

NovaBACKUP® Central Management Console

Instruction Manual

NovaStor / April 2012

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About NovaBACKUP Central Management Console

NovaBACKUP Central Management Console (CMC) is a web based management console that allows the user to create, delete, and run backup or restore jobs on the computers that have NovaBACKUP installed on them. The CMC is a full management console that includes everything you would need in order to manage multiple installations of NovaBACKUP, whether those installations are on the local LAN or across the WAN.

Installing NovaBACKUP Central Management Console

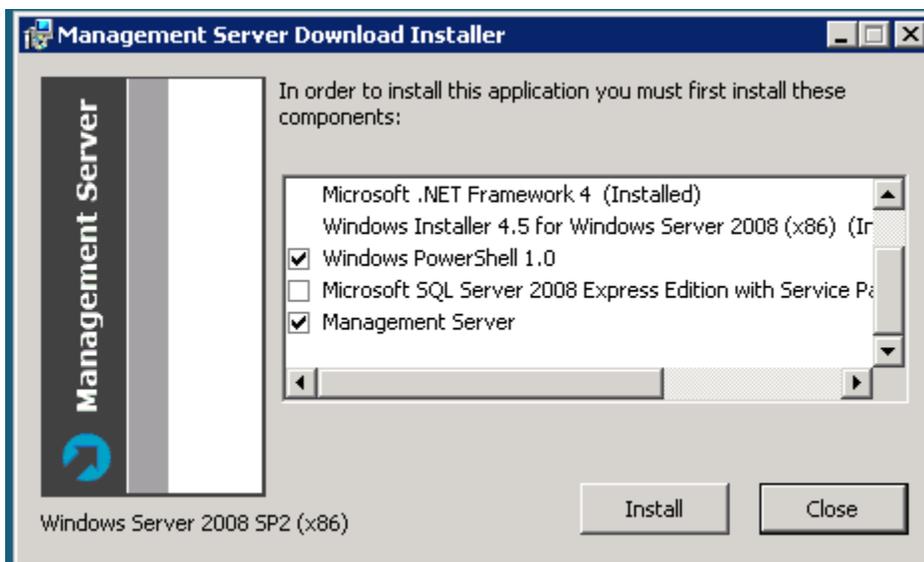
Minimum System Requirements

The minimum requirements are listed below:

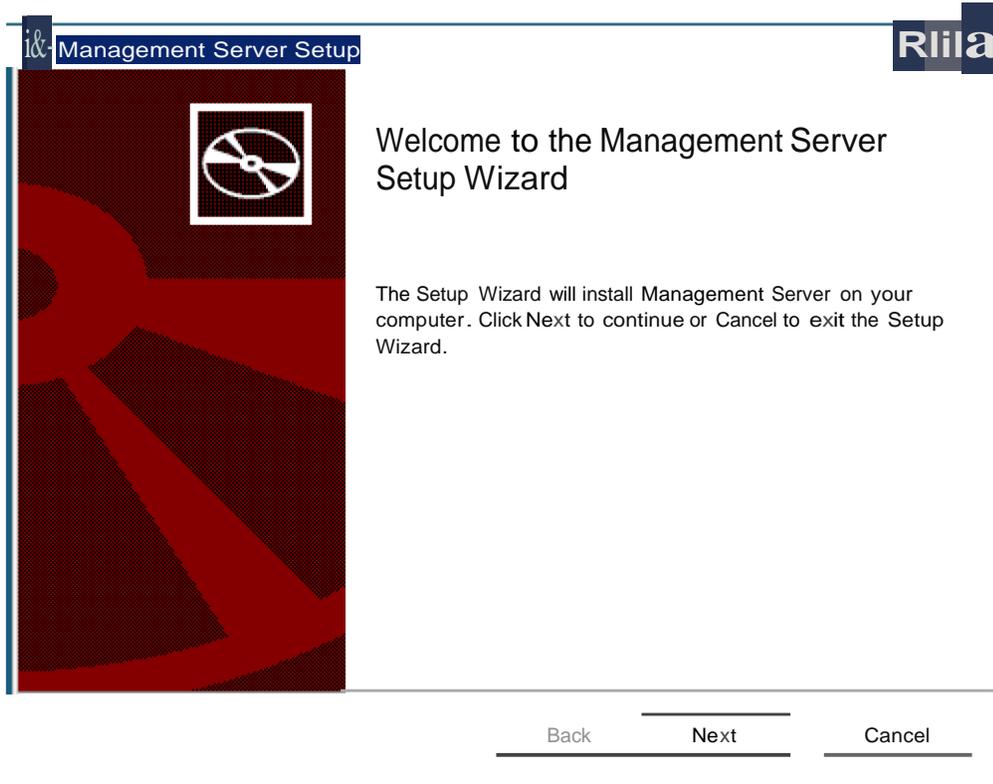
- Microsoft Windows XP SP3 (32 or 64 bit), Microsoft Windows Vista SP2 (32 or 64 bit), Microsoft Windows 2003 Standard/Enterprise SP2 (32 or 64 bit), Microsoft Windows 2008 Standard/Enterprise SP1 (32 or 64 bit), or Microsoft Windows 7 (32 or 64 bit)
- Connectivity to one of the following: Microsoft SQL 2005 SP2+, Microsoft SQL 2008, or the built in SQLite database.
- .NET 3.5 SP1
- .NET 4.0
- Internet Explorer 7.0 or higher
- IIS with IIS 6 compatibility or utilize the built in standalone web server.

Installation

To start installation, click or run the installer executable to begin the installer wizard, the installer will let you know what things you are missing for the prerequisites to install the software. The Microsoft SQL Server 2008 is unchecked because the software is shipped with a SQLite database that is able to handle many agents, but the option to use the Microsoft SQL Server 2008 is there if you decide to utilize it.



After you have all the prerequisites installed the following screen will come up.



Clicking next on that screen will present you with the End-User License Agreement screen which needs to be accepted before continuing.

Management Server Setup


End-User License Agreement

Please read the following license agreement carefully

All Management Server users JIDIST agree to the following terms and conditions before using this software. Please read them carefully.

PERMITTED USES

1. Management Servers licensed for one machine only. If you require additional copies, a site license may be purchased from NovaStor Corporation.

USES NOT PERMITTED

2. You may not transfer this software, electronically or otherwise. All rights reserved. All other rights reserved.

I accept the terms in the License Agreement

Print
Back
Next
Cancel

After accepting the EULA the next screen shows what features will be installed, it is recommended to keep everything with the defaults here unless there is a specific reason you need to change them.

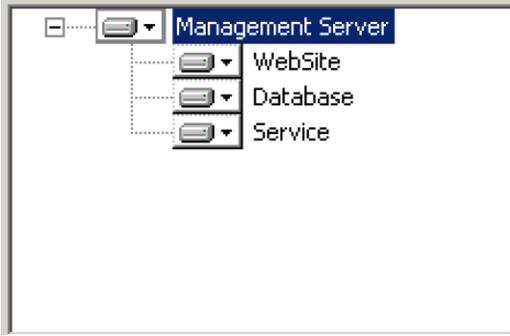
Management Server Setup



Custom Setup

Select the way you want features to be installed.

Click the icons in the tree below to change the way features will be installed.

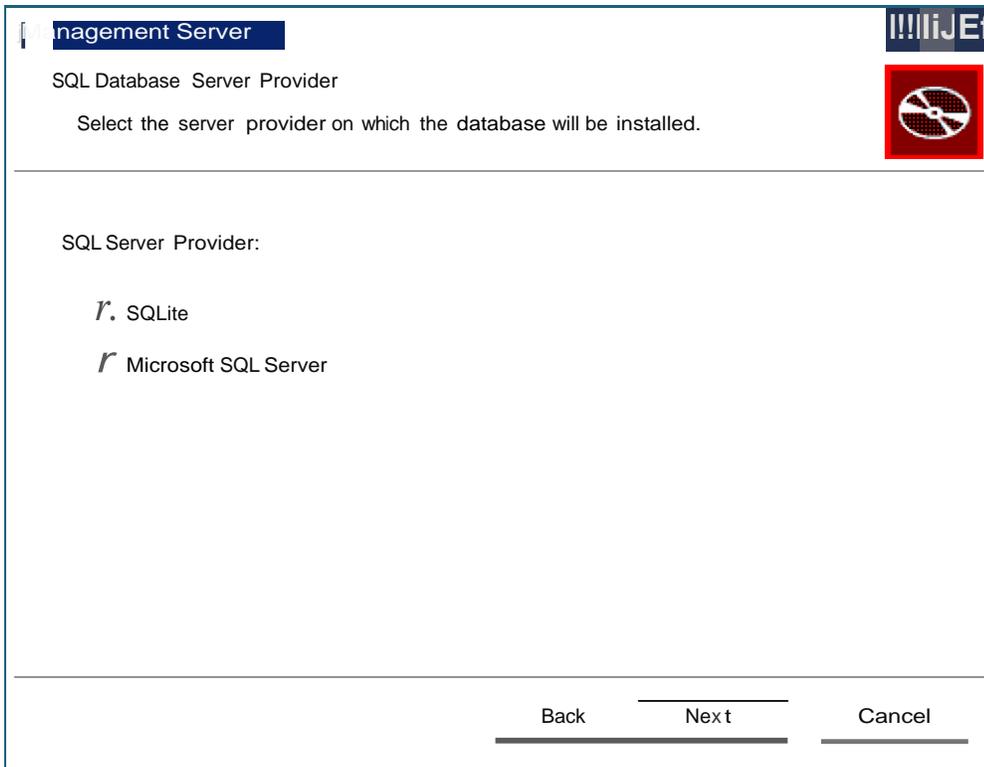


This feature requires 1KB on your hard drive. It has 3 of 3 subfeatures selected. The subfeatures require 8187KB on your hard drive.

Location: C:\Program Files\NovaStor\NovaBACKUP Central Management Console\ Browse...

Reset
Disk Usage
Back
Next
Cancel

The next screen allows you to choose whether or not you are going to use the built in SQLite database or utilize a Microsoft SQL Server. From internal testing, unless you have a larger installation of over 30 agents that you will be controlling the SQLite database works quite well.



The screenshot shows a window titled "Management Server" with a "SQL Database Server Provider" section. Below this section, there is a list of providers: "SQLite" and "Microsoft SQL Server". At the bottom of the window, there are three buttons: "Back", "Next", and "Cancel".

Management Server

SQL Database Server Provider

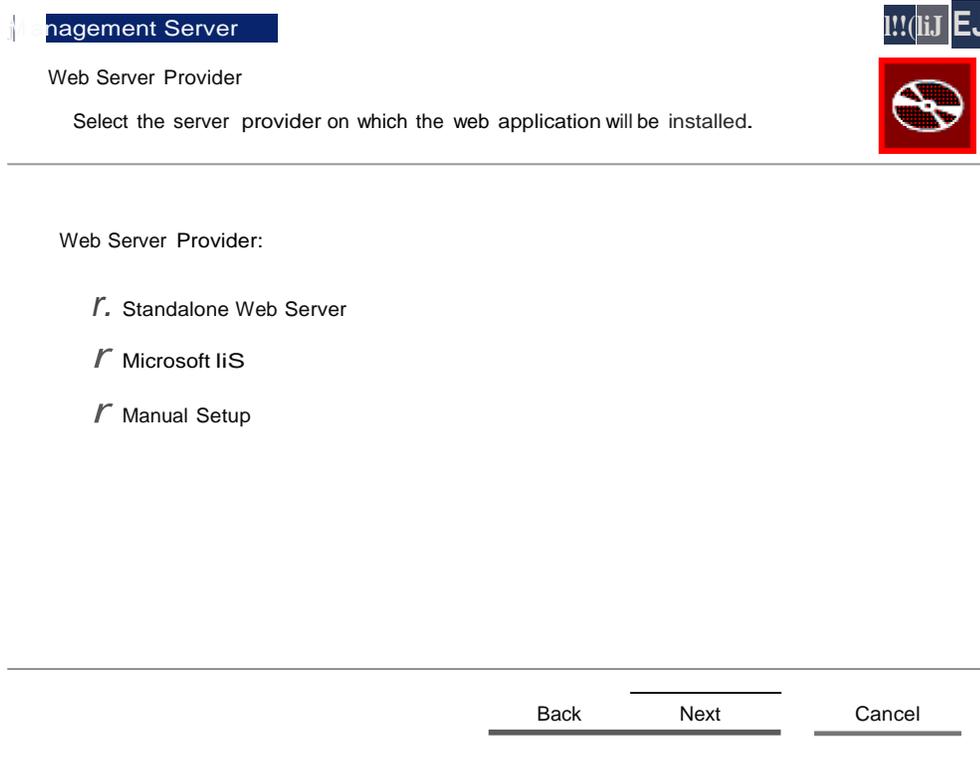
Select the server provider on which the database will be installed.

SQL Server Provider:

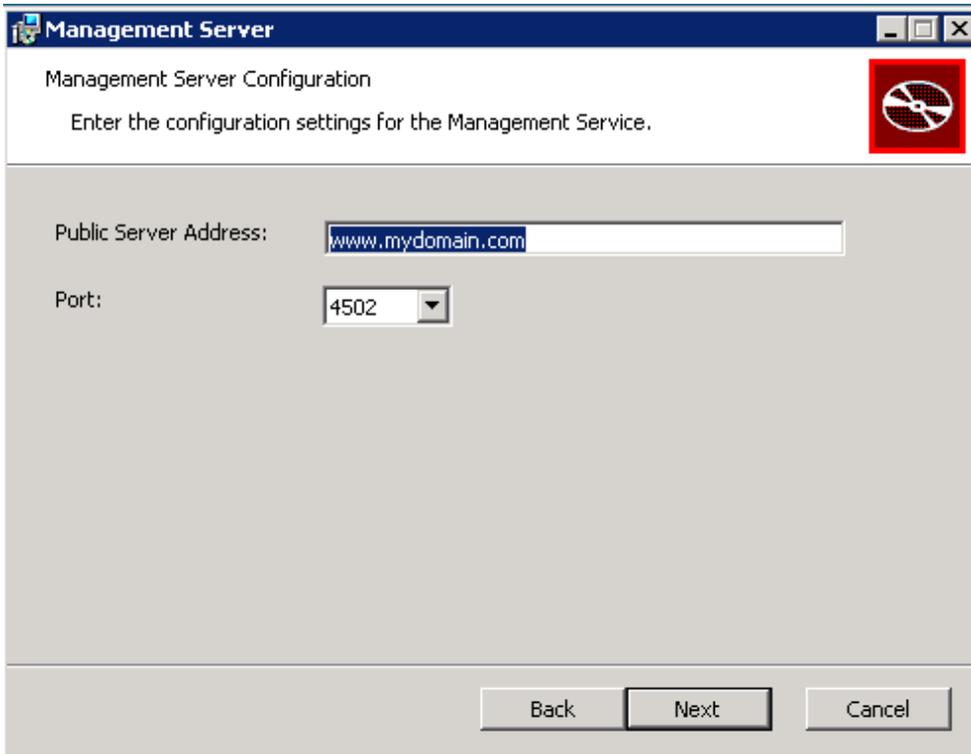
- SQLite
- Microsoft SQL Server

Back Next Cancel

Assuming you choose the SQLite database the next screen you will see is the screen that will ask you where you want to host the web application. If you do not already have IIS installed on your machine, we have found in testing that the standalone web server works very well. If you have IIS installed it is recommended you use it, otherwise you will have a conflict of open ports.



After choosing where you want the web application installed to it is time to configure the web application. The Public Server Address dialog box shown in this screen is the IP, DNS name, or computer name that the NovaBACKUP agents are going to be communicating with. The Port dropdown box contains the available ports that the NovaBACKUP agents can communicate to the CMC on. The computer that hosts the CMC needs to have the port that you choose open on it so the NovaBACKUP agents can communicate with the CMC. The agents themselves do not need to open any incoming ports, but they have to be configured to use the correct port. All agent communication is initiated from the agent so no incoming communication from the CMC is initiate so there should not be much need to deal with firewalls on the NovaBACKUP agents.



The image shows a Windows-style dialog box titled "Management Server". The main content area is titled "Management Server Configuration" and contains the instruction "Enter the configuration settings for the Management Service." Below this, there are two input fields: "Public Server Address:" with a text box containing "www.mydomain.com", and "Port:" with a dropdown menu showing "4502". At the bottom of the dialog, there are three buttons: "Back", "Next", and "Cancel". A red square icon with a white circle and a diagonal line is located in the top right corner of the configuration area.

At this point all the information needed to install the CMC has been gathered and the installer is ready to start installing it.

Management Server Setup



Ready to install Management Server



Click Install to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.

Back Cancel

Management Server Setup

Installing Management Server



Please wait while the Setup Wizard installs Management Server .

Status:



Back

Next

Cancel

Management Server Setup



Completed the Management Server Setup Wizard

Click the Finish button to exit the Setup Wizard.

Start the Management Server Service

Start the Management Web Server

Back

Finish

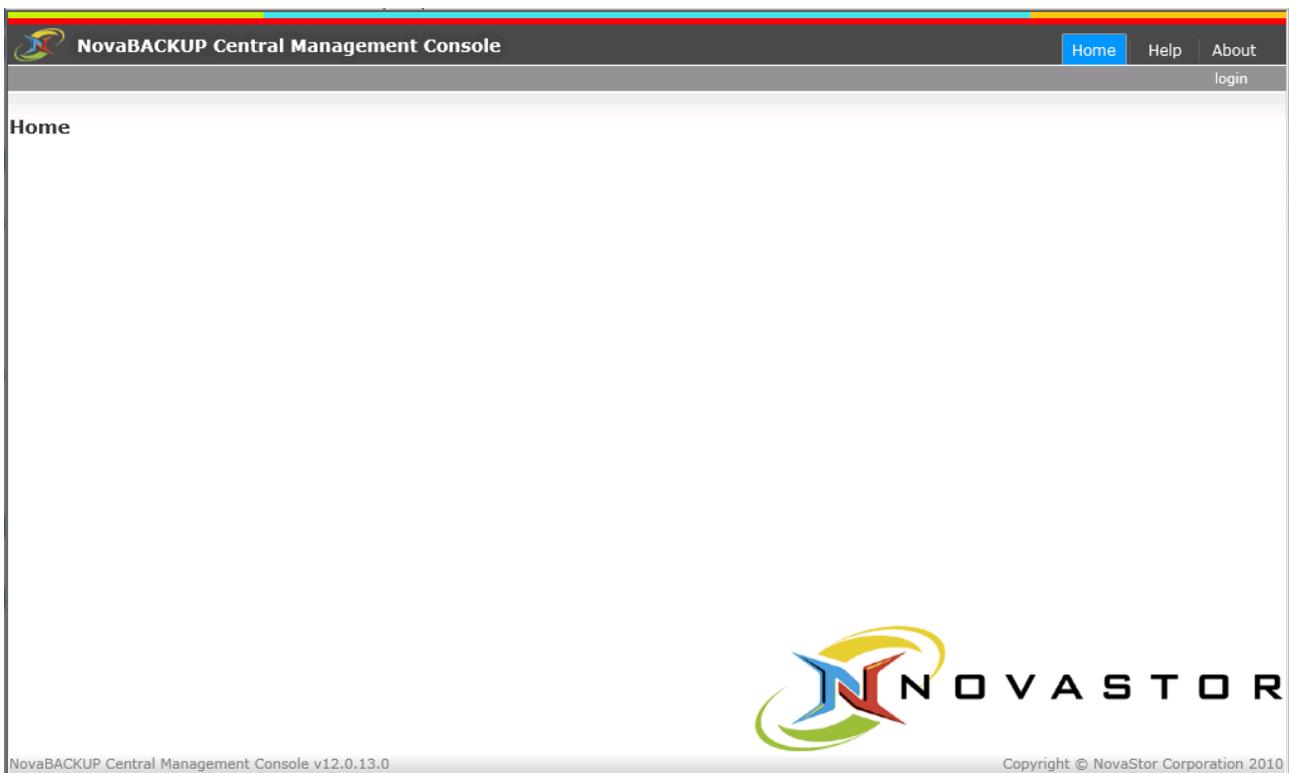
Cancel

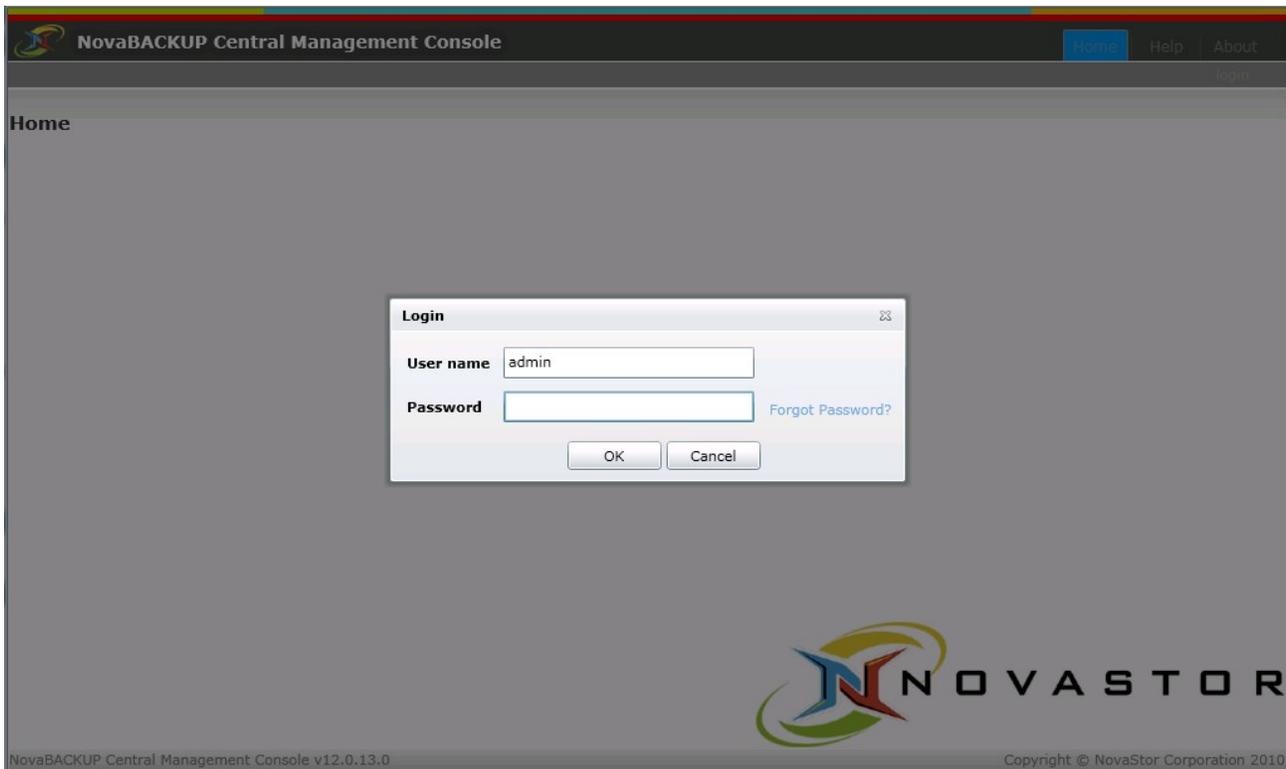
At this point the NovaBACKUP Central Management Console is now installed.

NovaBACKUP Central Management Console Interface

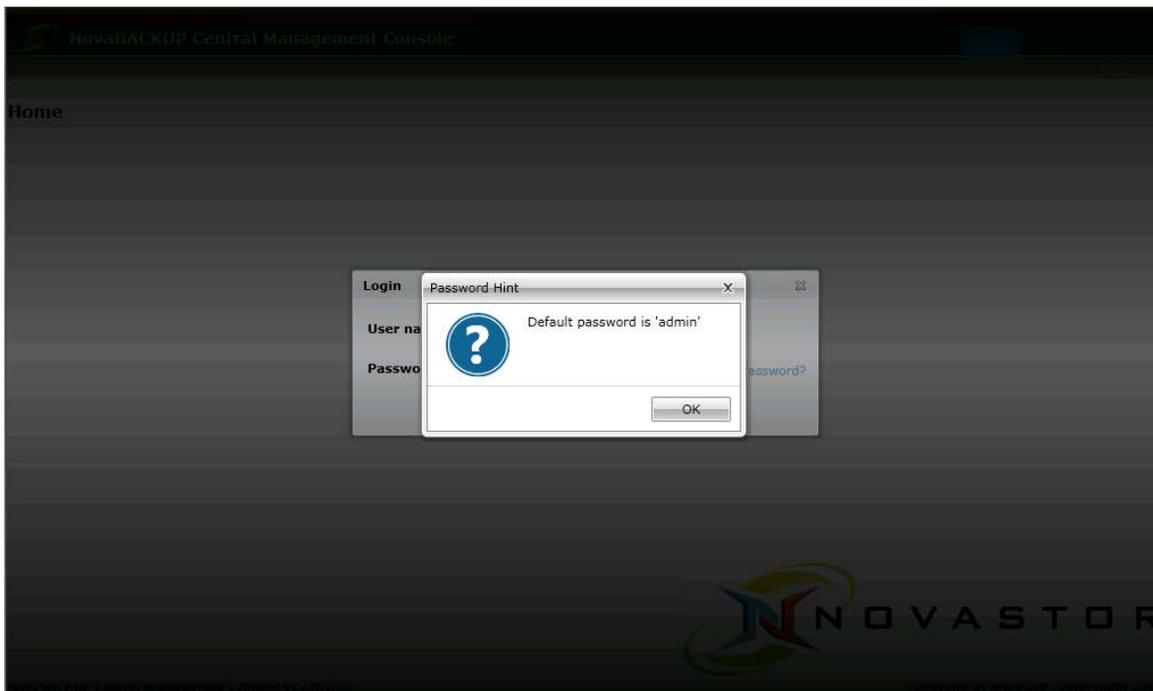
Logging into the NovaBACKUP Central Management Console

The NovaBACKUP Central Management Console (CMC) web interface is your only access point for managing NovaBACKUP CMC. Logging into the CMC is as simple as opening a web browser that supports Silverlight, and browsing to the IP, DNS name, or computer name that you configured in the installation. Once you get to that point you will want to click on the login link in the upper right hand corner of the web application. If the login link is not there, this means that either the management service is not started or there is not a valid license in the CMC.

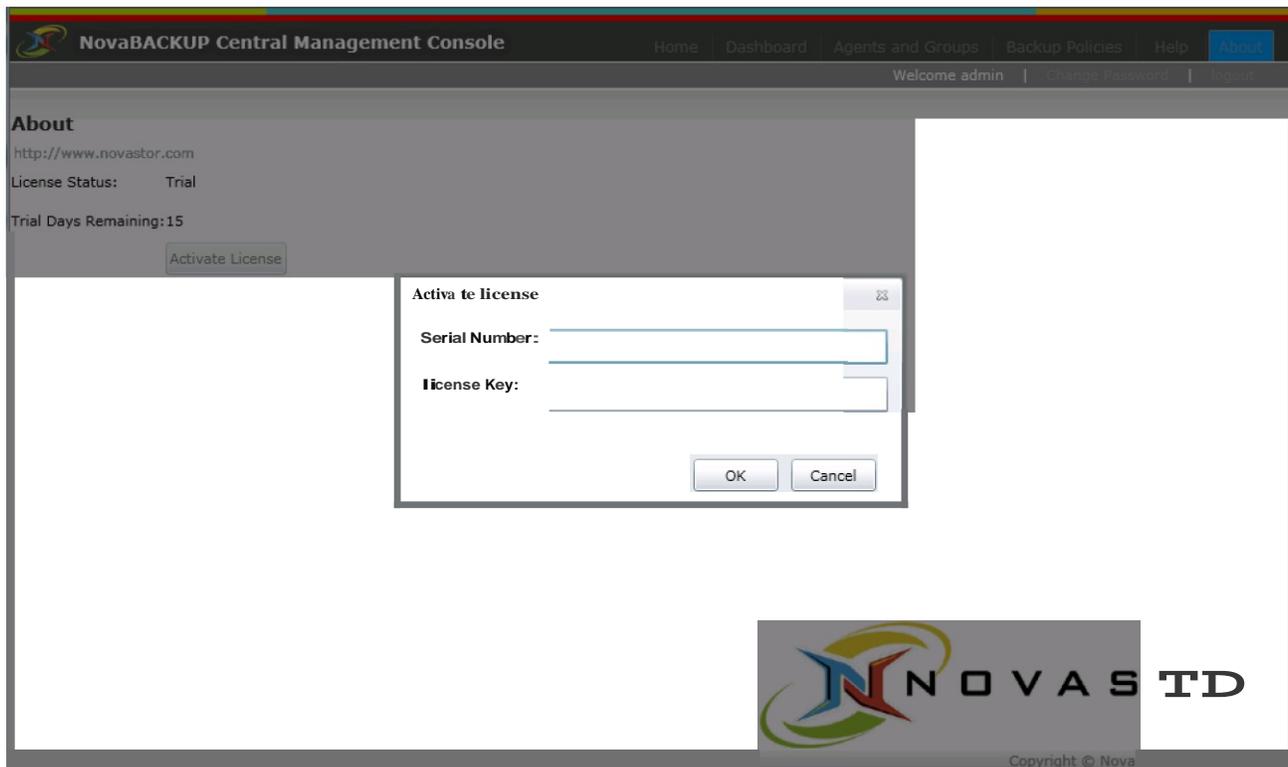




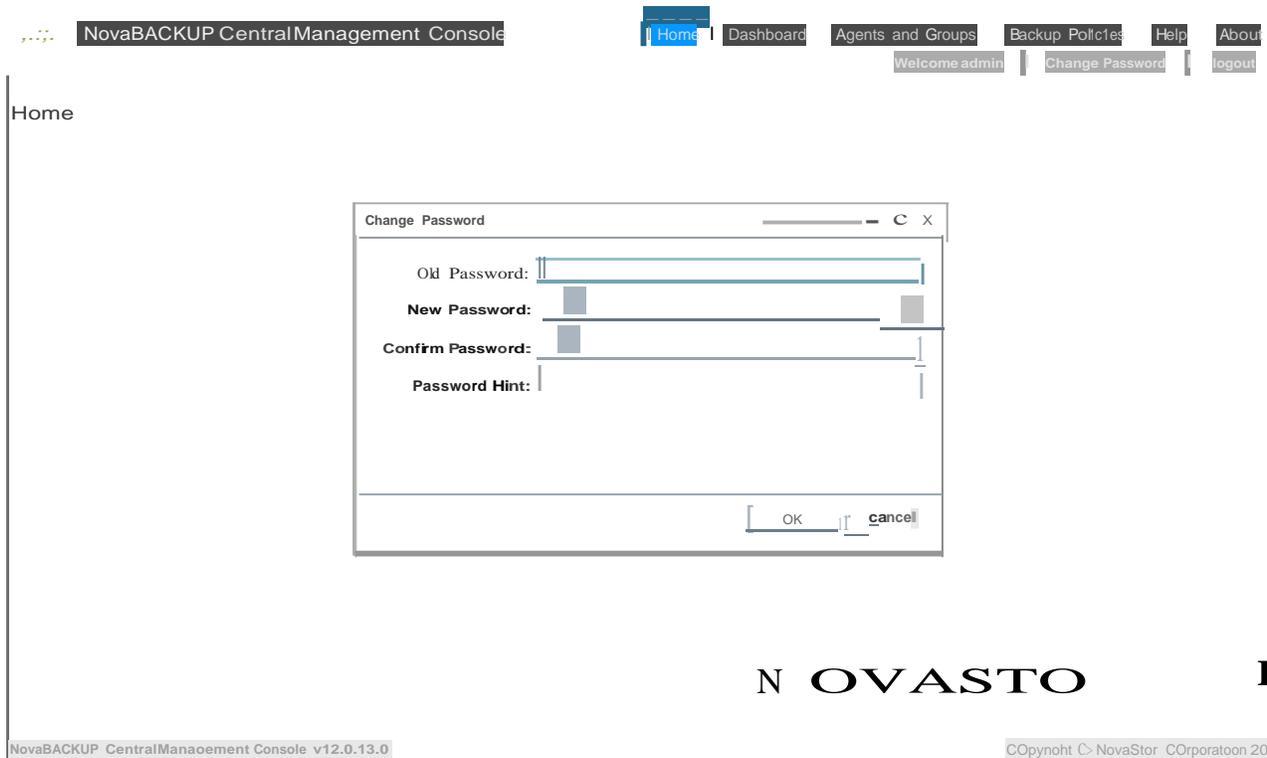
The default login username is **admin** with a password of **admin**, which you can also get if you click on the forgot password link.



Once logged in, it is recommended you put in your license in the About section of the CMC.



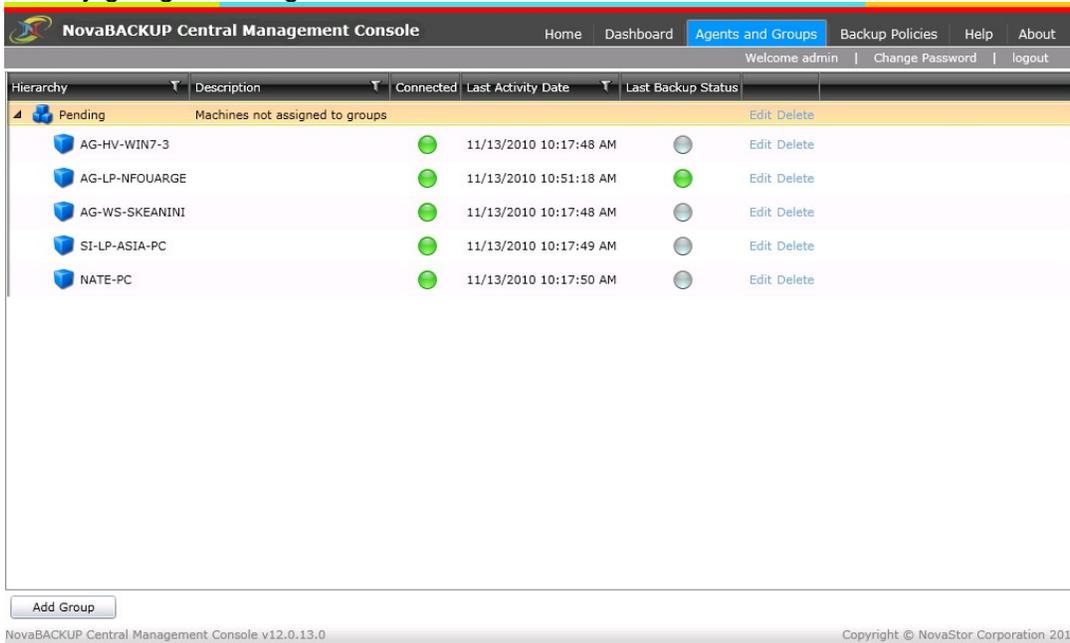
The password and password hint can be changed by clicking on the Change Password link in the upper right hand corner of the web application.



N OVASTO R

Agents and Groups

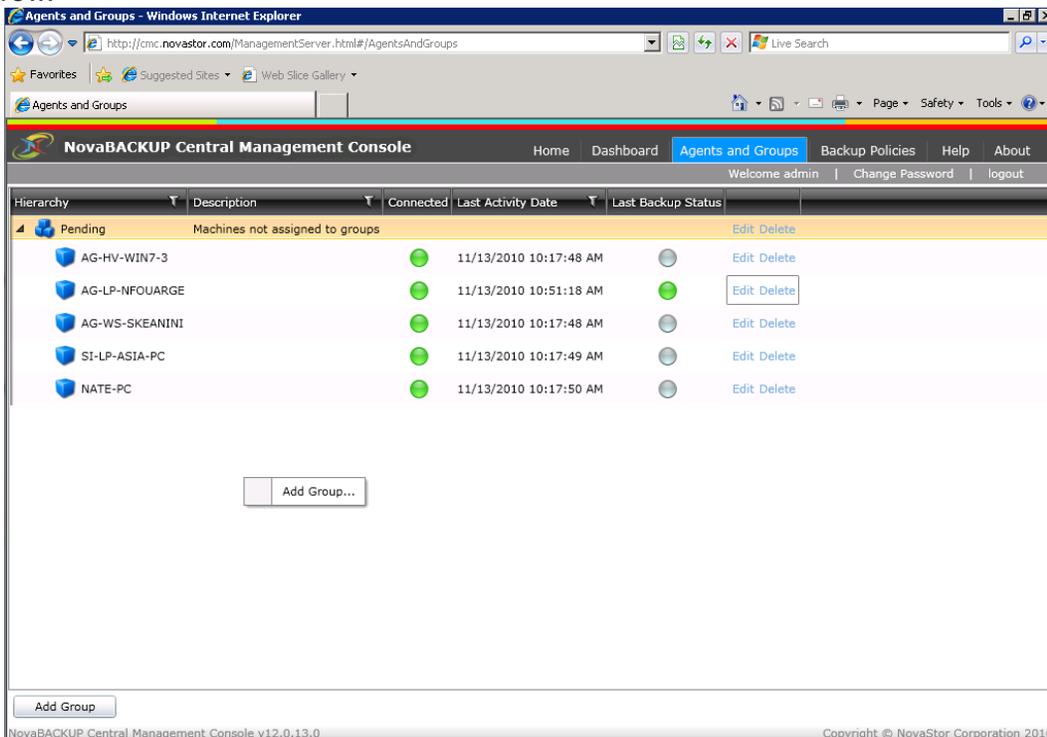
After you have entered in your license it is time to start configuring the CMC. It is suggested you start by going to the Agents tab of the CMC. It is suggested you start by going to the Agents tab of the CMC.



Hierarchy	Description	Connected	Last Activity Date	Last Backup Status
▲ Pending	Machines not assigned to groups			Edit Delete
▲ AG-HV-WIN7-3		●	11/13/2010 10:17:48 AM	● Edit Delete
▲ AG-LP-NFOUARGE		●	11/13/2010 10:51:18 AM	● Edit Delete
▲ AG-WS-SKEANINI		●	11/13/2010 10:17:48 AM	● Edit Delete
▲ SI-LP-ASIA-PC		●	11/13/2010 10:17:49 AM	● Edit Delete
▲ NATE-PC		●	11/13/2010 10:17:50 AM	● Edit Delete

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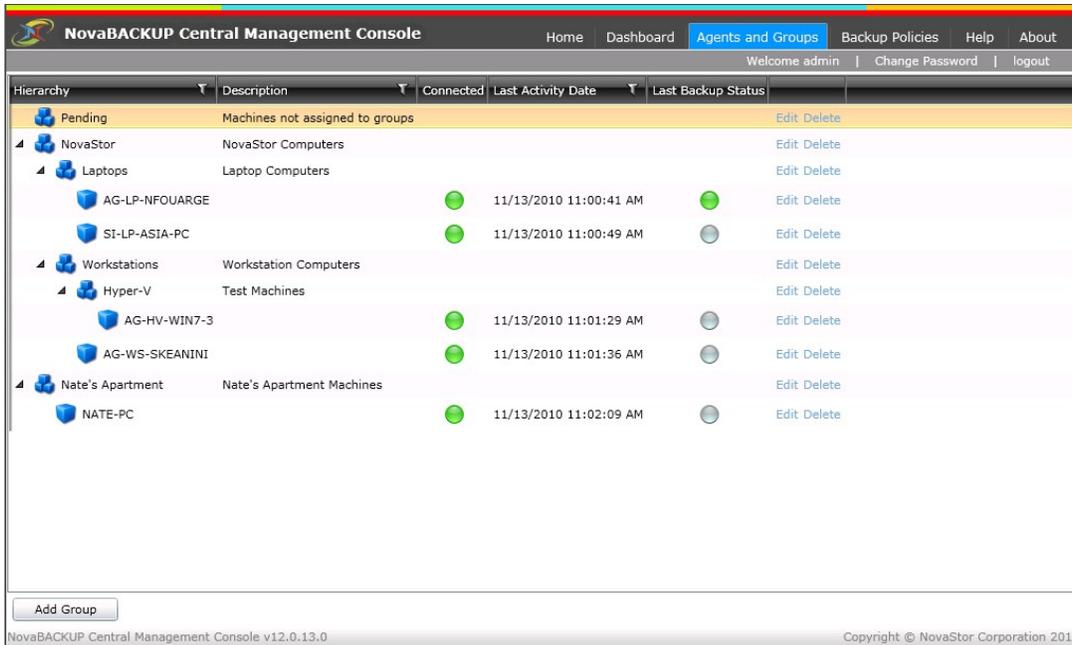
You can add groups and subgroups by either clicking the add group or right clicking in an empty row.



Hierarchy	Description	Connected	Last Activity Date	Last Backup Status
▲ Pending	Machines not assigned to groups			Edit Delete
▲ AG-HV-WIN7-3		●	11/13/2010 10:17:48 AM	● Edit Delete
▲ AG-LP-NFOUARGE		●	11/13/2010 10:51:18 AM	● Edit Delete
▲ AG-WS-SKEANINI		●	11/13/2010 10:17:48 AM	● Edit Delete
▲ SI-LP-ASIA-PC		●	11/13/2010 10:17:49 AM	● Edit Delete
▲ NATE-PC		●	11/13/2010 10:17:50 AM	● Edit Delete

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Like the example below you can have a very complex hierarchy if you want to. Subgroups and agents inherit the backup policies that are defined in their parent group, but there is the ability to edit the inherited backup policy.



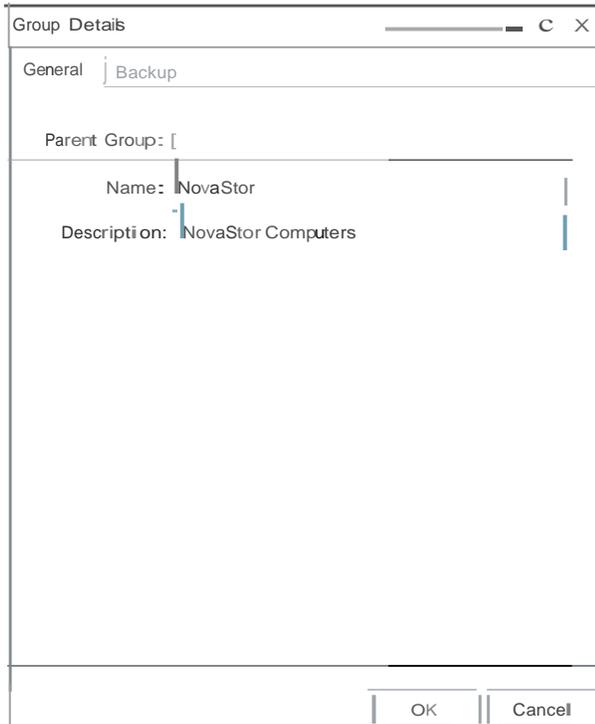
The screenshot shows the NovaBACKUP Central Management Console interface. The main window displays a table of agents and groups with the following columns: Hierarchy, Description, Connected, Last Activity Date, and Last Backup Status. The hierarchy is as follows:

- Pending: Machines not assigned to groups
- NovaStor: NovaStor Computers
 - Laptops: Laptop Computers
 - AG-LP-NFOUARGE: Connected, Last Activity Date: 11/13/2010 11:00:41 AM, Last Backup Status: Green
 - SI-LP-ASIA-PC: Connected, Last Activity Date: 11/13/2010 11:00:49 AM, Last Backup Status: Grey
 - Workstations: Workstation Computers
 - Hyper-V: Test Machines
 - AG-HV-WIN7-3: Connected, Last Activity Date: 11/13/2010 11:01:29 AM, Last Backup Status: Grey
 - AG-WS-SKEANINI: Connected, Last Activity Date: 11/13/2010 11:01:36 AM, Last Backup Status: Grey
- Nate's Apartment: Nate's Apartment Machines
 - NATE-PC: Connected, Last Activity Date: 11/13/2010 11:02:09 AM, Last Backup Status: Grey

At the bottom left, there is an "Add Group" button. The footer shows "NovaBACKUP Central Management Console v12.0.13.0" and "Copyright © NovaStor Corporation 2010".

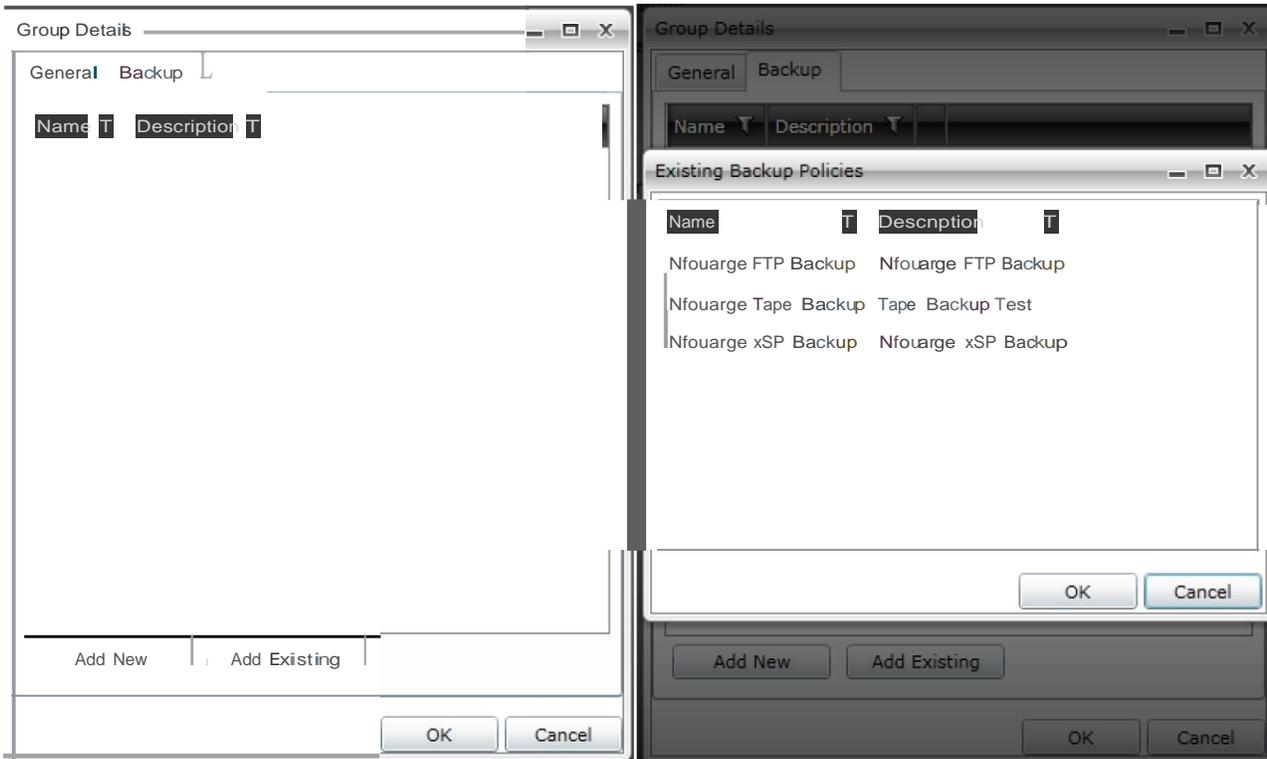
Groups

When defining a group you can define the parent group and the name of the group along with a description.

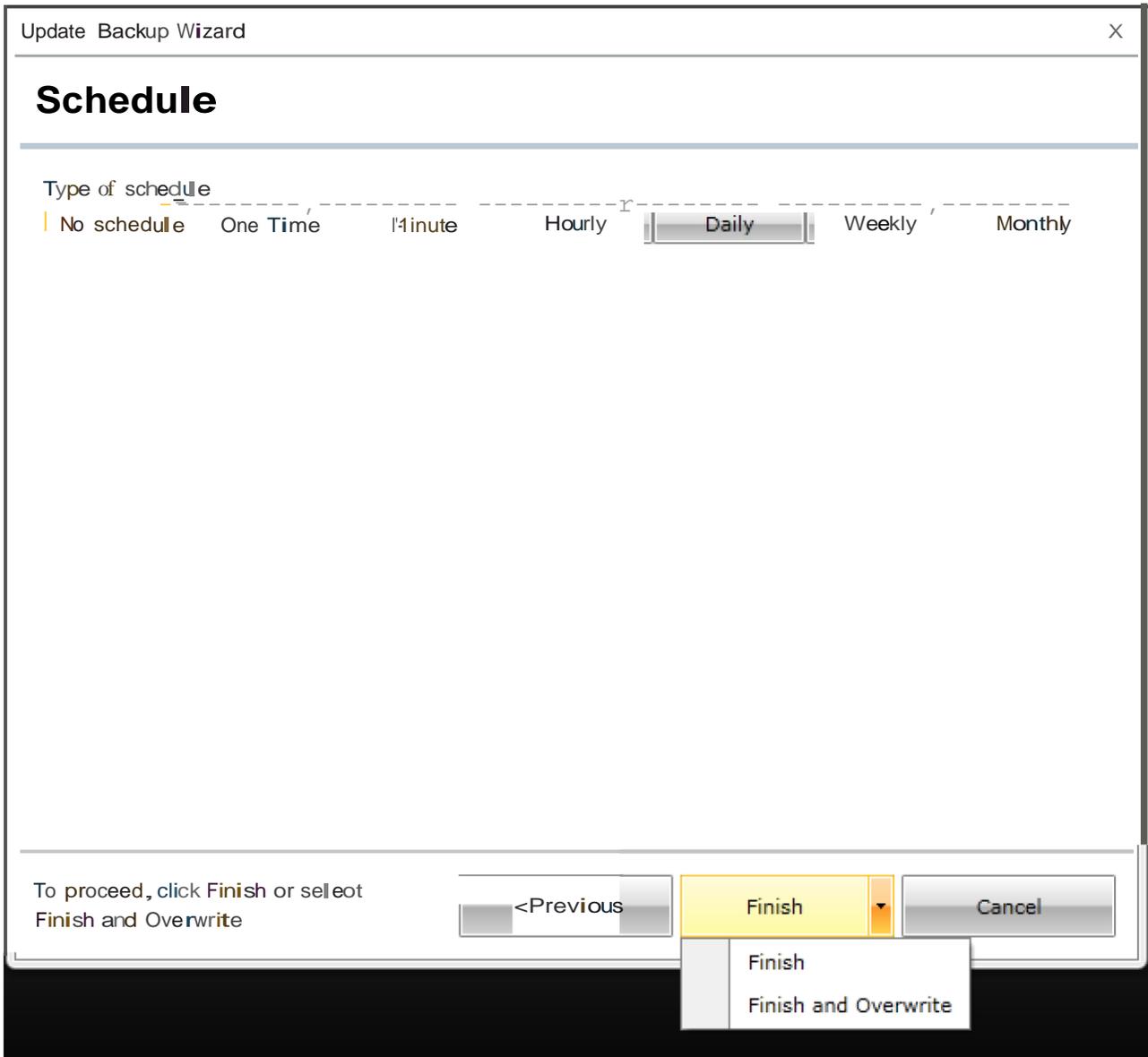


The screenshot shows a dialog box titled "Group Details" with a standard Windows-style title bar (minimize, maximize, close buttons). The dialog has two tabs: "General" (selected) and "Backup". Under the "General" tab, there is a "Parent Group:" label followed by a dropdown menu. Below this, there are two text input fields: "Name:" with the value "NovaStor" and "Description:" with the value "NovaStor Computers". At the bottom of the dialog, there are two buttons: "OK" and "Cancel".

The Backup tab in the group properties is where you can either add an existing backup policy or create a new backup policy for the group.

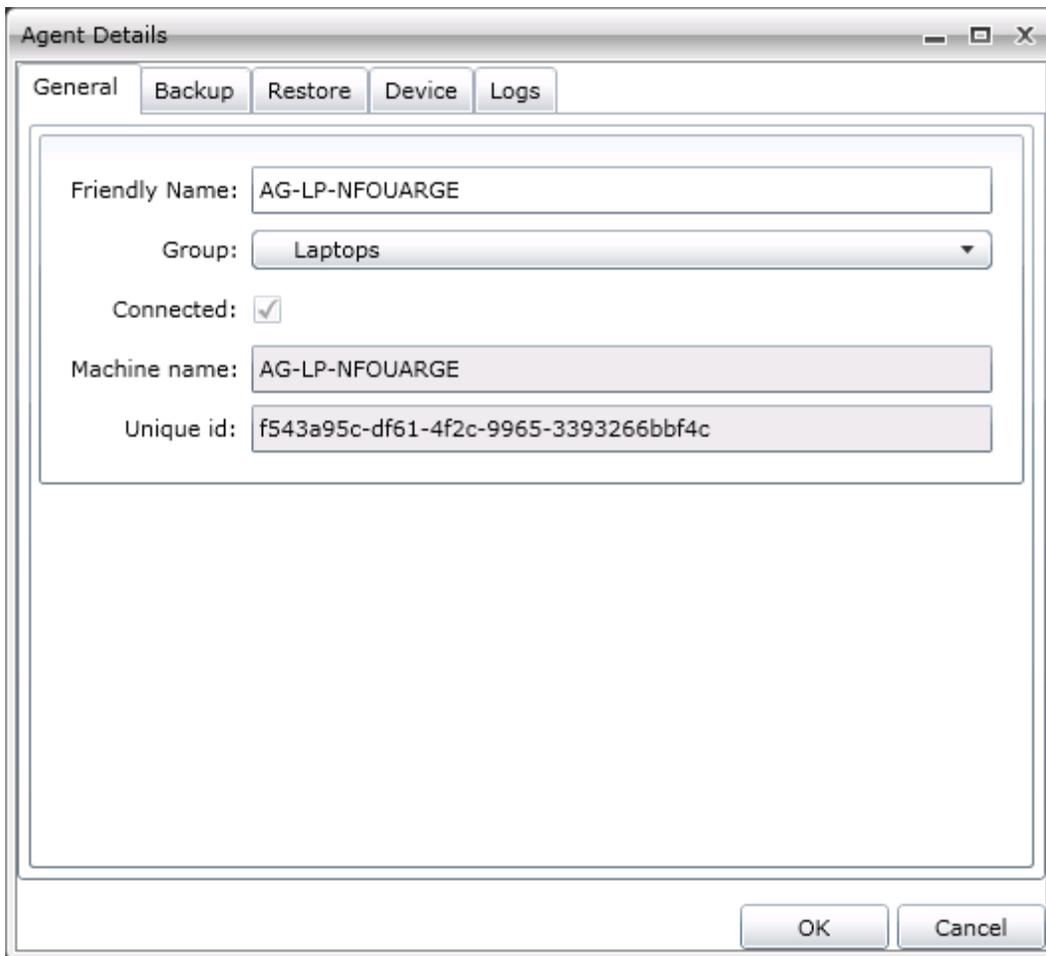


When changing a backup policy that has been applied to a group and the group has agents underneath it there is the possibility that edits may have been done to the group backup policy that are on certain agents. That is why when you finish editing your group backup policy there is a choice to just finish and not overwrite any backup policies that are on agents that have been edited and the other option is to overwrite the changes that may have been done on the agent level.



Agents

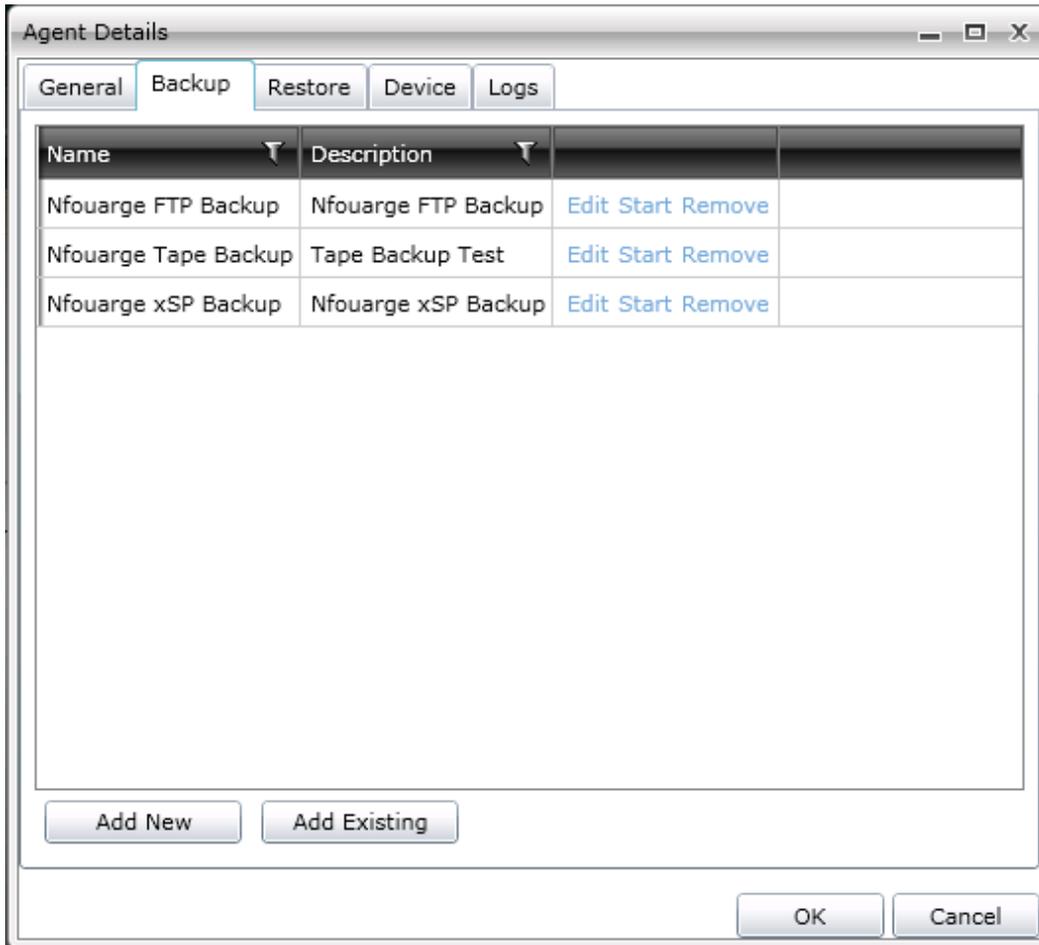
What are referred to in the CMC as agents are really computers that have NovaBACKUP installed on them which are pointed to the CMC for management. The general tab of the properties of an agent will give a unique identifier along with the computer name. The name of the agent is configurable. The group that the agent belongs to is also configurable. When a new agent connects to the CMC the agent is put into the Pending group automatically.



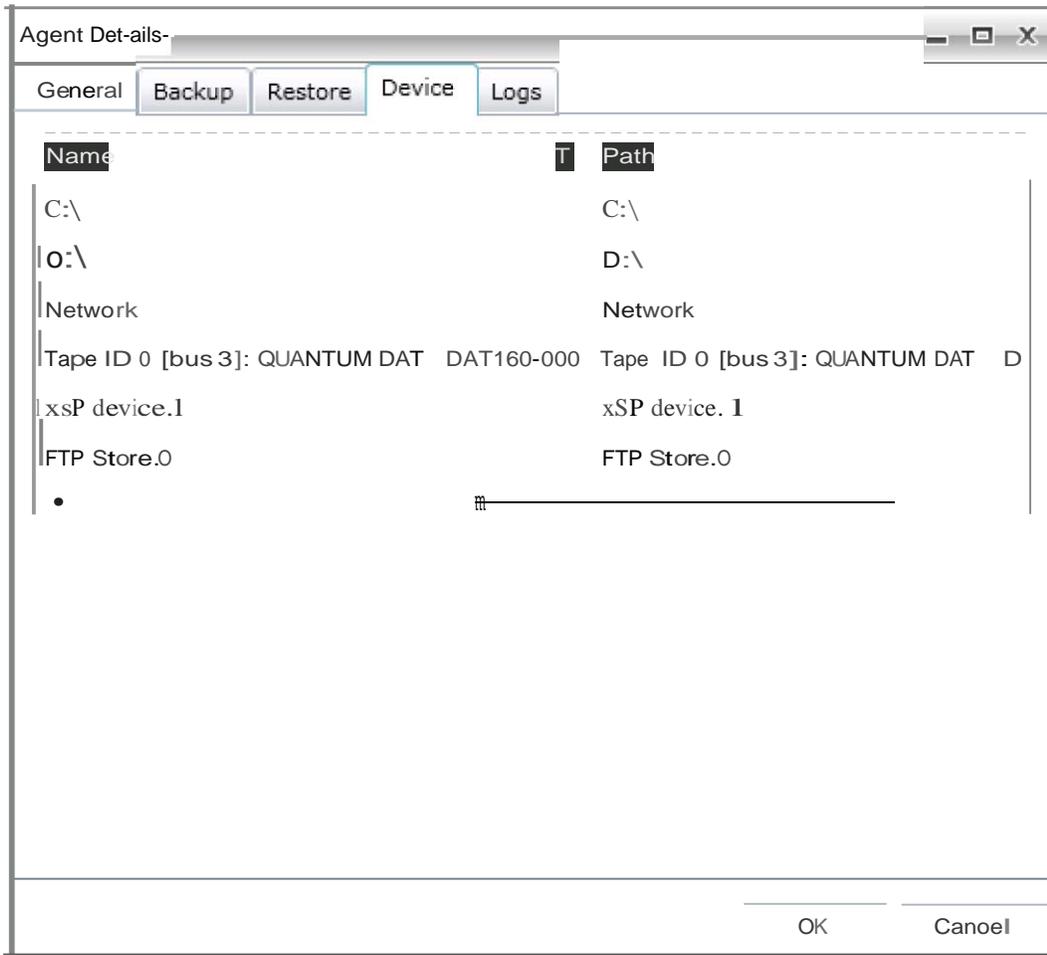
The image shows a screenshot of the 'Agent Details' dialog box in the NovaBACKUP Central Management Console. The dialog has a title bar with 'Agent Details' and standard window controls. Below the title bar are five tabs: 'General', 'Backup', 'Restore', 'Device', and 'Logs'. The 'General' tab is selected. The main area contains several fields: 'Friendly Name' with the value 'AG-LP-NFOUARGE', 'Group' with a dropdown menu showing 'Laptops', 'Connected' with a checked checkbox, 'Machine name' with the value 'AG-LP-NFOUARGE', and 'Unique id' with the value 'f543a95c-df61-4f2c-9965-3393266bbf4c'. At the bottom right are 'OK' and 'Cancel' buttons.

Friendly Name:	AG-LP-NFOUARGE
Group:	Laptops
Connected:	<input checked="" type="checkbox"/>
Machine name:	AG-LP-NFOUARGE
Unique id:	f543a95c-df61-4f2c-9965-3393266bbf4c

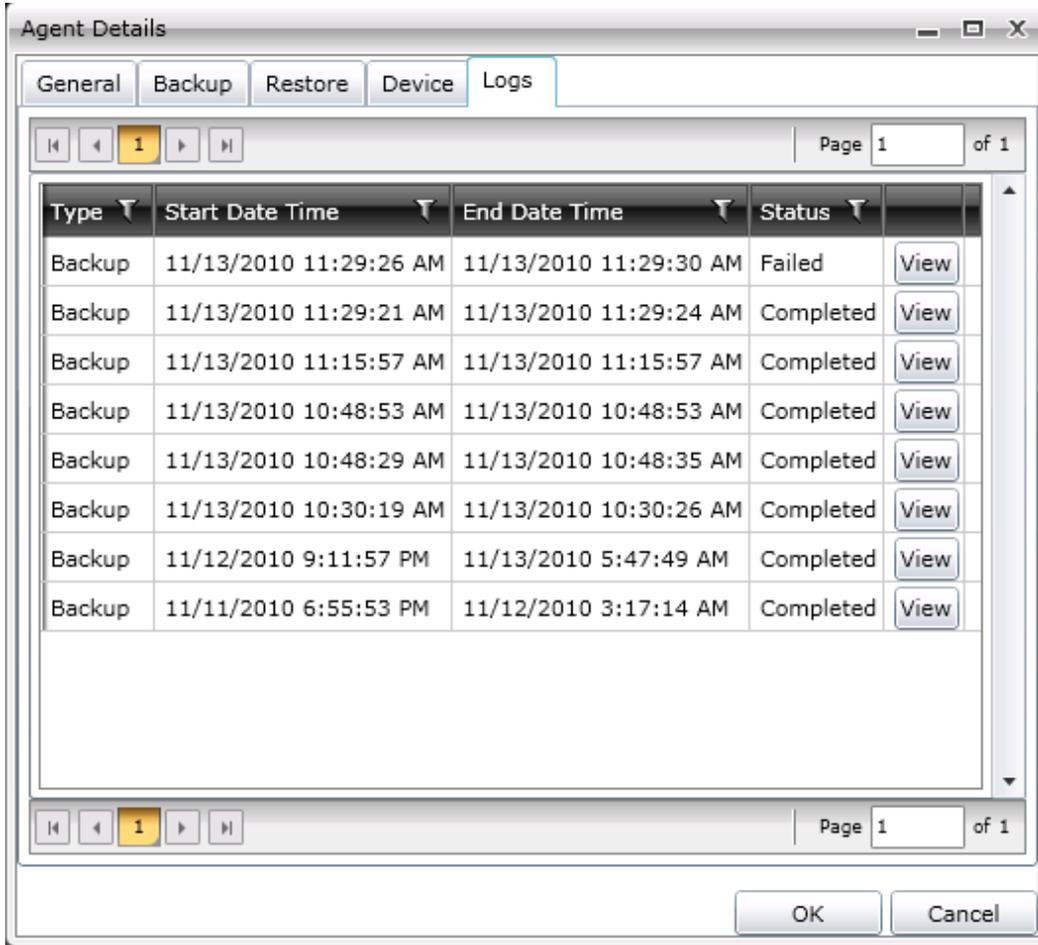
The Backup tab shows what backup policies are applied to the agent, including all agent specific backup policies and group level backup policies. Just like on the group level the ability to add new backup policies or add existing backup policies is available in this view. Group level backup policies cannot be deleted but they can be edited, but agent specific backup policies can be removed. The ability to start a backup or stop a currently backup that is going is also available in this view. The start or stop option is only available if the agent is online.



The device tab will show all the devices that are addressable to the NovaBACKUP agent if the agent is online.



The log tab will always be available no matter if the agent is online or not. The logs themselves that are available in this view are stored in the database. The log file limit is 30MB, so in certain extreme cases a full detailed log will not be available here if you have the logging set to detailed logging. You are able to either double click on the log entry or press the view button to open a log.



Agent Details

General Backup Restore Device **Logs**

Page 1 of 1

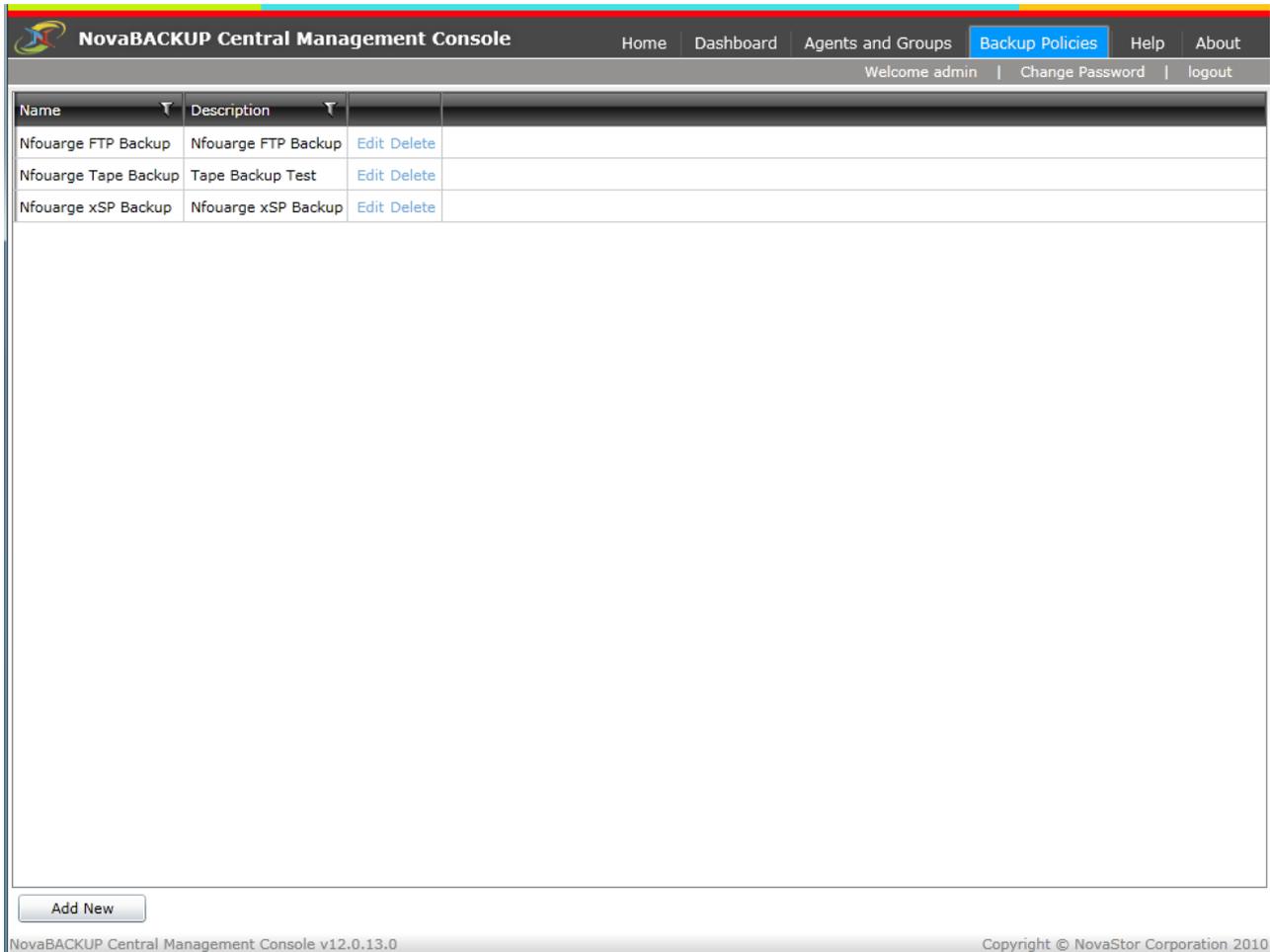
Type	Start Date Time	End Date Time	Status	
Backup	11/13/2010 11:29:26 AM	11/13/2010 11:29:30 AM	Failed	View
Backup	11/13/2010 11:29:21 AM	11/13/2010 11:29:24 AM	Completed	View
Backup	11/13/2010 11:15:57 AM	11/13/2010 11:15:57 AM	Completed	View
Backup	11/13/2010 10:48:53 AM	11/13/2010 10:48:53 AM	Completed	View
Backup	11/13/2010 10:48:29 AM	11/13/2010 10:48:35 AM	Completed	View
Backup	11/13/2010 10:30:19 AM	11/13/2010 10:30:26 AM	Completed	View
Backup	11/12/2010 9:11:57 PM	11/13/2010 5:47:49 AM	Completed	View
Backup	11/11/2010 6:55:53 PM	11/12/2010 3:17:14 AM	Completed	View

Page 1 of 1

OK Cancel

Backup Policies

Backup policies in the CMC are where backup jobs and schedules are defined. A backup job is tied to a schedule and all the settings that go along with it. They can either be applied to a group or on a specific agent.

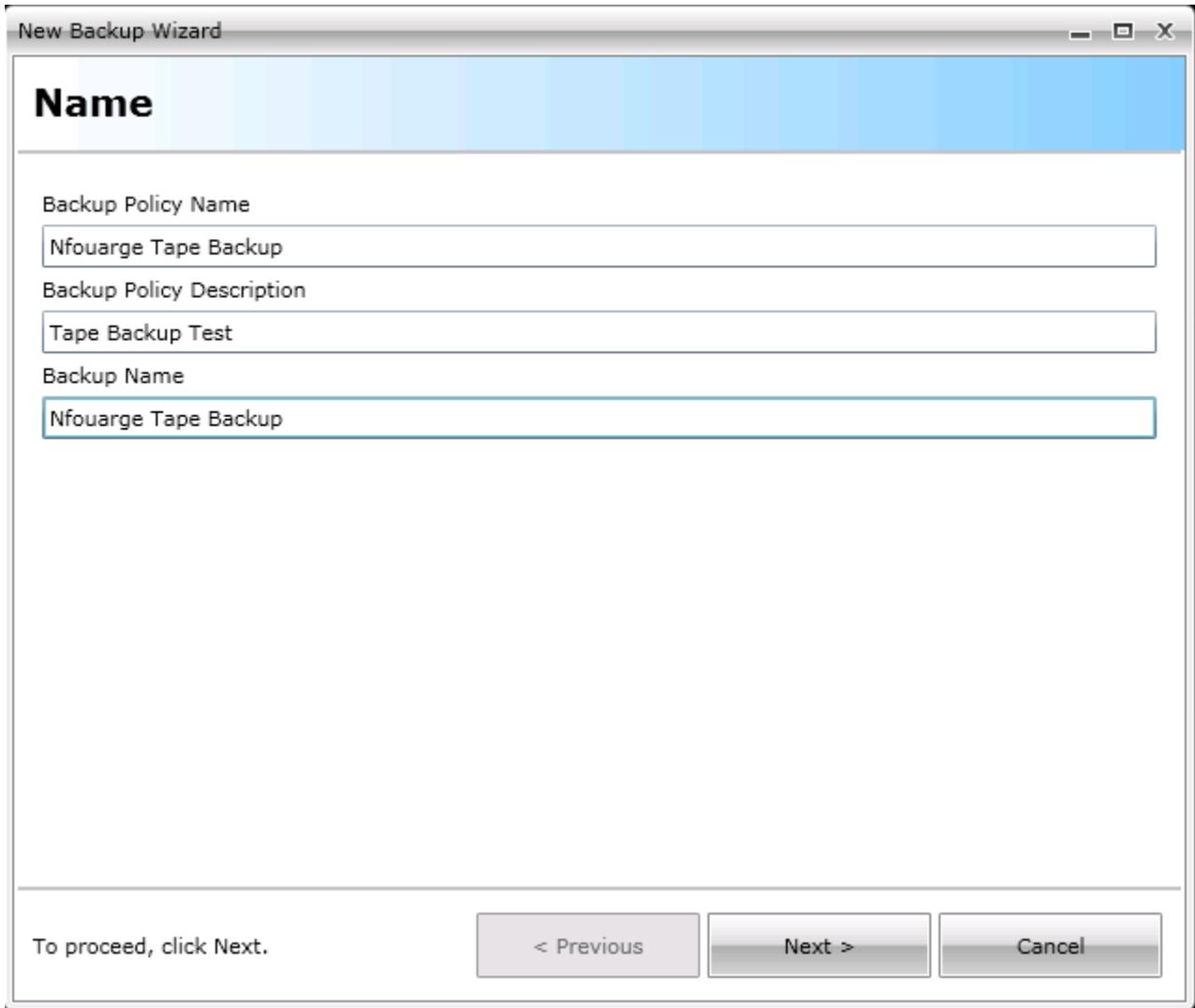


Name	Description	
Nfouarge FTP Backup	Nfouarge FTP Backup	Edit Delete
Nfouarge Tape Backup	Tape Backup Test	Edit Delete
Nfouarge xSP Backup	Nfouarge xSP Backup	Edit Delete

[Add New](#)

NovaBACKUP Central Management Console v12.0.13.0 Copyright © NovaStor Corporation 2010

The first step to configuring a backup policy is to name the policy, this is the policy name that will be seen in the backup tab in the agent level, group level, and the backup policy tab. The Backup Name is the name that will be used in logs and for the backup media session.



New Backup Wizard

Name

Backup Policy Name
Nfouarge Tape Backup

Backup Policy Description
Tape Backup Test

Backup Name
Nfouarge Tape Backup

To proceed, click Next.

< Previous Next > Cancel

The next step to create a backup policy is to choose what to backup. This can include a custom selection or manually selecting files or plug-ins directly from the client.

New Backup Wizard

Source

Global Custom Selection

I.V	Documents	All Word, Excel, PowerPoint, Text and PDF Documents on the C drive	
U	Music	All Music Files on the C drive	View Delete
C	Video	All Video Files on the C drive	View Delete
O	Photos	All Bitmap Images, Pictures, and Photo Files on the C drive	View Delete
O	Email	All Outlook Email Files on the C drive	View Delete
U	C:	All files on the C drive	View Delete

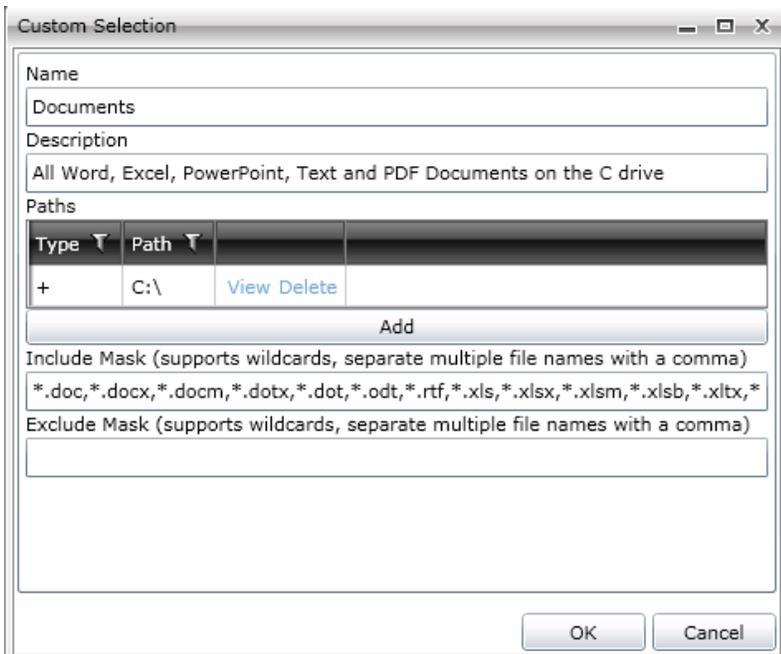
Add

Let me select items manually

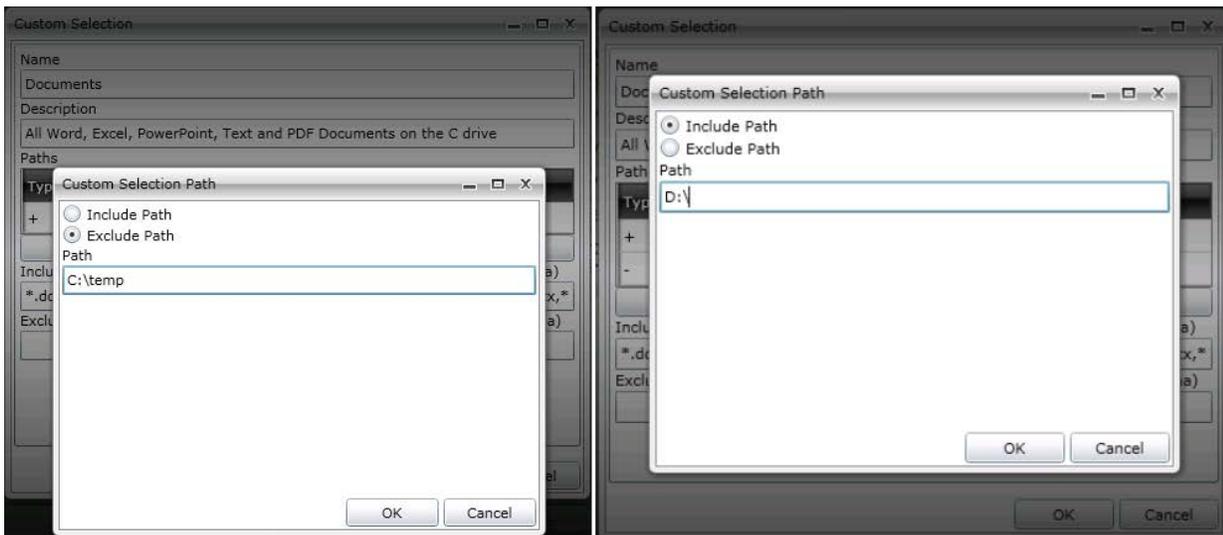
To proceed, click Next.

Next >

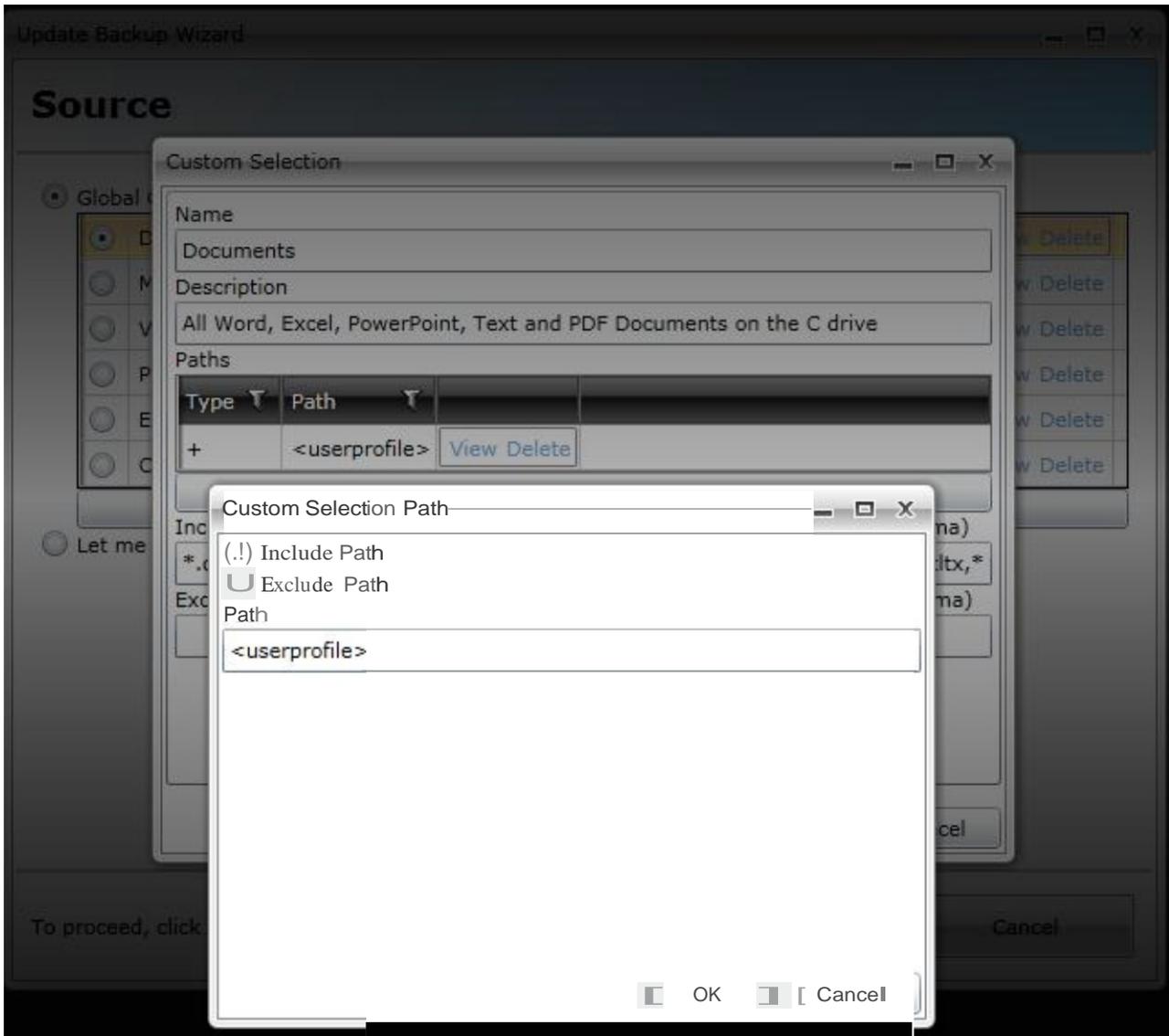
Global Custom Selections are global across the entire CMC, so if one of them is edited and another agent or group is using that custom selection in their backup policy that backup policy will use the newly edited custom selection.



The ability to customize the custom selection includes any file masks and what folders to include or exclude.



The custom selections can also include Windows environment variables put in the form of <env variable> such as the below example using the environment variable %userprofile%.



The other option that is available, if and only if you are creating a backup policy for a specific user, is to manually select the files that are needed to be backed up. This can include System State, Exchange, SQL, or VMware plug-ins along with normal files.

New Backup-Wizard

Select Items To Backup

Click on an item on the left to view its contents on the right. Click on the checkbox next to the drive, folder, or file that you want to include in the backup job.

	Name	Size	Type	Modified
<input type="checkbox"/> C:\	<input type="checkbox"/> \$Recycle.Bin		Folder	1/13/2012
<input type="checkbox"/> D:\	<input type="checkbox"/> %ATI%\$		Folder	1/4/2012
<input type="checkbox"/> E:\	<input type="checkbox"/> archive_db		Folder	3/19/2012
<input type="checkbox"/> F:\	<input type="checkbox"/> AWS keys		Folder	2/23/2012
<input type="checkbox"/> System State	<input type="checkbox"/> BucketExplorer64-jre-2009100201		Folder	11/2/2011
<input type="checkbox"/> Network	<input type="checkbox"/> Config. l4si		Folder	11/1/2011
	<input type="checkbox"/> customization		Folder	1/25/2012
	<input type="checkbox"/> Documents and Settings		Folder	7/13/2011
	<input type="checkbox"/> DRModule		Folder	6/1/2011
	<input type="checkbox"/> Final v12		Folder	11/3/2011
	<input type="checkbox"/> Goldmine		Folder	3/26/2012

To proceed, click Next.

<Previous Cancel

Next>

After the backup selections have been made it is time to tell the backup policy where to back up the selections to.

New Backup Wizard EJ X

Destination

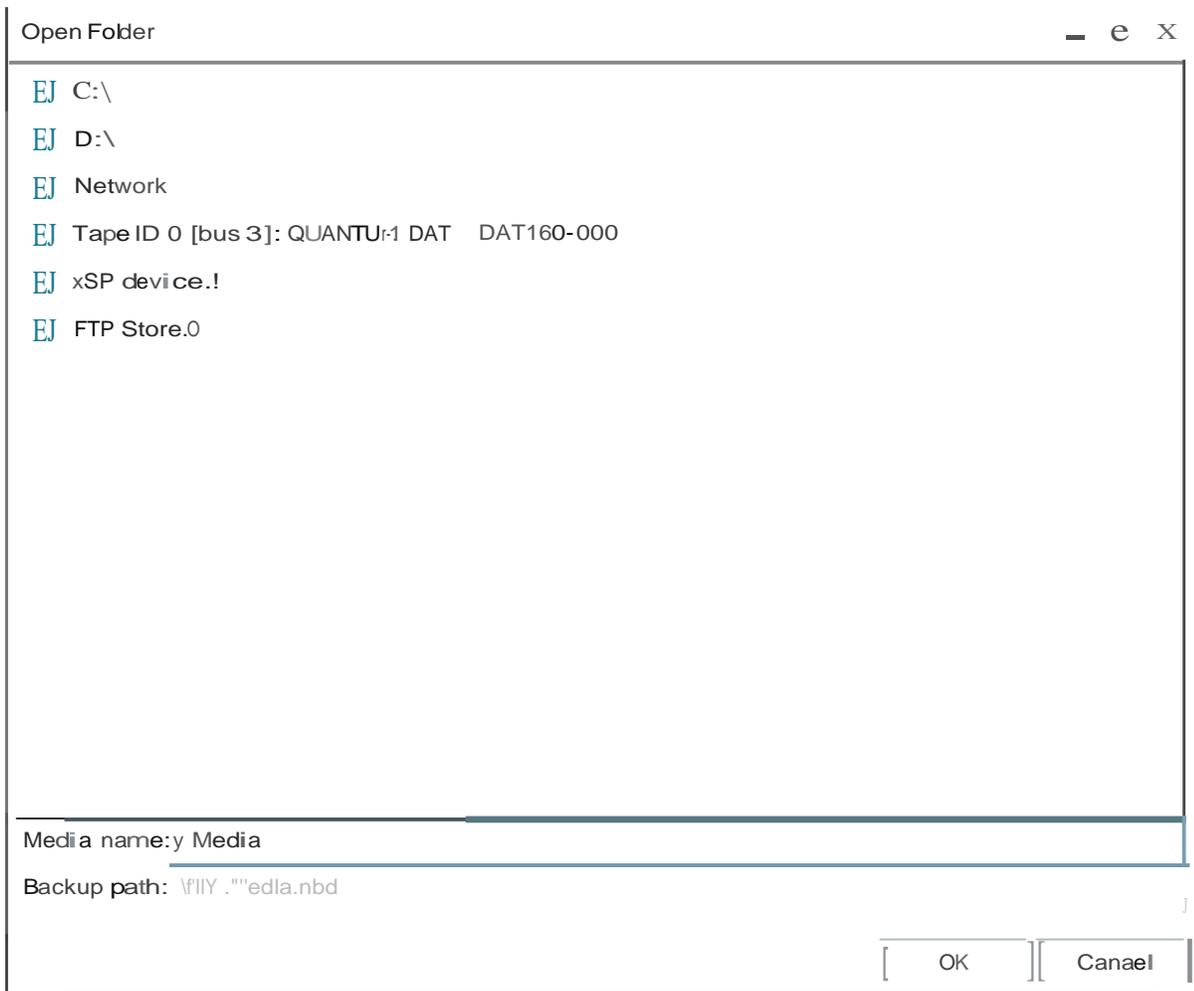
Backup Destination

Backup to...

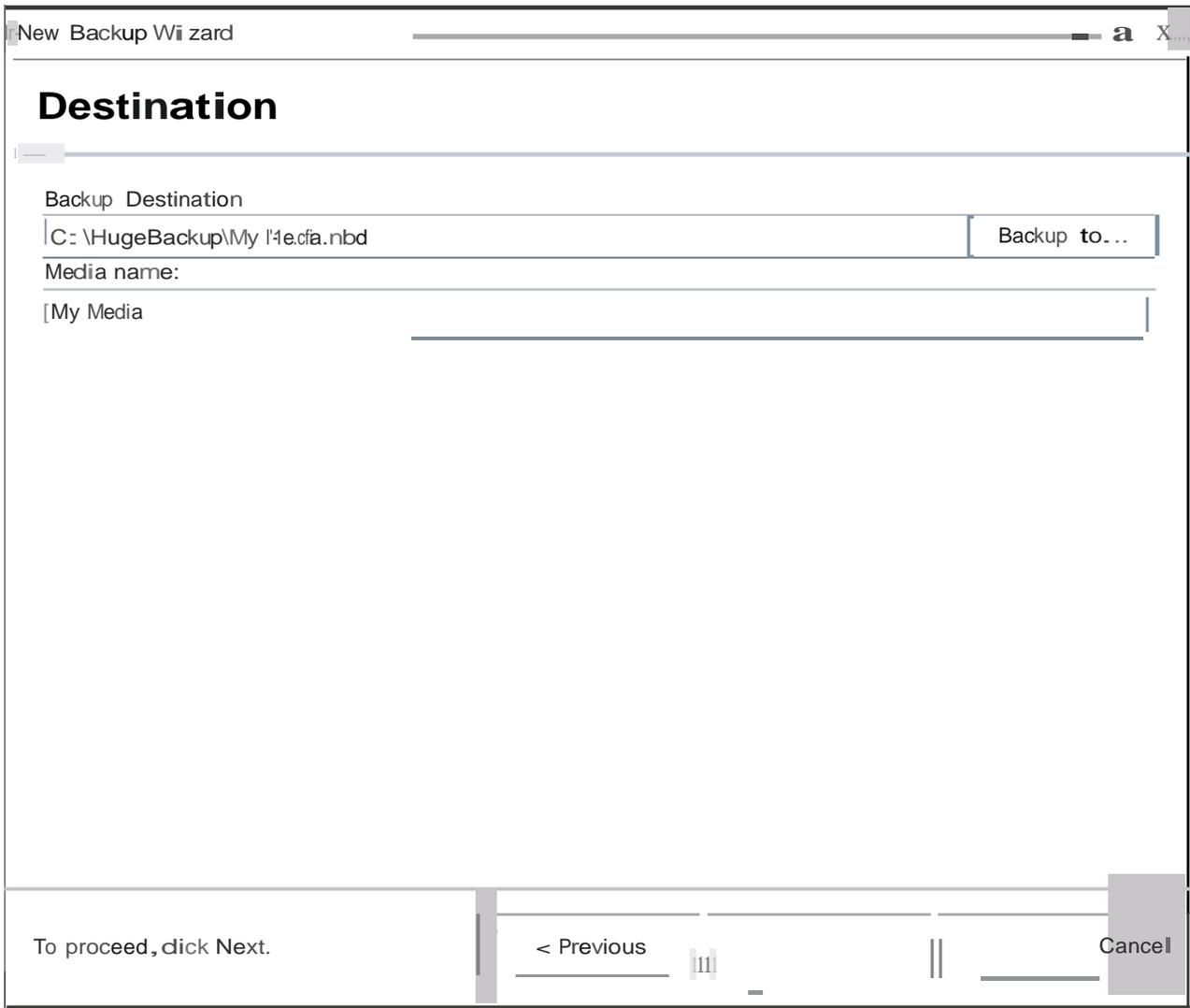
Media name:

To proceed, click Next.

The Backup too.. button will query the agent as to what is available to backup to on that specific agent.



There is always the choice to manually type in where the backups should go too, below is what the destination path should look like to a hard disk, optical media, flash drive, usb drive, or really any other locally attached device that is not a tape drive.



New Backup Wizard

Destination

Backup Destination
C:\HugeBackup\My file.cfa.nbd Backup to...

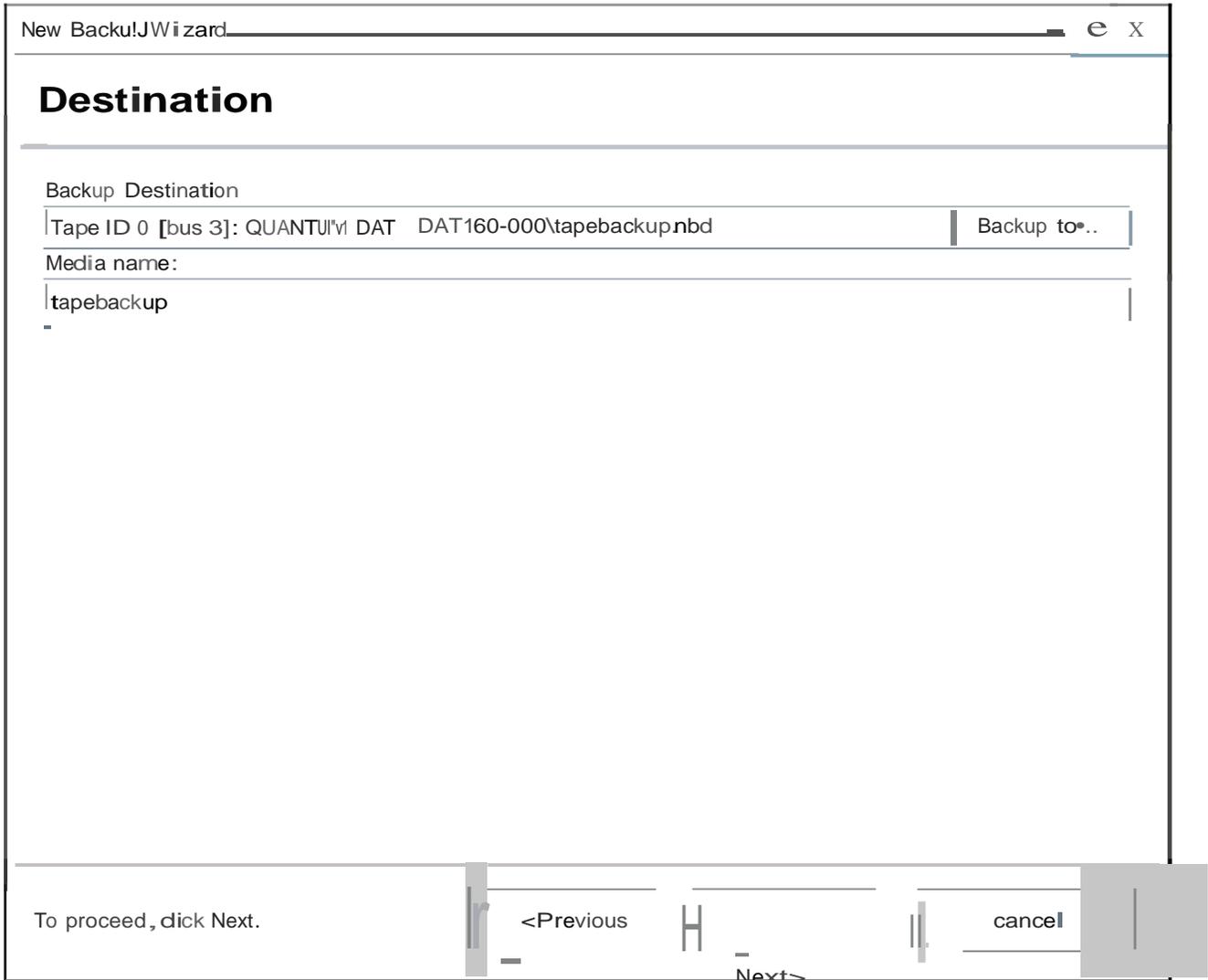
Media name:
[My Media]

To proceed, click Next.

< Previous Next > Cancel

Next >

Below is what the destination should look like for a tape device.



New Backup Wizard

Destination

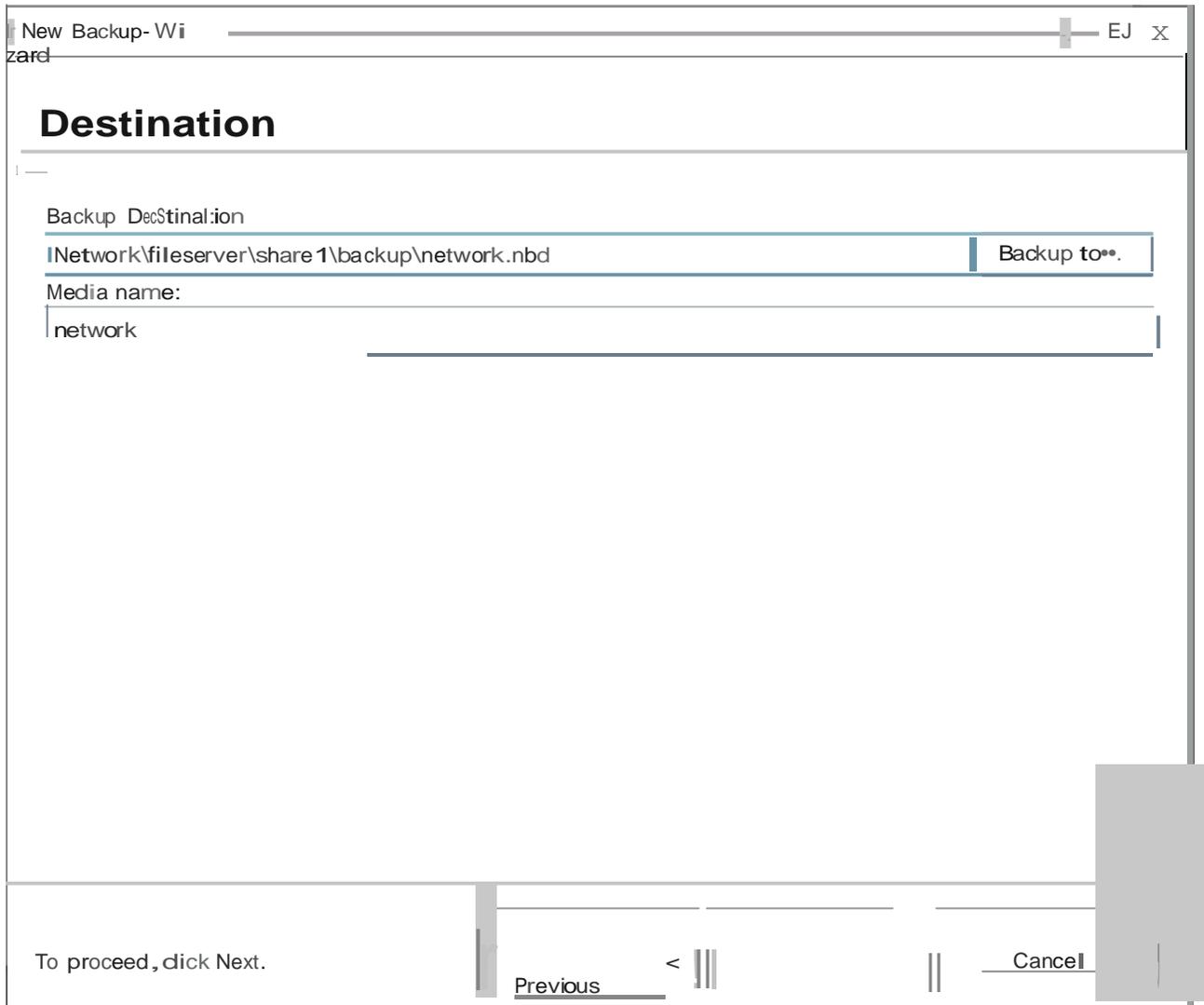
Backup Destination
Tape ID 0 [bus 3]: QUANTUM DAT DAT160-000\tapebackup.nbd Backup to*..

Media name:
tapebackup

To proceed, click Next.

<Previous Next> cancel

Network devices such as a NAS device or Windows share need to look like the below for the destination.



New Backup- Wizard EJ X

Destination

Backup Destination
Network\fileserver\share 1\backup\network.nbd Backup to...

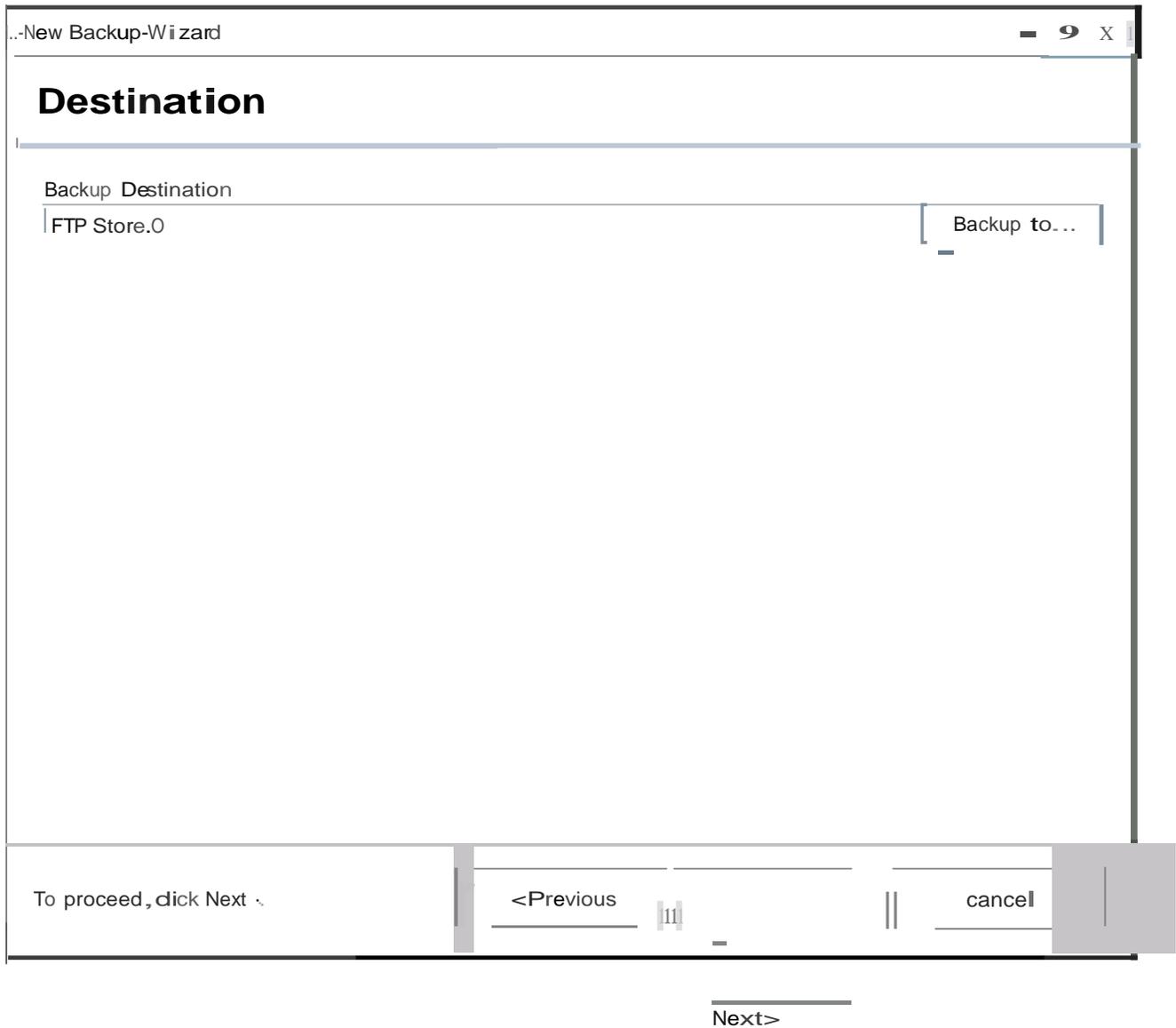
Media name:
network

To proceed, click Next.

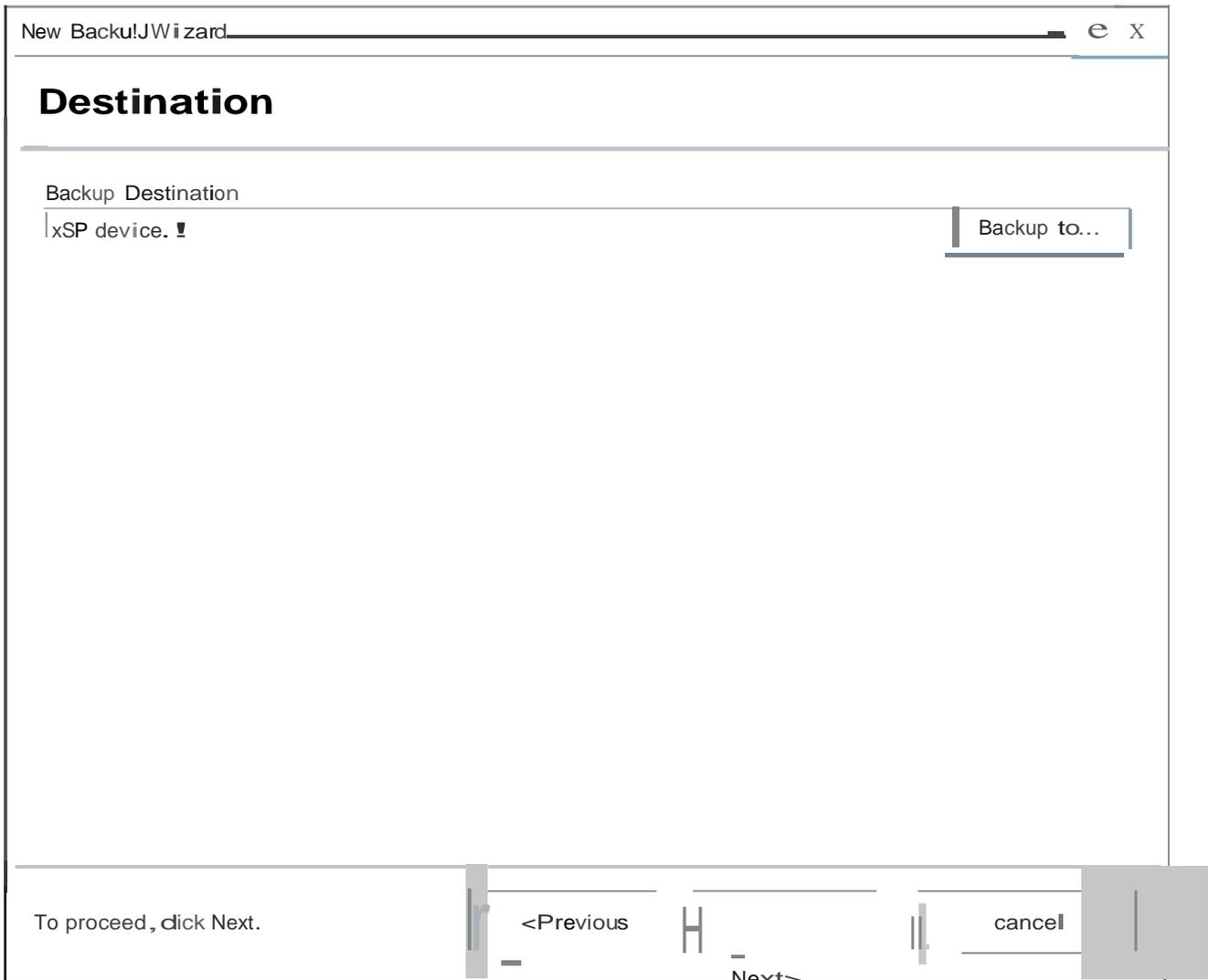
Previous < ||| ||| Cancel

Next >

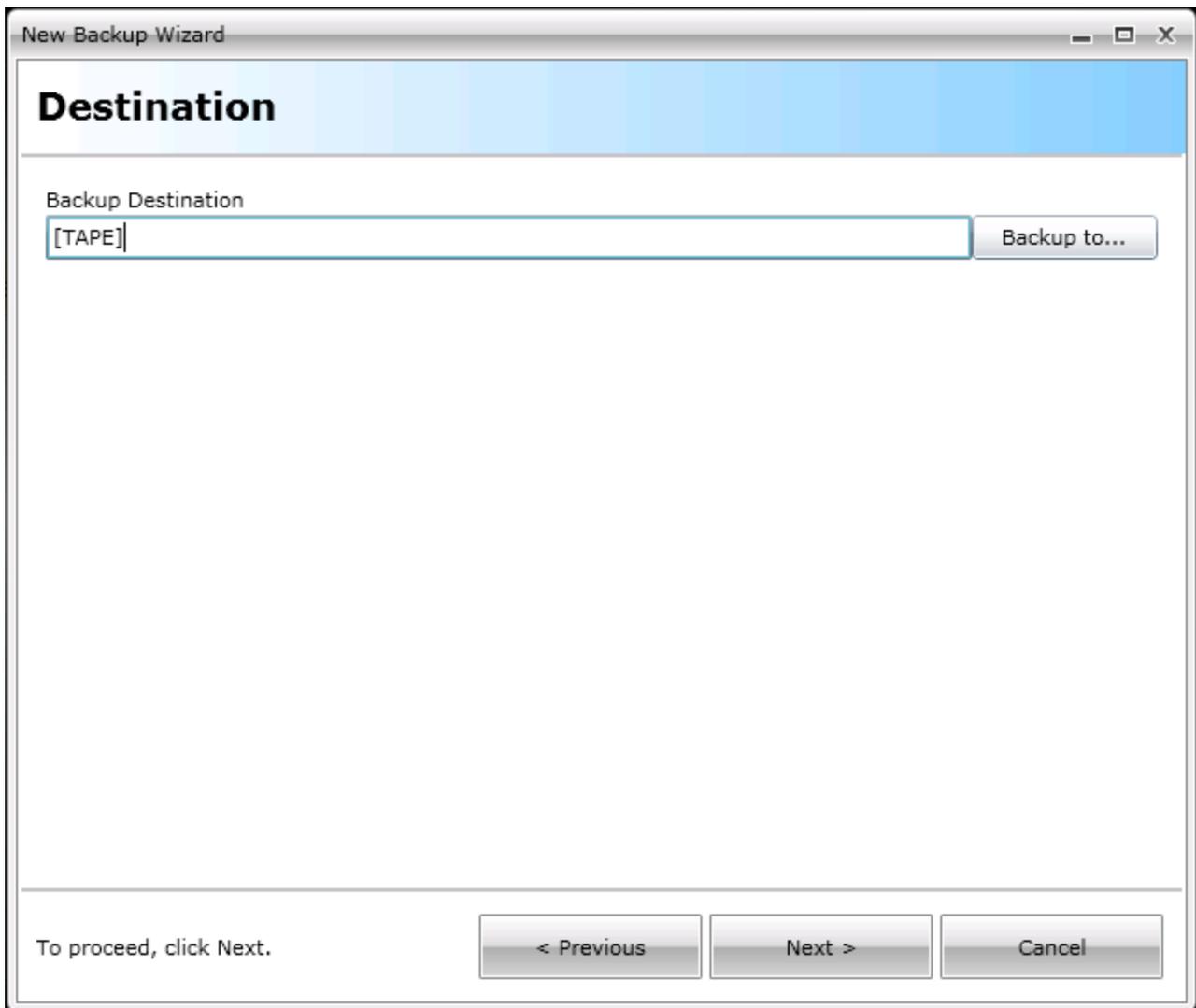
Ftp devices will look like the below destination example.



Finally, xSP devices will look like the following.



One of the challenges when dealing with backup policies applied to groups is that unless there is a specific naming convention that is enforced with user addable devices they might not be named the same. In order to combat this issue a little the CMC is able to deal with some device variables. The device variables that are currently available are the following: [TAPE] for the first tape drive attached to the agent, [FTP] for the first FTP device configured on the agent, [AMZ] for the first Amazon S3 device configured on the agent, and finally [XSP] for the first xSP device configured on the agent. Below is an example of the usage of device variables.



New Backup Wizard

Destination

Backup Destination

 Backup to...

To proceed, click Next.

< Previous Next > Cancel

Now that the selections and device that the backup is going to is selected it is time to determine the settings for the backup. The CMC includes almost every setting that the NovaBACKUP client has, and the settings work the same as if they were set on the NovaBACKUP client.

New Backup--Wizard
EJ X

Settings

General
Filters
Encryption
Anti-Virus
Custom Commands
Run As
Notification

Write Mode:

(Overwrite media T >

Backup r-1D\je:

[Full T

Compress Files

Verify Data After Backup

Backup security and permissions (ACL)

Automatically eject media at the end of job

Force databases to be backed up in full mode

Enable Open File Backup

Enable Drive Letter Management

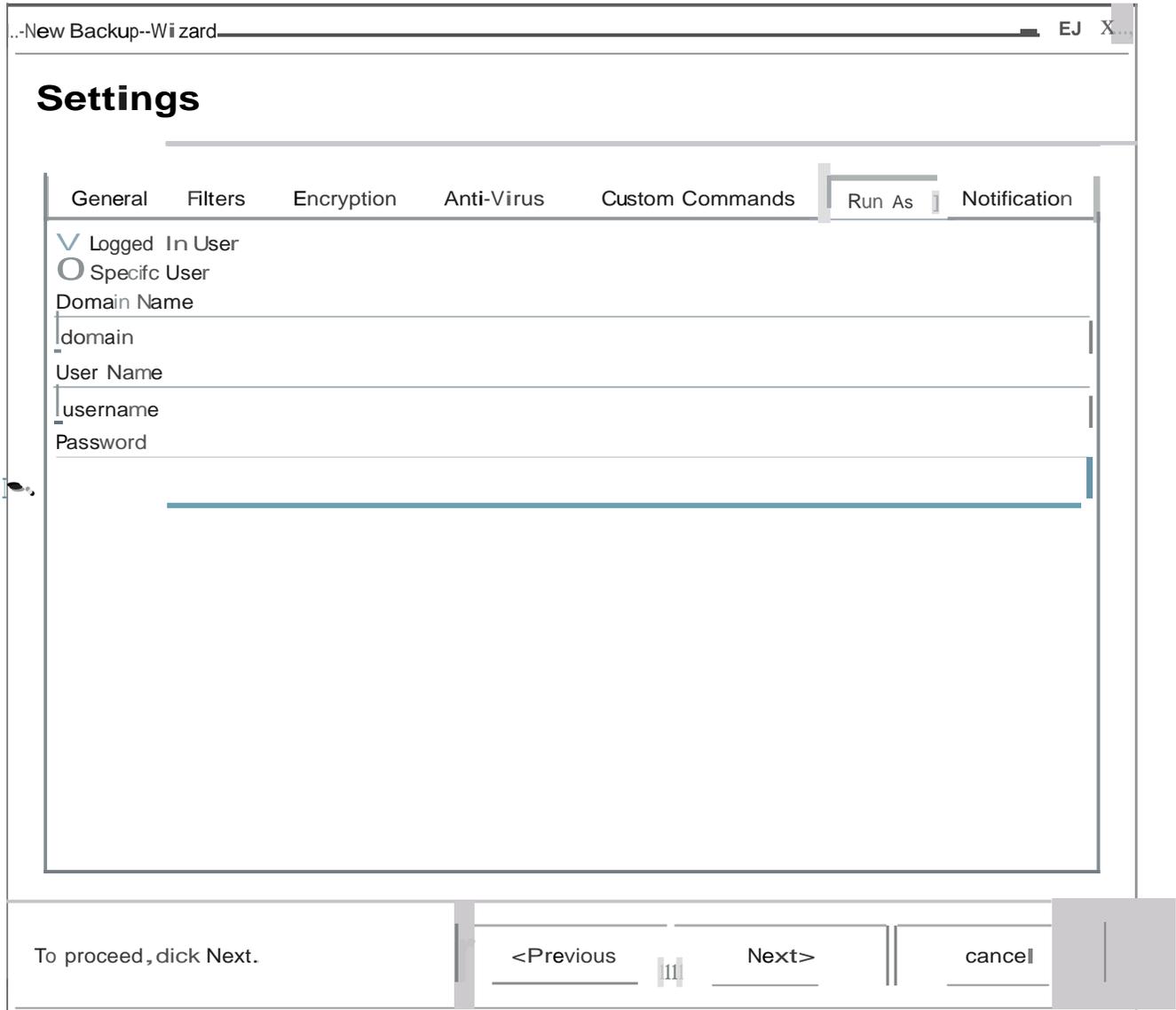
Media Chunk:

(No Chunk T >

To proceed, click Next.

<Previous
Next >
Cancel

One thing to be particularly careful of when setting the settings is that the **Run As** tab determines what user the backup will be impersonated as. If nothing is specified here and no one is logged in the backup will run as the localsystem account, which may not have the correct rights to backup from or to where it is expected to.



..-New Backup--Wizard EJ X...

Settings

General Filters Encryption Anti-Virus Custom Commands **Run As** Notification

Logged In User
 Specific User

Domain Name
domain

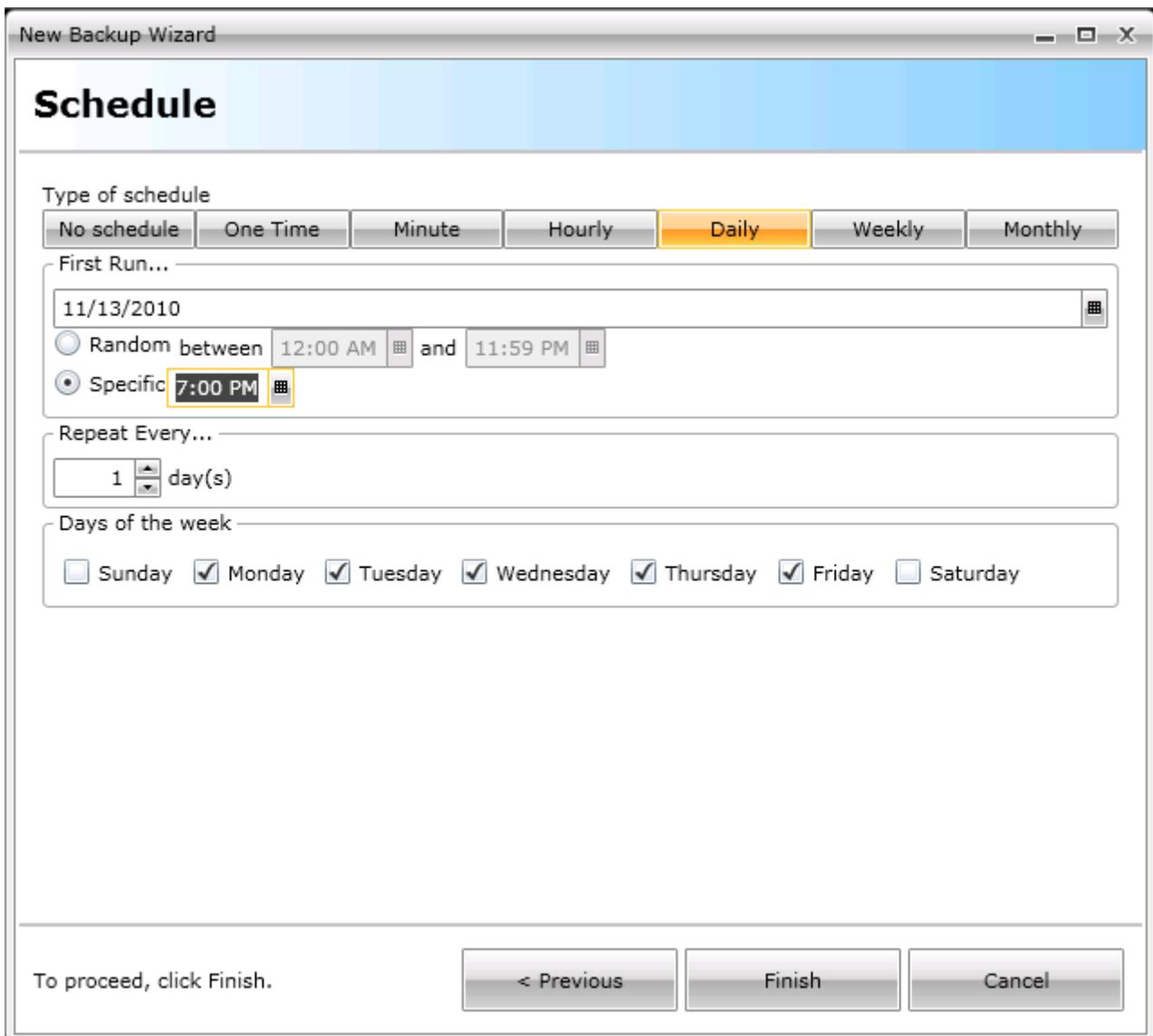
User Name
username

Password

To proceed, click Next.

<Previous Next> cancel

The final step in creating a backup policy is to define the schedule. All of the options that are available in the NovaBACKUP client software are available in the CMC. One option that is not in the NovaBACKUP software that is in the CMC is the option to schedule a random time for the backup to be scheduled at. What random means in the CMC is that when the schedule is grabbed by the agent the CMC tells the agent to create a random schedule between the two times and apply that as the schedule. This means that once the schedule has been created on the agent it will run at the random time that it generated when the CMC told it to schedule the backup. This particular option is very nice when you have many agents that are going to be using the same backup policy but you do not want them to overload the network and all start at the same time. One final thing to note about schedules is that when a schedule is sent from the CMC to the agent it is of the CMC server's time, so if the CMC server's time is different such as in a different time zone than the agent make sure to account for that when creating the schedule.



New Backup Wizard

Schedule

Type of schedule

First Run...

11/13/2010

Random between 12:00 AM and 11:59 PM

Specific 7:00 PM

Repeat Every...

1 day(s)

Days of the week

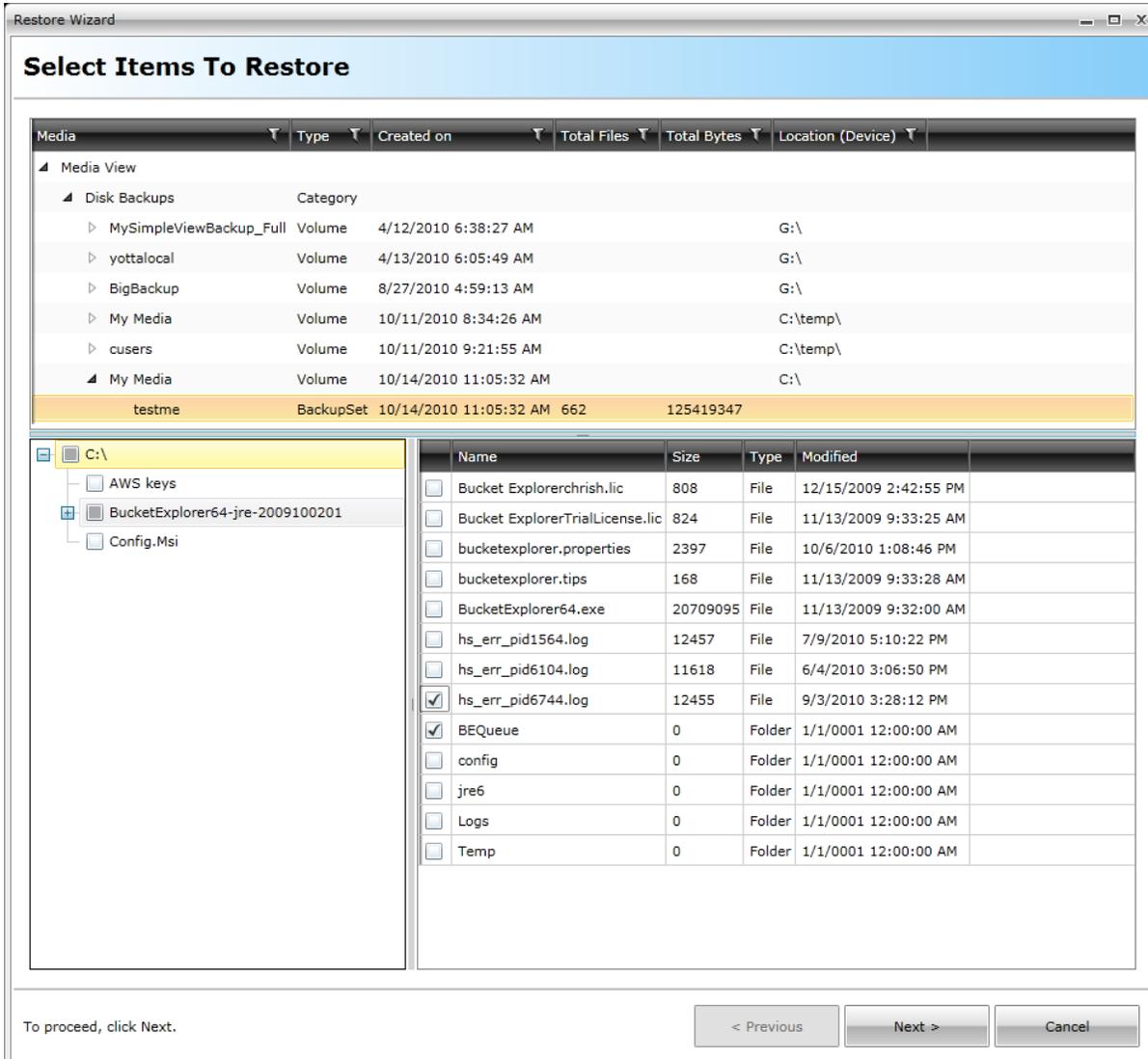
Sunday Monday Tuesday Wednesday Thursday Friday Saturday

To proceed, click Finish.

< Previous Finish Cancel

Restore Wizard

The Restore Wizard is only available at the agent level, and only when the agent is online. The Restore Wizard will show all available media that is able to be restored from. At which point the piece of media can be drilled down through and select the files and folders that are needed to be restored.



Select Items To Restore

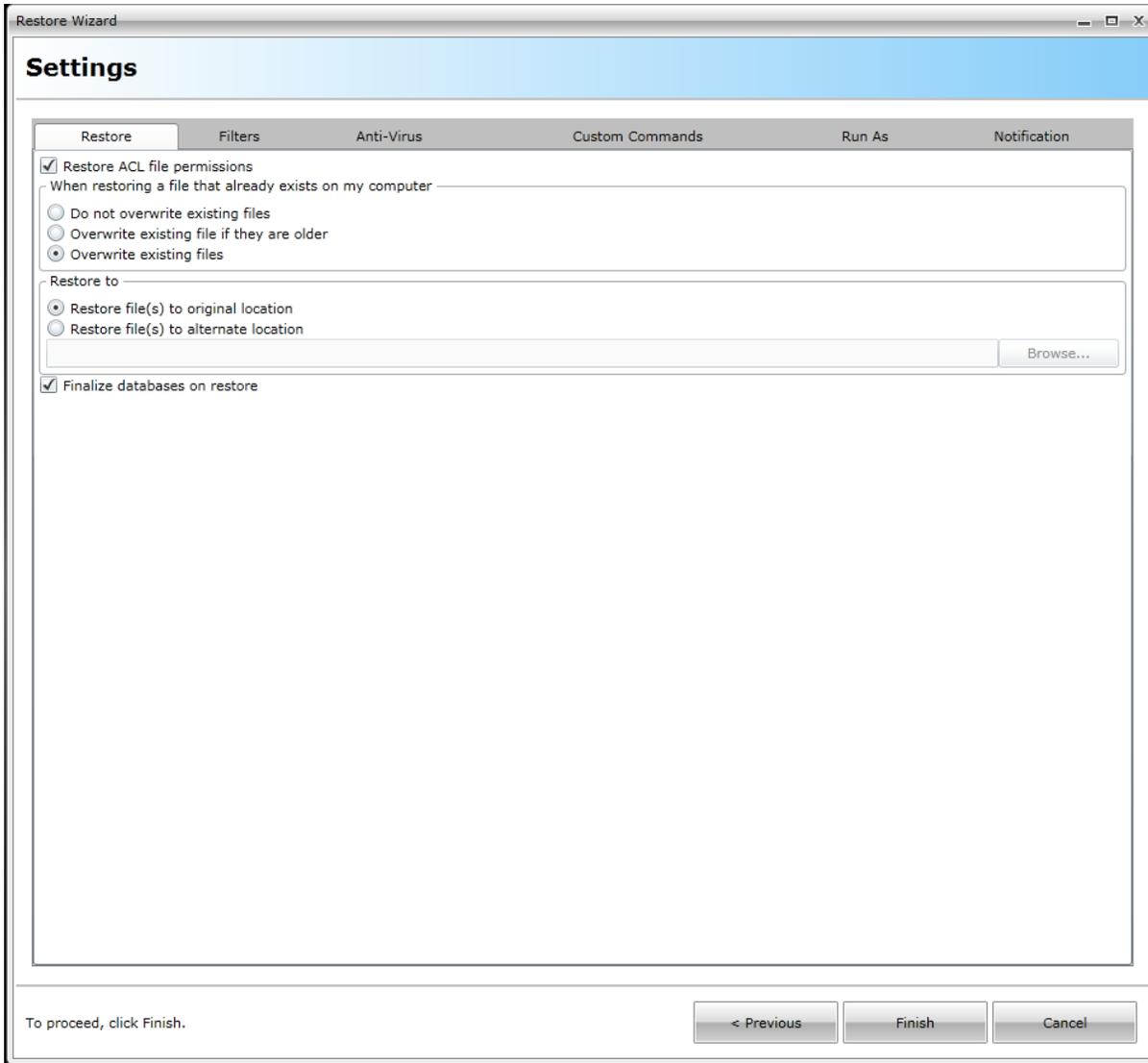
Media	Type	Created on	Total Files	Total Bytes	Location (Device)
Media View					
Disk Backups	Category				
MySimpleViewBackup_Full	Volume	4/12/2010 6:38:27 AM			G:\
yottalocal	Volume	4/13/2010 6:05:49 AM			G:\
BigBackup	Volume	8/27/2010 4:59:13 AM			G:\
My Media	Volume	10/11/2010 8:34:26 AM			C:\temp\
cusers	Volume	10/11/2010 9:21:55 AM			C:\temp\
My Media	Volume	10/14/2010 11:05:32 AM			C:\
testme	BackupSet	10/14/2010 11:05:32 AM	662	125419347	

Name	Size	Type	Modified
<input type="checkbox"/> Bucket Explorerchrish.lic	808	File	12/15/2009 2:42:55 PM
<input type="checkbox"/> Bucket ExplorerTrialLicense.lic	824	File	11/13/2009 9:33:25 AM
<input type="checkbox"/> bucketexplorer.properties	2397	File	10/6/2010 1:08:46 PM
<input type="checkbox"/> bucketexplorer.tips	168	File	11/13/2009 9:33:28 AM
<input type="checkbox"/> BucketExplorer64.exe	20709095	File	11/13/2009 9:32:00 AM
<input type="checkbox"/> hs_err_pid1564.log	12457	File	7/9/2010 5:10:22 PM
<input type="checkbox"/> hs_err_pid6104.log	11618	File	6/4/2010 3:06:50 PM
<input checked="" type="checkbox"/> hs_err_pid6744.log	12455	File	9/3/2010 3:28:12 PM
<input checked="" type="checkbox"/> BEQueue	0	Folder	1/1/0001 12:00:00 AM
<input type="checkbox"/> config	0	Folder	1/1/0001 12:00:00 AM
<input type="checkbox"/> jre6	0	Folder	1/1/0001 12:00:00 AM
<input type="checkbox"/> Logs	0	Folder	1/1/0001 12:00:00 AM
<input type="checkbox"/> Temp	0	Folder	1/1/0001 12:00:00 AM

To proceed, click Next.

< Previous Next > Cancel

The settings that are available during the restore wizard are almost identical and work the same way that restore options do in NovaBACKUP.



The screenshot shows the "Restore Wizard" window with the "Settings" tab selected. The window has a title bar with "Restore Wizard" and standard window controls. Below the title bar is a blue header with the word "Settings". Underneath is a tabbed interface with tabs for "Restore", "Filters", "Anti-Virus", "Custom Commands", "Run As", and "Notification". The "Restore" tab is active and contains the following settings:

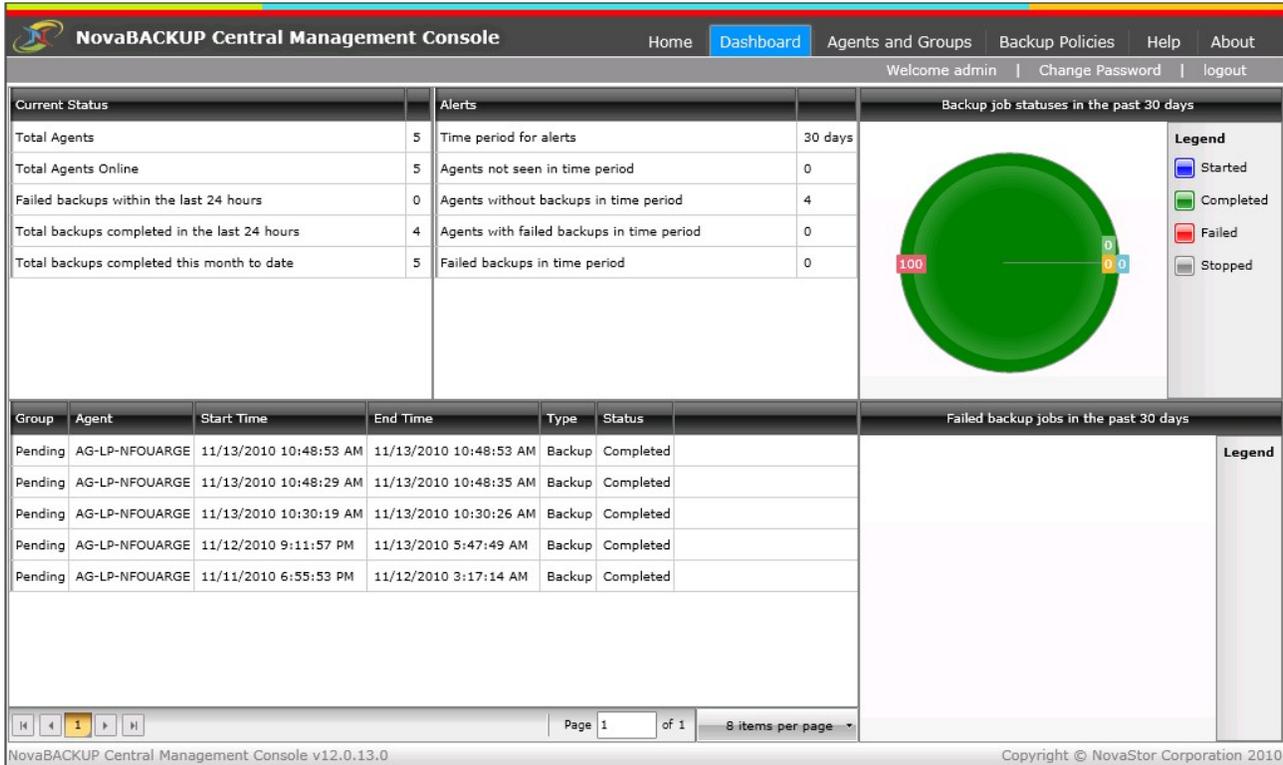
- Restore ACL file permissions
- When restoring a file that already exists on my computer:
 - Do not overwrite existing files
 - Overwrite existing file if they are older
 - Overwrite existing files
- Restore to:
 - Restore file(s) to original location
 - Restore file(s) to alternate location

Below these radio buttons is a text input field and a "Browse..." button.
- Finalize databases on restore

At the bottom of the window, there is a message: "To proceed, click Finish." and three buttons: "< Previous", "Finish", and "Cancel".

Dashboard

The Dashboard gives an overview of what is and has happened, along with quick access to the latest logs. Notice that the log section of the dashboard allows you to change the number of items per page depending on your resolution.

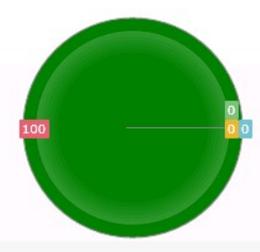


NovaBACKUP Central Management Console Home **Dashboard** Agents and Groups Backup Policies Help About

Welcome admin | Change Password | logout

Current Status		Alerts	
Total Agents	5	Time period for alerts	30 days
Total Agents Online	5	Agents not seen in time period	0
Failed backups within the last 24 hours	0	Agents without backups in time period	4
Total backups completed in the last 24 hours	4	Agents with failed backups in time period	0
Total backups completed this month to date	5	Failed backups in time period	0

Backup job statuses in the past 30 days



Legend

- Started
- Completed
- Failed
- Stopped

Group	Agent	Start Time	End Time	Type	Status
Pending	AG-LP-NFOUARGE	11/13/2010 10:48:53 AM	11/13/2010 10:48:53 AM	Backup	Completed
Pending	AG-LP-NFOUARGE	11/13/2010 10:48:29 AM	11/13/2010 10:48:35 AM	Backup	Completed
Pending	AG-LP-NFOUARGE	11/13/2010 10:30:19 AM	11/13/2010 10:30:26 AM	Backup	Completed
Pending	AG-LP-NFOUARGE	11/12/2010 9:11:57 PM	11/13/2010 5:47:49 AM	Backup	Completed
Pending	AG-LP-NFOUARGE	11/11/2010 6:55:53 PM	11/12/2010 3:17:14 AM	Backup	Completed

Failed backup jobs in the past 30 days

Page 1 of 1 8 items per page

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Technical Reference

Windows environment variables can only be used to define custom selections and must be in the form of <env variable>. An example of this would be <userprofile> for the Windows environment variable of %userprofile%.

Backup destination variables can be used instead of manually selecting a particular configurable device. The device variables that are currently available are the following: **[TAPE]** for the first tape drive attached to the agent, **[FTP]** for the first FTP device configured on the agent, **[AMZ]** for the first Amazon S3 device configured on the agent, and finally **[XSP]** for the first xSP device configured on the agent.

CMC server service logs can be found at: C:\Program Files\NovaStor\NovaBACKUP Central Management Console\Service\Log

CMC SQLite database can be found at: C:\Program Files\NovaStor\NovaBACKUP Central Management Console\Database

Agent CMC script location is located at: C:\ProgramData\NovaStor\NovaStor NovaBACKUP\Scripts\Backup\cmc or C:\Documents and Settings\All Users\Application Data\NovaStor\NovaStor NovaBACKUP\Scripts\Backup\cmc depending on Operating System. This is the location that the actual script file will be held after the agent has grabbed it from the CMC.

Agent CMCpolicies.xml file can be found at: C:\ProgramData\NovaStor\NovaStor NovaBACKUP\Profiles or C:\Documents and Settings\All Users\Application Data\NovaStor\NovaStor NovaBACKUP\Profiles depending on Operating System. This file is the determining factor on whether or not the agent needs to download new or changed backup policies.

Contacting Technical Support

Whether you contact us via the phone or via the Support Request Form, we will promptly log your support request and quickly assign your issue to the appropriate support engineer. The following sections detail the life cycle of a support request and explain best practices, our processes and your options as the issue progresses. Here are general recommendations for contacting us by phone, e-mail and website.

Our support engineers or help-desk operators will ask you a number of standard questions when troubleshooting your issue. Please have the below listed information before contacting NovaStor Support. We need this information to diagnose problems and quickly log your request.

Contact Information: Name, Company name, Customer ID, Ticket ID (if you sent a prior request)

Telephone, fax, e-mail or other contact details where you can be contacted if you have not provided this information earlier or you are contacting NovaStor first time.

Computing Environment Information:

- System specifications and operating system
- Product name and version
- Build number
- System configuration

Please describe your problem in an accurate and detailed manner so that our support Engineers can assist you in the shortest possible time.

U.S. Hours of operation:

MON - FRI

7am – 5pm PST.

1-805-579-6700

Email: support@novastor.com

Knowledge base:

<http://www.novastor.com/support/knowledgebase/>