

Dell Technical Information Note (TIN UPS004)

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# VMware<sup>®</sup> vMA 5.0.0.1 and 5.0.0.2 Shutdown Implementation using Dell UPS Management Software, Release 2

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*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)*

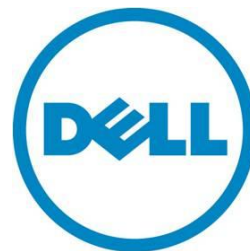
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September 2012 | Rev 1.0

## 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](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/VICCommon.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](http://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](http://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](http://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](http://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