Dell Technical Information Note (TIN UPS004)

VMware® vMA 5.0.0.1 and 5.0.0.2 Shutdown Implementation using Dell UPS Management Software, Release 2

This Dell Technical Information Note provides practical examples of implementing shutdown using Dell UPS Management Software Release 2 on VMware vMA 5.0.0.1 or 5.0.0.2 (pay versions)
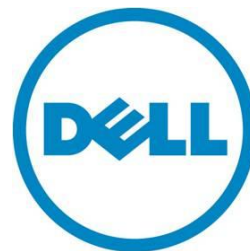
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Executive summary

VMware® vSphere™ Management Assistant (vMA) 5.0.0.1 and 5.0.0.2 release notes discuss an issue when using the "LWP::UserAgent" perl module with a version older than 6.0.4. This Technical Information Note provides guidance on how to resolve this issue. You can review VMware release notes at http://www.vmware.com/support/developer/vcli/vcli501/vsp5_501_vcli_relnotes.html

When the script is executed, you will encounter an SSL/Certificate issue with this type of error message:

```
Server version unavailable at 'https://<server>/sdk/vimService.wsdl' at
/usr/lib/perl5/5.8.8/VMware/VICommon.pm line 545
```

On the vMA, you can check the version of the module with the following command line:

```
# perl -MLWP::UserAgent -e 'print "$LWP::UserAgent::VERSION\n"'
```

When you test the shutdown script through the Dell UPS Local Node Manager (ULNM) Web interface, nothing happens. Follow Implementation Step 1 to confirm that Release 2 of ULNM software is installed.

Implementation

To implement shutdown, follow these steps:

1. Confirm you are using Dell UPS Management Software Release 2, 01.04.0010 (A02).
   If you are not using this release, download Release 2 software from www.dellups.com:
   Select: ➲ Software & Technical Documentation
              ➲ Software Downloads
                 ➲ Dell Multi-UPS Management Console and UPS Local Node Manager Software [Release 2, July 2012]
                    ➲ Install Multi-UPS Management Console (MUMC) and ULNM

2. Download the perl shutdown script from www.dellups.com:
   Select: ➲ Software & Technical Documentation
              ➲ Software Downloads
                 ➲shutdownESXi.zip

3. Copy the perl shutdown script from your computer to the vMA (with winSCP or scp command line).

4. Move the perl shutdown script in the application bin folder **'/usr/local/Dell/UPSLocalNodeManager/bin/virt_tools/'**:

```
# mv shutdownEsxi.pl /usr/local/Dell/UPSLocalNodeManager/bin/virt_tools/
```

5. Go to this script folder:

```
# cd /usr/local/Dell/UPSLocalNodeManager/bin/virt_tools/
```

6. Test the script with the command line in the documentation:

```
# perl shutdownESXi.pl --server esxi01.domain.com --username root --password
SecretP@ss
```

Advanced information

Once you are sure that the "**LWP::UserAgent**" perl module version is older than the expected one, you can directly modify the existing "**shutdownESXi.pl**" script in the folder, "**/usr/local/Dell/UPSLocalNodeManager/bin/virt_tools/**" without having to download the workaround. You can simply add the following at the beginning of the existing "shutdownESXi.pl" script:

```
#!/usr/bin/perl –w
#####################
.
.
.
$ENV{PERL_LWP_SSL_VERIFY_HOSTNAME} = 0;
.
.
```

Note: The patch script on the Dell website also provides a version test and a set of according environment variable when the conditions are okay as proposed by VMware workaround.

Summary

Installing, modifying and executing the shutdownESXi.zip script should resolve this known issue with VMware vMA 5.0.01 or 5.0.0.2 when used with Dell UPS Management Software Release 2, 01.04.0010 (A02).

References

Dell UPS Technical Information Notes:

Available at dellups.com ➲ Software and Technical Documentation ➲ Support FAQ

- VMware vCenter Shutdown Scenarios
- Common Software Installation Scenarios
- Activating Redundancy and Virtualization Modules
- Understanding Windows® Event Log Scripts

Dell Publications:

Available at dellups.com ➲ Software and Technical Documentation ➲ User Manuals and Publications

- Dell Multi-UPS Management Console Installation and Configuration User's Guide
- Dell UPS Local Node Manager Installation and Configuration User's Guide