

AppAssure 5 Job Monitoring

Using a Powershell script and custom service



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Disk Fragmentation Information

Overview

N-able Technologies has developed a script and a custom service that allows to get the information from the AppAssure 5 job APIs, and write the information to WMI for a custom service to use.

To use it, the script must be run at periodic interval (we recommend every 1 hour, but the actual schedule is customizable), and a custom service must be deployed.

Requirements

This script was tested on all current Microsoft Windows OS :

- Windows 7, Windows Server 2003 (R2), Windows Server2008 (R2), Windows 8 and Windows Server 2012.
- Windows XP and Vista are not supported.

Additionally, the script requires Powershell 2.0 and Microsoft .net 4, as well as AppAssure 5

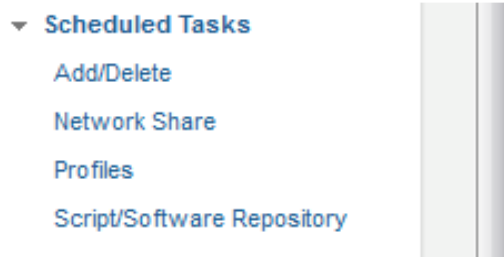
Workflow

The script when run on a local computer uses the AppAssure windows event log to review job data, then then writes data points for the custom service to use

Deployment

Importing and configuring the script

1. Download the AppAssure 5 Job Monitoring script from the N-able Resource Center (<http://nrc.n-able.com>) under COMMUNITY > Custom Services section.
2. Import the Powershell script into the N-Central Script Repository
 - a. From the Service Organization Level (orange), go to the configuration menu, then to **Scheduled Tasks**,



- b. Select **Script/Software Repository**
- c. Click ADD and choose scripting, then click on BROWSE to select the script

Details

Type: Scripting

Name:

Description:

File Name:

Command Line Parameters:

- d. Once uploaded, it will be available for use
3. Create a Scheduled Task profile (as detailed below) to run the script every 1 hour (or as needed).
 - a. From the Customer level (green), go to the configuration menu, then to Scheduled Tasks, and click on profiles. Select ADD scripting task
 - i. Enter a name
 - ii. Select the script from the repository list
 - iii. Select the rule on which to apply the profile.
 - iv. Select the schedule and set it to recurring

- v. Select Custom if it needs to be scanned more frequently than hourly, and add all the times that are required, and leave the other fields default (every day, every month).

Schedule

Type:

Task Timeout: hours

Interval:

Start Time:

00:05

01:05

Days of the Week: ☒ Every day ☐ Selected days

Sun	Mon	Tue	Wed	Thu	Fri	Sat	All	None
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Days of the Month: ☒ Every day ☐ Last day ☐ Selected dates

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	All	None		

Months of the Year: ☒ Every month ☐ Selected months

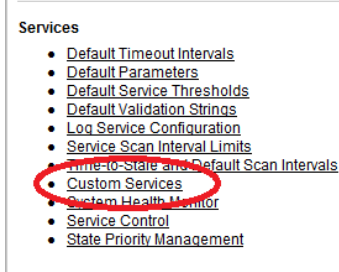
Jan	Feb	Mar
Apr	May	Jun
Jul	Aug	Sep
Oct	Nov	Dec
All	Clear	

- vi. If desired, select notifications to be sent if the task fails to run.
- vii. Save the task. The task will now run at the specified times.

Importing and configuring the custom service

To import the custom service:

1. log on to the NAC by going to <http://YOURSERVER:10000> and logging in with your product administrator
2. go to **Custom Services** within the services section on the left



Import Service

3. Click on IMPORT SERVICE
4. Click on BROWSE and select the service file (xml file), then click on IMPORT

A screenshot of the 'Import Custom Service' form in the N-Central GUI. The form has a title bar with 'N-CENTRAL' and navigation links 'Setup', 'My Account', and 'Help'. Below the title bar, a breadcrumb trail shows 'Setup > Custom Services > Import Custom Service'. The main heading is 'Import Custom Service'. A note indicates '* Required field'. A grey box contains the instruction: 'For information about how to set up a file for import, refer to the Help.' There are two input fields: '* Service File ?:' and 'Service Item File ?:', each with a 'Browse...' button. At the bottom, there are 'Import' and 'Cancel' buttons.

5. The service is now imported. Go to the N-Central GUI and select the device where to add the service. Go to the STATUS tab and click on ADD

A screenshot of the 'Services' tab in the N-Central GUI. At the top, there are three tabs: 'Properties', 'Status' (which is active), and 'Asset'. Below the tabs, the heading 'Services' is followed by a horizontal line. Underneath, there are three buttons: 'Add', 'Delete', and 'Create Service Te'. Below these buttons is a table with one row. The row has a checkbox in the first column and the text 'Service' with a small red arrow icon in the second column.

6. From the list, enter a 1 besides AppAssure

A screenshot of a single service entry in the N-Central GUI. The entry is a light blue horizontal bar. On the left, the text 'AppAssure' is displayed. In the middle, the number '100' is shown. On the right, there is a text input field containing the number '0'.

7. Click on OK at the bottom of the list
8. Then click on the service name on the device status tab, and go to SERVICE DETAILS
9. In here, enter the job name. this is what the service will use to monitor.

- a. ** note : To Get the job name, go to appassure and use the job name as shown in the screenshot below. Note that the script will only monitor TRANSFER OF VOLUMES jobs.

Job	Status	Start Time
> Transfer of volumes [C:\] from 'SERVER9'	Succeeded	3/24/20
> Transfer of volumes [(Volume Labeled 'System Reserved'),C:\] from 'TCOR12'	Succeeded	3/24/20
> Export of volumes [(Volume Labeled 'System Reserved'),C:\,D:\] to '[VS-TCOR10] at 'D:\AppAssure\VirtualStandby\TCOR-10' VM 'VS-TCOR10' (Hyper-V export)	Succeeded	3/24/20
> Export of volumes [C:\,D:\] to '[VS-SERVER3] at 'D:\AppAssure\VirtualStandby\SERVER3' VM 'VS-SERVER3' (Hyper-V export)	Succeeded	3/24/20
> Transfer of volumes [(Volume Labeled 'RECOVERY'),C:\] from '192.168.168.50'	Succeeded	3/24/20
> Transfer of volumes [C:\,D:\] from 'SERVER3' with log truncation for SQL Server	Succeeded	3/24/20
> Transfer of volumes [(Volume Labeled 'System Reserved'),C:\,D:\] from 'TCOR11'	Succeeded	3/24/20
> Transfer of volumes [(Volume Labeled 'System Reserved'),C:\] from 'TCOR01'	Succeeded	3/24/20
> Transfer of volumes [(Volume Labeled 'System Reserved'),C:\,D:\] from 'TCOR10'	Succeeded	3/24/20
> Rolling up '10' protected machine(s).	Succeeded	3/24/20

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10. Repeat the steps 5-9 for all desired jobs.
11. The service will now report on the script data.

Data being monitored

Information contained within the custom service

The monitor will record 8 data points in WMI for N-Central to poll.

1. Job duration
2. Job end time
3. Job name
4. Job type
5. Last job result
6. Last job result type
7. Last state
8. Last Script Execution Time
9. Job start time
10. Time since last backup was run