

IIS Application Pool Monitoring

Using a custom service



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IIS Application Pool Information

Overview

N-able Technologies has developed a custom service that allows to get the application pool information.

To use it, a custom service must be deployed.

Requirements

The custom service is compatible only with the following operating systems:

- Windows 2003 Server (all editions)
- Windows 2003 R2 Server (all editions)
- Windows 2008 Server (all editions)
- Windows 2008 R2 Server (all editions)

The custom service is not compatible with the following operating systems :

- Windows XP, Vista, 7, 8
- Windows 2012 Server (all editions)

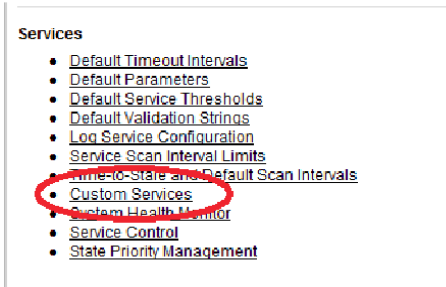
Additionally, the script requires Powershell 2.0 and Microsoft .net 4


Deployment

Importing and configuring the custom service

To import the custom service:

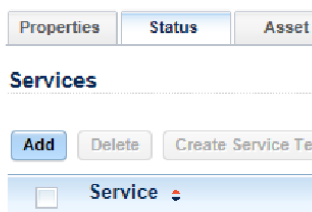
1. log on to the NAC by going to <httpS://YOURSERVER:10000> and logging in with your product administrator
2. go to **Custom Services** within the services section on the left



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 the N-Central logo and navigation links. Below the title, there's a breadcrumb trail: 'Setup > Custom Services > Import Custom Service'. The main content area is titled 'Import Custom Service' and includes a note about required fields. It contains 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



6. From the list, enter a 1 besides IIS Application Pool
7. Click on OK at the bottom of the list
8. The service will now report its status for the “_Total” instance, which is the summary

9. To change it, click on the instance in the STATUS view, go to service details and enter the app pool name

Data being monitored

Information contained within the custom service

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

1. Name
2. App pool state
3. App pool uptime (no threshold, but for information)
4. Current worker process count
5. Total worker process failures
6. Total worker process ping failures
7. Total worker process shutdown failures
8. Total worker process startup failures

Transition Time: 2013-Feb-19 13:23



Status Details

Description	Value	State	Thresholds	
Application Pool State	3	✓	Normal	0 - 3
			Warning	4,294,967,296 - 4,294,967,296
			Failed	4 - 4,294,967,296
Application Pool Name	MSExchangeSyncAppPool	--	--	
Application Pool Uptime In Seconds	550,421	✓	Normal	3,600 - 9,223,372,036,854,776,000
			Warning	1,801 - 3,600
			Failed	0 - 1,800
Work Process Count	0	✓	Normal	0 - 1,000
			Warning	999 - 10,000
			Failed	9,999 - 4,294,967,296
Total Worker Process Failures	0	✓	Normal	0 - 100
			Warning	99 - 1,000
			Failed	999 - 4,294,967,296
Total Work Process Ping Failures	0	✓	Normal	0 - 100
			Warning	99 - 1,000
			Failed	999 - 4,294,967,296
Total Worker Process Shutdown Failures	0	✓	Normal	0 - 100
			Warning	99 - 1,000
			Failed	999 - 4,294,967,296
Total Worker Process Startup Failures	0	✓	Normal	0 - 100
			Warning	99 - 1,000
			Failed	999 - 4,294,967,296