

GWME-7.1.1-5 - Windows Direct check profile

Problem

Directly checking WMI parameters on Windows system with Nagios(tm) plugins is a bit tricky. You need to have the WMIC libraries installed, and a suitable plugin or plugins ready to work with them. This technical bulletin will install such a plugin on a 7.1.1 system which does have the WMIC libraries.

Support Considerations


The plugin itself (check_wmi_plus.pl) is an open source plugin, but there is also an enhanced version which offers some performance gains and additional checks. If you need these features, please see the plugin maintainer site: <http://www.edcint.co.nz/checkwmiplus/> GroundWork support will help you in the usual way with the open source version of the plugin. This bulletin is only compatible with GroundWork Monitor version 7.1.1, and the relevant code is included in later releases.

Solution

Installing the plugin, a perl module (Number::Format) and a useful profile is all taken care of with this technical bulletin.

Installing

1. Download the scripted installer attached

Name	Size	Creator	Creation Date	Comment
 TB7.1.1-5.tgz	140 kB	Thomas Stocking	Apr 06, 2017 15:06	MD5SUM 122200da75635ffbd177dbd7f0836d33

2. Place the install script on the GroundWork server you wish to poll Windows systems from, preferably alone in an empty directory.
3. Extract the tar file:
As root or equivalent, type:

```
tar zxvf TB7.1.1-5.tgz
```

4. Run the installer:

```
./TB7.1.1-5_install.sh
```

5. Follow the prompts.

Uninstalling

If you need to uninstall the technical bulletin, just run the uninstall script:

```
./TB7.1.1_uninstall.sh
```

Note that this uninstaller will not remove the profile from the database if you have imported it already. See below.

Usage notes:

This plugin is extensively documented in and of itself, and contains several files that can be used to configure multiple checks of several types. To get started quickly, however, just import the service profile called "service-profile-Windows-WMIC-based-checks.xml" under the Windows category

in Configuration -> Profiles -> Profile Importer.

Then create a file on the GroundWork server in a place accessible by the nagios user to hold your credentials for the plugin (it needs access to the counters you want to check). For example, edit the file:

```
vi /usr/local/groundwork/nagios/libexec/check_wmi_plus/etc/check_wmi_plus/itmon.authfile
```

and enter three lines like this:

```
username=itmon  
password=mypassword  
domain=mydomain
```

Replace the values with the credentials you want to use. Make sure the file is readable by user nagios:

```
chown nagios.nagios  
/usr/local/groundwork/nagios/libexec/check_wmi_plus/etc/check_wmi_plus/itmon.authfile
```

Then, set the full path to this file as the Nagios macro \$USER9\$. This will allow you to test the services you imported with the profile against hosts in the domain, and to deploy the monitoring as you would any polled check.