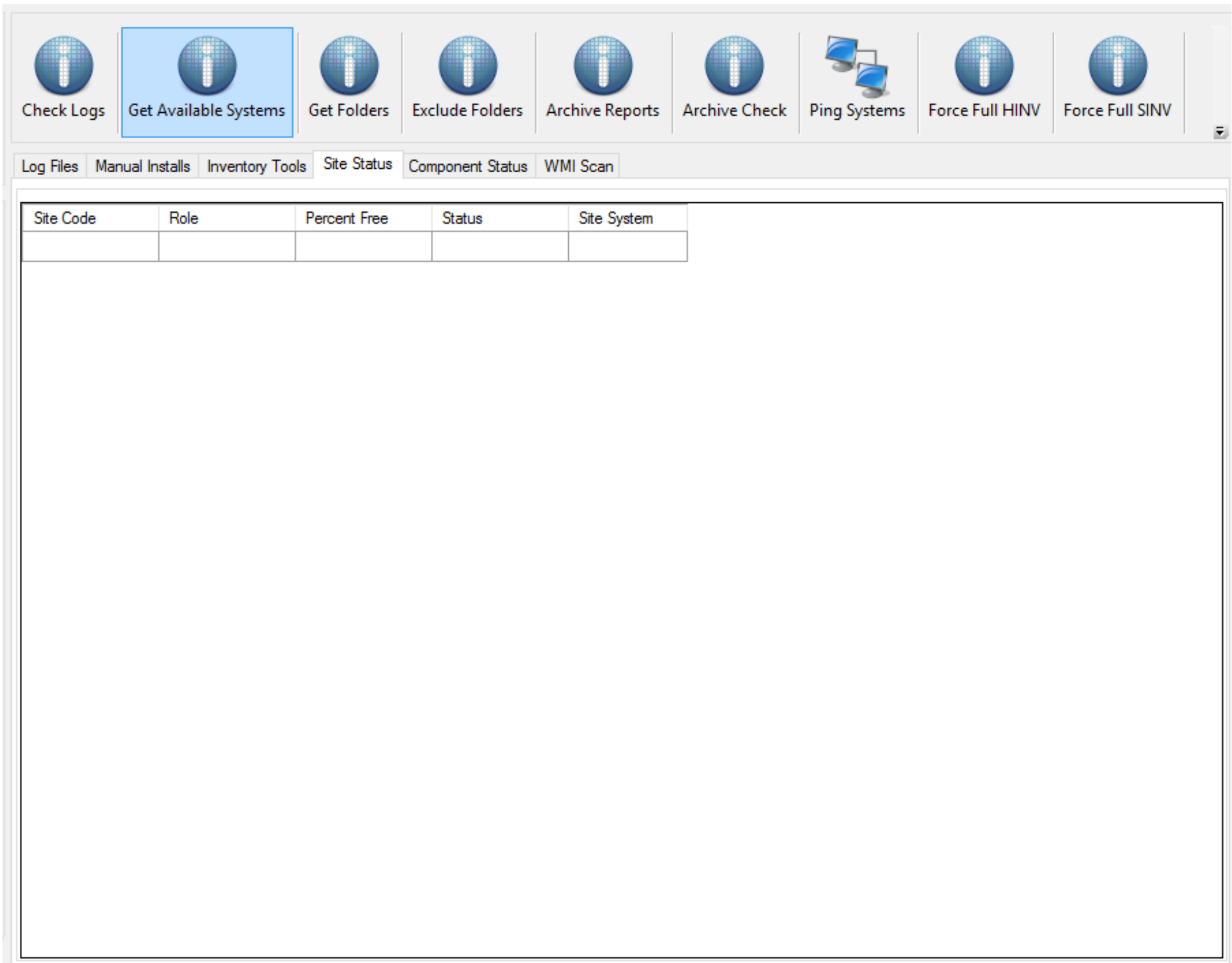
NOTE: The Available Systems data grid is for reference only (for creating UNC paths and pinging computers). A future release of this tool may include translation of the folder locations. Also, make sure that you have permissions to create the skpswi.dat file in the folders you are selecting.

Use the following steps to check for the Inventory Archive Reports file on systems

1. Click the Get Available Systems button

2. Place a check mark next to the systems you want to check for the Archive Reports file
3. Click the Archive Check button
4. The Status grid will populate and notify you if the Archive Reports file exists or not
5. If the file does not exist and you want to create it, Click the Archive Reports button
6. The Status grid will notify you of the file creation

## 3.4 Site Status

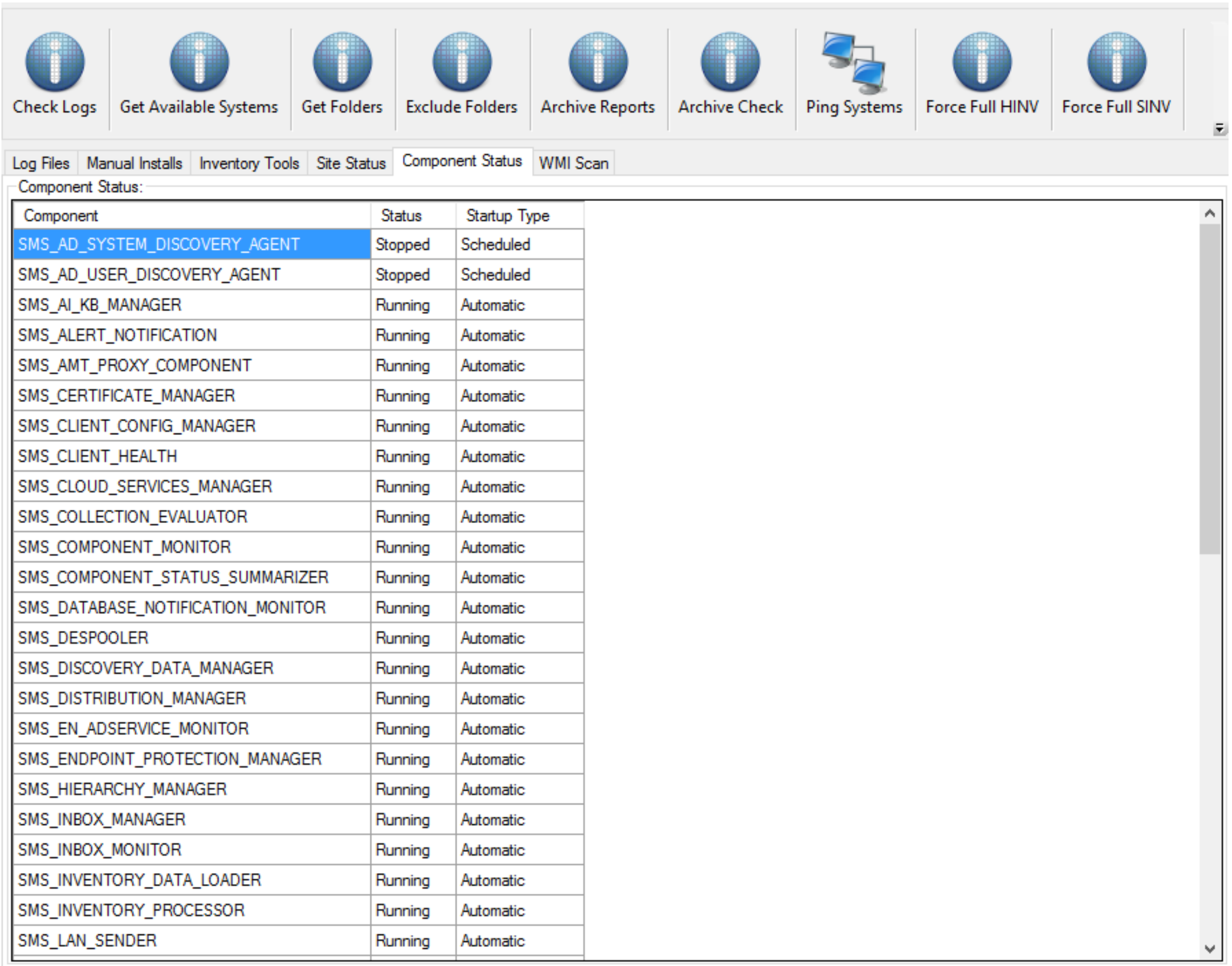



SMART will get the Status of each Role connected to the Site. This includes the free percentage of that particular Role.

Use the following steps to check Site Status:

1. Click on the Get Site Status button
2. Review the following information
    a. Site Code
    b. Role
    c. Percent Free
    d. Status
    e. Site System

## 3.5 Component Status

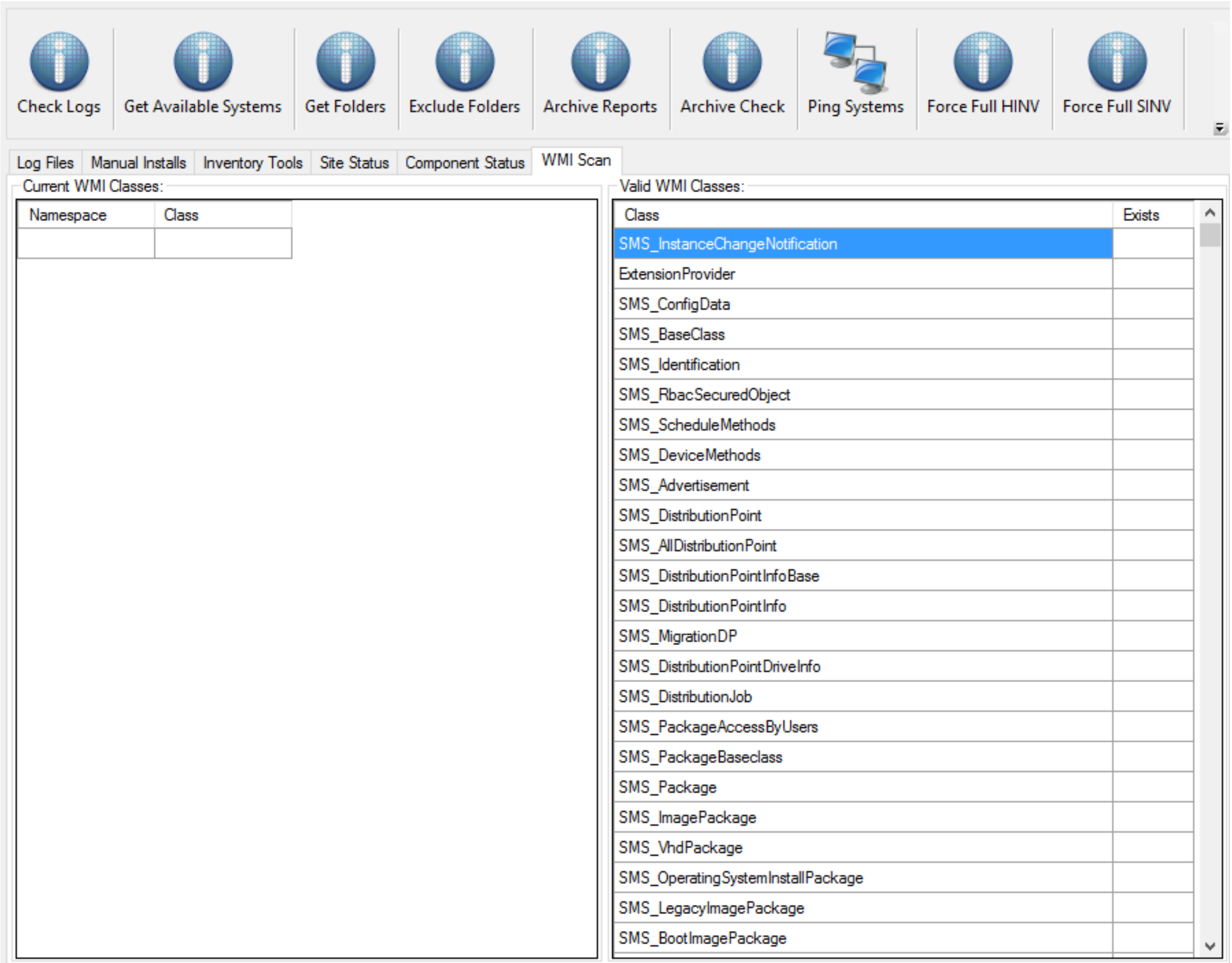



SMART will get the Status of each Component for SCCM

Use the following steps to check Component Status:

1. Click on the Get Component Status button
    a. SMART may require you to run the application as Administrator for this feature to work
2. Review the following information
    a. Component
    b. Status
    c. Startup Type

## 3.6 WMI Scan




SMART will connect to WMI Namespaces and list available Classes. These Classes can be compared to a specified list of Classes to verify consistency.

Use the following steps to check WMI:

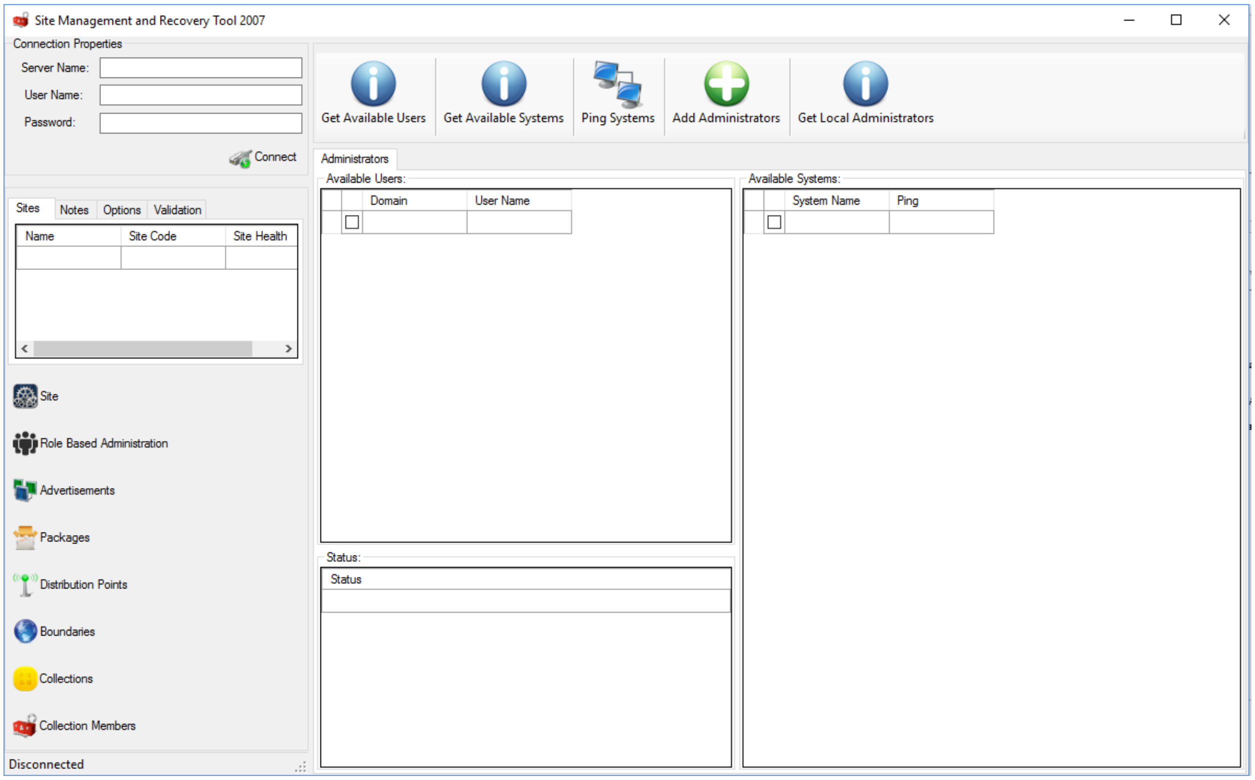
1. Click on the WMI Scan button
2. Review the following information
    a. Namespace
    b. Class

**NOTE: WMI Base path can be changed using the options tab within SMART. Specified WMI Class list can be modified by editing the file called WMIClassConfig.txt in the SMART application directory.**

**Site section complete.**

# 4.0 Role Based Administration

# 4.0 ROLE BASED ADMINISTRATION




This section discusses Role Based Administration within SMART.

## 4.1 Administrators

To list the Local Administrators on a computer:

- Click the Get Available Systems button
- Place a check mark next to the System you want to query
- Click the Get Local Administrators button

To Add Local Administrators to a computer:

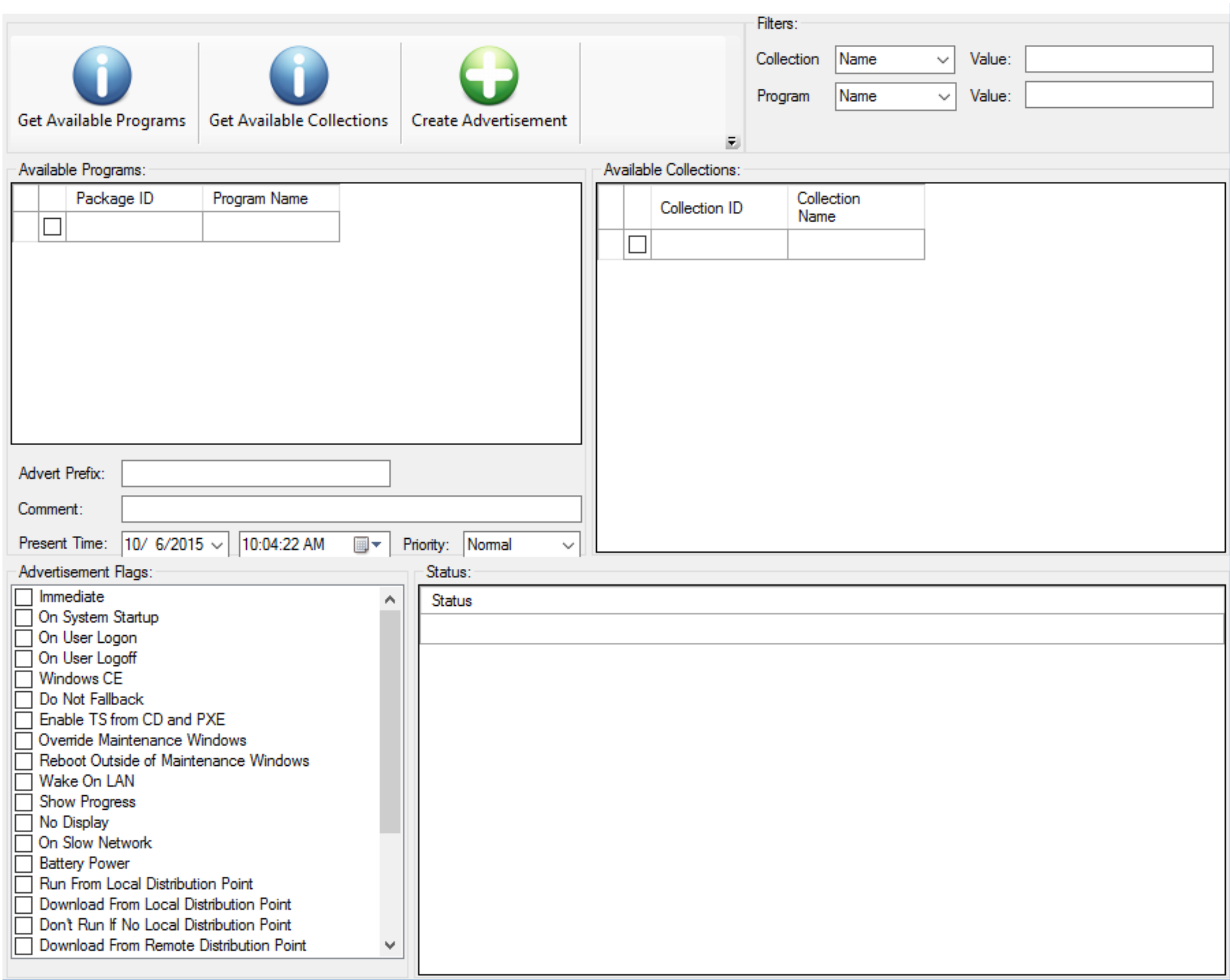
- Click the Get Available Users button
- Click the Get Available Systems button
- Place a check mark next to the User you want to add
- Place a check mark next to the System you want to add the user to
- Click the Add Administrators button

NOTE: You can type in the User name and System name without clicking the Get Available Users and Get Available Systems buttons.

**Role Based Administration section complete.**

# 5.0 Advertisements

# 5.0 ADVERTISEMENTS




This section discusses creating, listing, and deleting Advertisements.

## 5.1 Creating Advertisements

Use the following steps to create an Advertisement using SMART:

- Click the Get Available Programs button
  - The Program filter can be used to search for specific Programs
- Click the Get Available Collections button
  - The Collection filter can be used to search for specific Collections
- Place a check mark next to the Program you want to Advertise
- Place a check mark next to the Collection you want to Advertise to
- Type in an Advert Prefix if needed
  - This allows you to specify a unique beginning of the Advertisement name. Default naming standard is ProgramName_CollectionName
- Type in a Comment if needed
- Select a Present Time
  - This will create a Mandatory Run Time for the Advertisement
- Select a Priority
- Select the appropriate Advertisement flags
  - NOTE: Some of these flags contradict each other, so pay close attention to them
- Click the Create Advertisement button

NOTE: Multiple Programs can be advertised to multiple Collections. If you have more than one Program selected and more than one Collection selected, each Program will be advertised to each Collection.

## 5.2 Listing Advertisements

Use the following steps to list Advertisements using SMART:

- Click the Get Available Advertisements button
- Notice that the Available Programs grid changes to Available Advertisements grid and displays the following information:
  - Advertisement ID
  - Advertisement Name
  - Comment

## 5.3 Deleting Advertisements

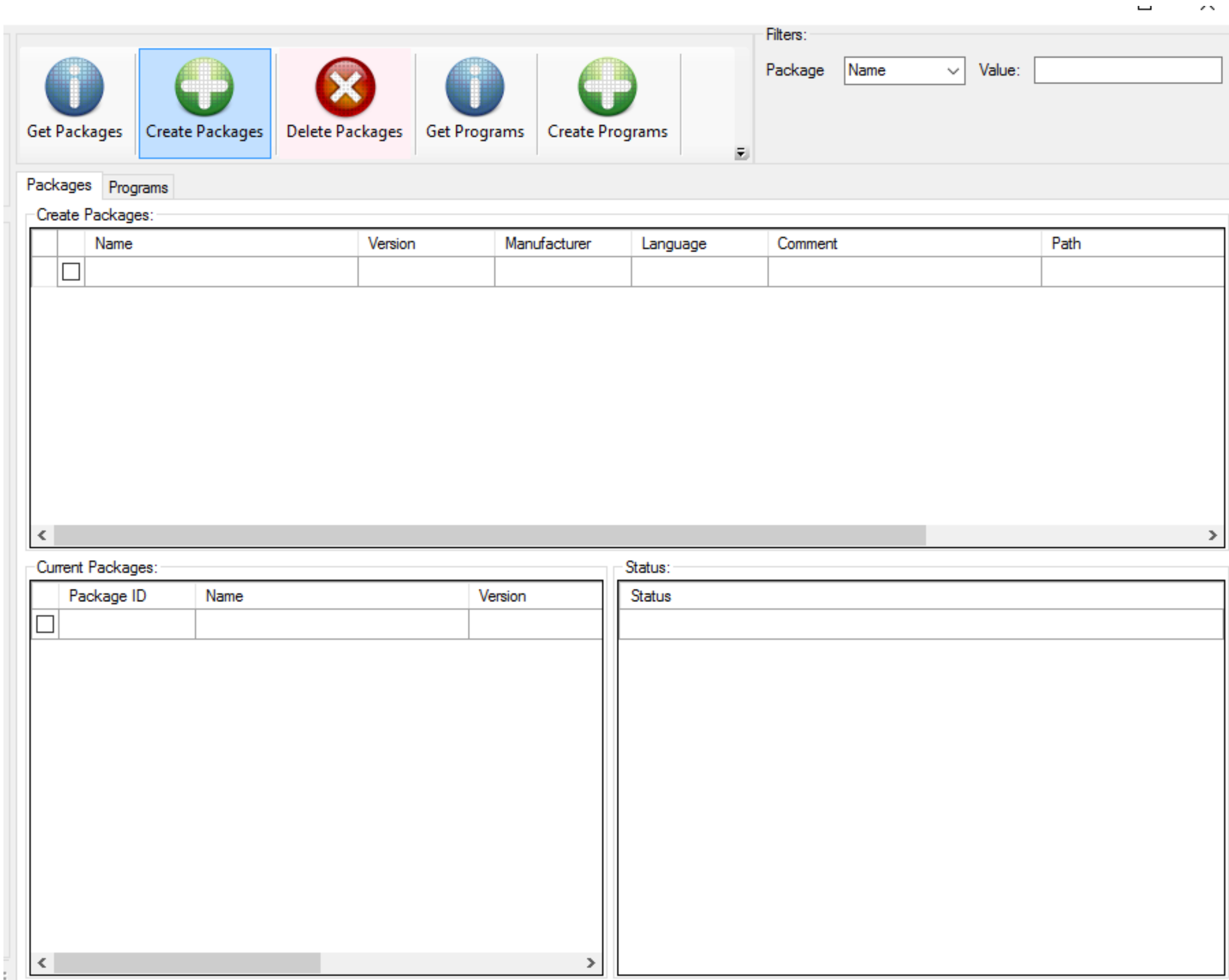
Use the following steps to delete an Advertisement using SMART:

- Click the Get Available Advertisements button
- Place a check mark next to the Advertisement you want to delete
- Click the Delete Advertisements button
- The Advertisement Status grid will update with information

**Advertisement section complete**

# 6.0 Packages

# 6.0 PACKAGES




This section discusses creating, listing, and deleting Packages and Programs.

## 6.1 Creating a Package

Use the following steps to create a Package using SMART:

- Type the following information into the Create Package data grid
  - Name
  - Version
  - Manufacturer
  - Language
  - Comment
  - Path
    - This is the path to the source files for the Package
- Place a check mark next to the Package information you just entered
- Click the Create Packages button
- Review the Package Status grid for details

NOTE: You can paste a list of Packages into the Create Package data grid, if you have the information contained in a spreadsheet or gathered it from another Site

## 6.2 Listing a Package

Use the following steps to list Packages using SMART:

- Click the Get Packages button
  - The Package filter can be used to search for specific Packages
- Notice the Current Packages grid now displays the following information:
  - Package ID
  - Name
  - Version
  - Manufacturer
  - Language
  - Comment
  - Path

## 6.3 Deleting a Package

Use the following steps to delete a Package using SMART:

- Click the Get Packages button
- Place a check mark next to the Package you want to delete
- Click the Delete Packages button
- Review Package Status data grid for details

## 6.4 Creating a Program

Use the following steps to create a Program using SMART:

- Type the following information into the Create Programs data grid
    - PackageID
        - This will be the Package ID of that Package to create the Program in
    - Name
    - Comment
    - Command Line
    - Max Runtime
- Place a check mark next to the Program you want to create
- Click the Create Programs button
- Review the Program Status data grid for details

## 6.5 Listing a Program

Use the following steps to list Programs using SMART:

- Click the Get Programs button
- Notice the Current Programs grid now displays the following information:
    - Package ID
    - Name
    - Comment
    - Command Line
    - Max Runtime

## 6.6 Deleting a Program

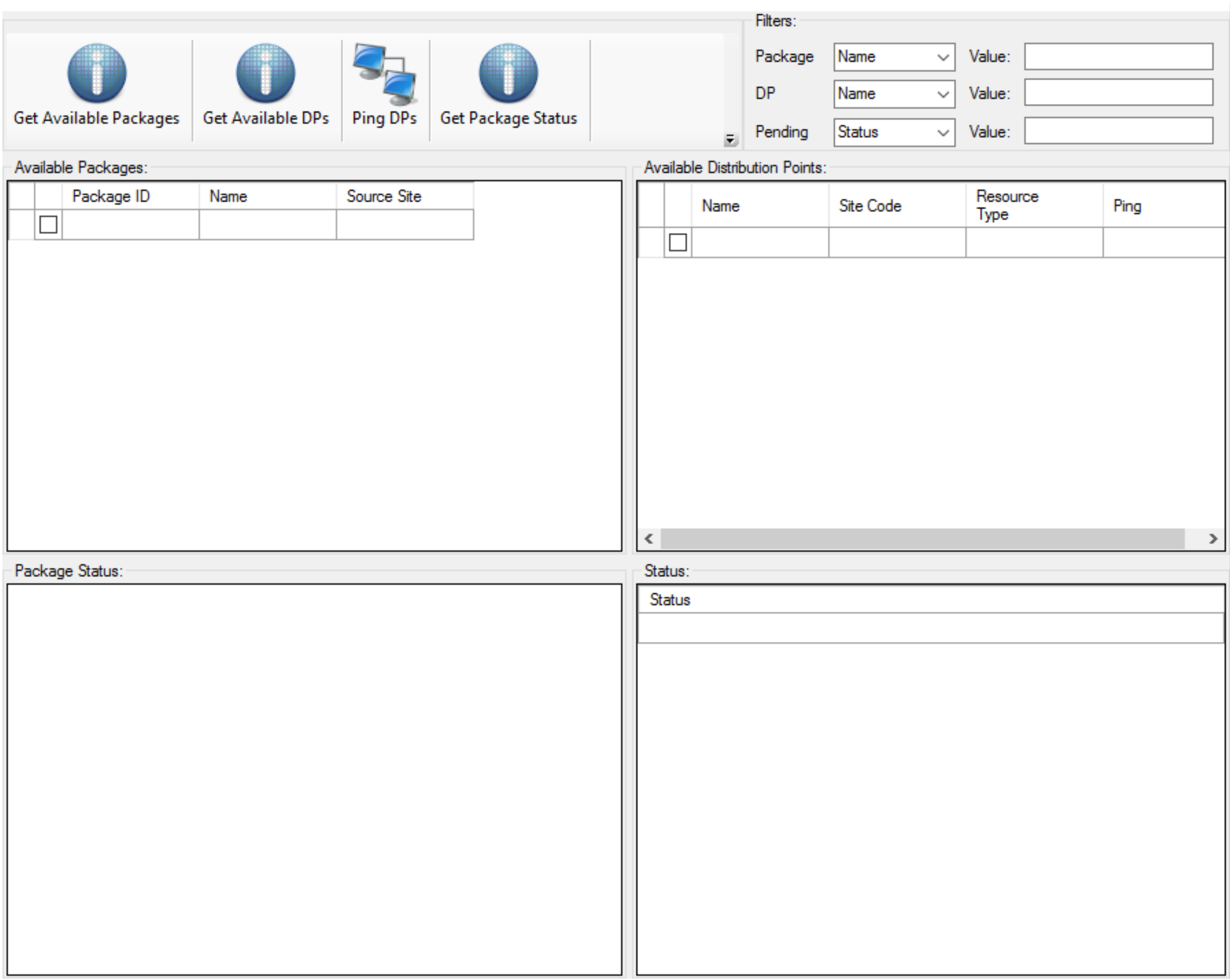
Use the following steps to delete a Program using SMART:

- Click the Get Programs button
- Place a check mark next to the Package you want to delete
- Click the Delete Packages button
- Review Package Status data grid for details

**Packages section complete**

# 7.0 Distribution Points

# 7.0 DISTRIBUTION POINTS




This section discusses adding and removing Packages to and from Distribution Points

## 7.1 Adding Packages to Distribution Points

Use the following steps to add Packages to Distribution Points using SMART:

- Click the Get Available Packages button
  - The Package filter can be used to search for specific Packages
- Click the Get Available DPs button
  - The DP filter can be used to search for specific Distribution Points
  - The Ping DPs button can be used to verify the Distribution Points are online
- Place a check mark next to the Package you want to assign
- Place a check mark next to the Distribution Point you want to assign the Package to
- Click the Assign Packages button
- Review the Status data grid for details

## 7.2 Removing Packages from Distribution Points

Use the following steps to remove Packages from Distribution Points using SMART:

- Click the Get Available Packages button
  - The Package filter can be used to search for specific Packages
- Click the Get Available DPs button
  - The DP filter can be used to search for specific Distribution Points
  - The Ping DPs button can be used to verify the Distribution Points are online
- Place a check mark next to the Package you want to remove
- Place a check mark next to the Distribution Point you want to remove the Package from
- Click the Remove Packages button
- Review the Status data grid for details

## 7.3 Listing Package Status

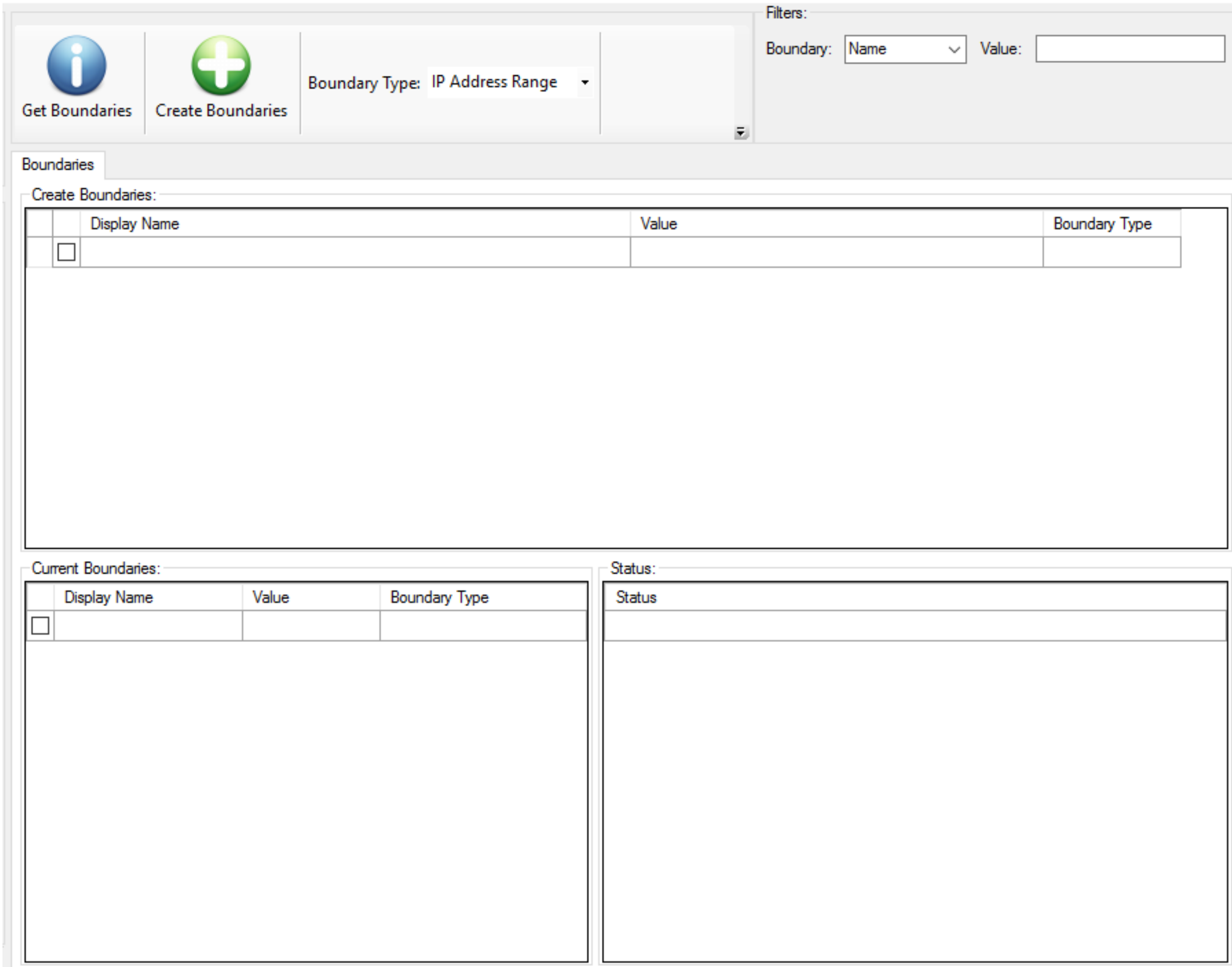
Use the following steps to list Package Status using SMART:

- Click the Get Package Status button
  - By default, only Packages that are in a Waiting to Install state will be displayed
  - The Pending filter can be used to look for Packages in an Installed state
    - Review the Notes tab for available states
- Notice the Package Status grid now displays the following information:
  - Server Name
  - Site Code
  - Package ID
  - Install State
  - Date Last Copied

**Distribution Point section complete**

# 8.0 Boundaries

# 8.0 BOUNDARIES




This section discusses creating, listing, and deleting Boundaries

## 8.1 Creating a Boundary

Use the following steps to create a Boundary using SMART:

- Type the following information into the Create Boundaries data grid
    - Display Name
    - Value
    - Boundary Type
        - The Boundary Type drop down list can be used to automatically populate Boundary Type as you create Boundaries
- Place a check mark next to the Boundary information you just entered
- Click the Create Boundaries button
- Review the Status grid for details

NOTE: You can paste a list of Boundaries into the Create Boundaries data grid

## 8.2 Listing Boundaries

Use the following steps to list Boundaries using SMART:

- Click the Get Boundaries button
    - The Boundary filter can be used to search for specific Boundaries
- Notice the Current Boundaries grid now displays the following information:
    - Display Name
    - Value
    - Boundary Type

## 8.3 Deleting a Boundary

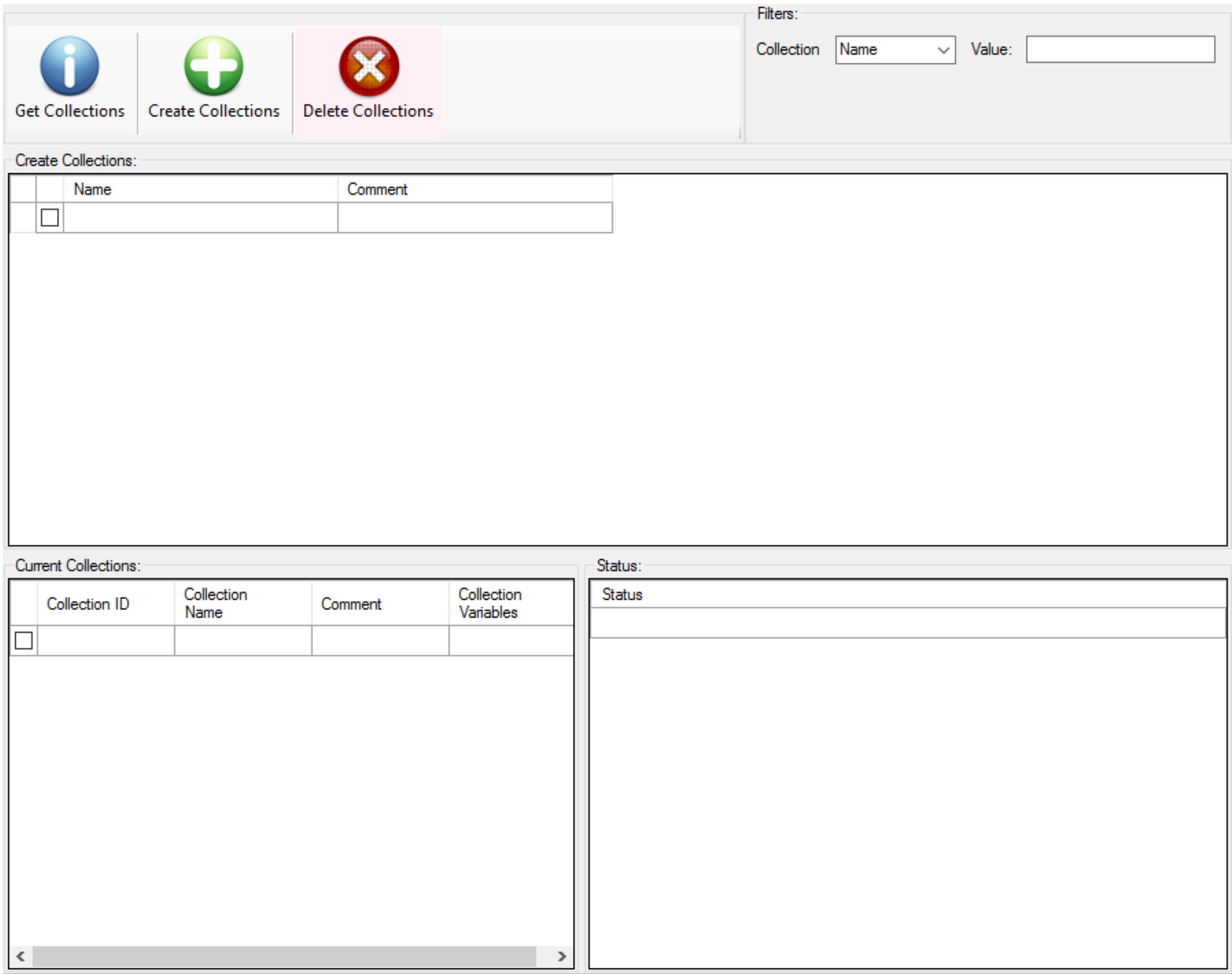
Use the following steps to delete a Boundary using SMART:

- Click the Get Boundaries button
- Place a check mark next to the Boundary you want to delete
- Click the Delete Boundaries button
- Review Status data grid for details

**Boundary section complete**

# 9.0 Collections

# 9.0 COLLECTIONS




This section discusses creating and deleting Collections.

## 9.1 Creating Collections

Use the following steps to create a Collection using SMART:

- Type the following information into the Create Collections data grid
    - Name
    - Comment
- Place a check mark next to the Collection information you just entered
- Click the Create Collections button
- Review the Status grid for details

## 9.2 Listing Collections

Use the following steps to list Collections using SMART:

- Click the Get Collections button
- Notice that the Current Collections data grid displays the following information:
    - Collection ID
    - Collection Name
    - Comment
    - Collection Variables
        - Count of Collection Variables within Collection

## 9.3 Deleting Collections

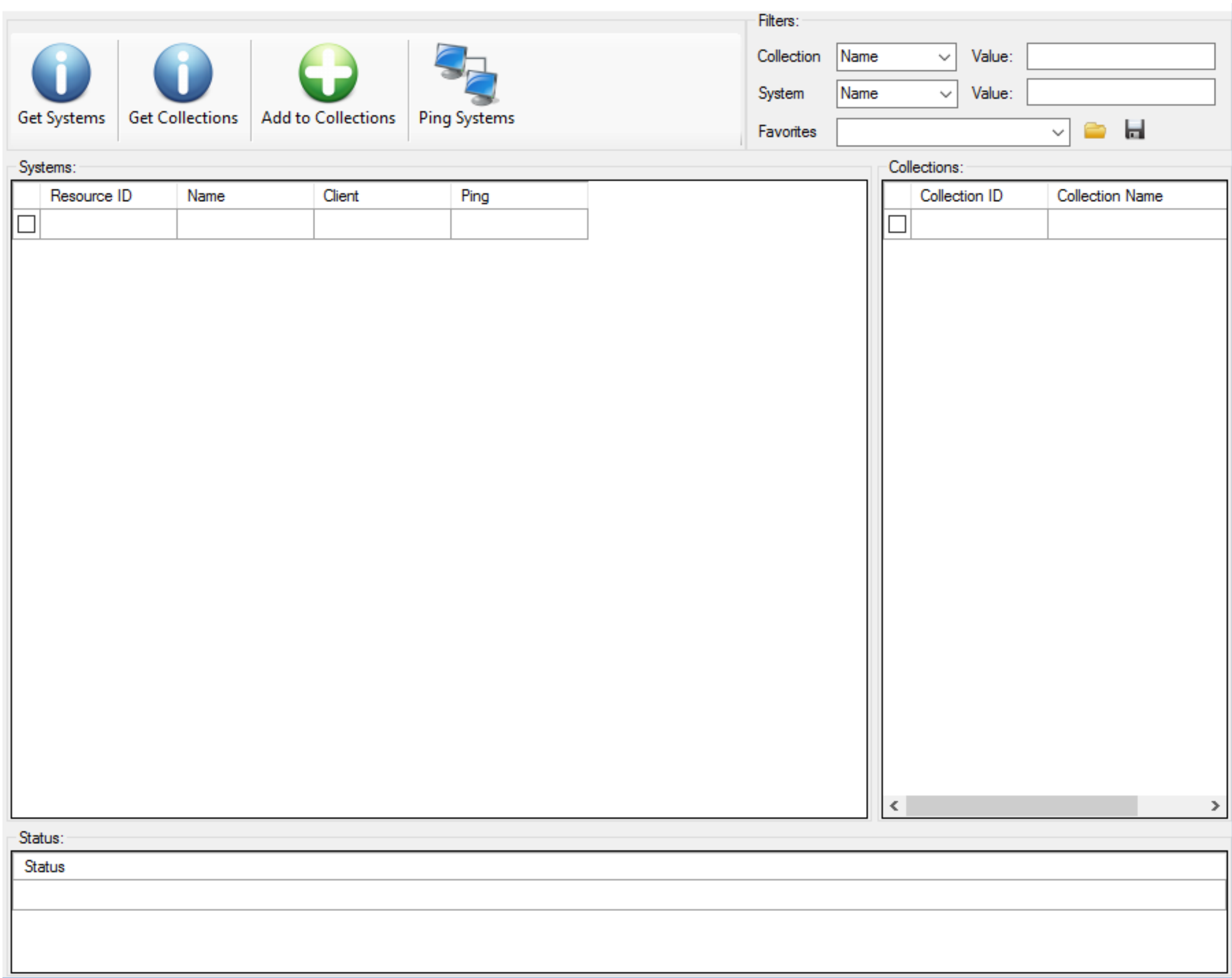
Use the following steps to delete a Collection using SMART:

- Click the Get Collections button
- Place a check mark next to the Collection you want to delete
- Click the Delete Collections button
- Review the Status grid for details

**Collection section complete**

# 10.0 Collection Members

# 10.0 COLLECTION MEMBERS




This section discusses adding Computers to various Collections.

## 10.1 Adding Systems to Collections

Use the following steps to add Systems to Collections with SMART:

- Click the Get Systems button
- Click the Get Collections button
- Place check marks next to the computers you want to add to the Collections
    - You can use the Ping Systems button to verify the computers are online
    - The System filter can be used to search for specific Systems
- Place check marks next to the Collections you want to add computers to
    - The Collection filter can be used to search for specific Collections
- Click the Add to Collections button
- Review the Status grid for details

NOTE: The following steps can be used to make Favorite groups of Collections for use later

- Place check marks next to the Collections you want to save as a group
- Type a Name for the group in the Favorites text box (i.e. Marketing)
- Click the Save icon
    - This will save your list so that when you want to use it again, you can select Marketing from the Favorites drop down and click Open. SMART will automatically place check marks for you on the Collections that are part of that group

**Collection Members section complete**