Release Notes for Linux DASH CLI v3.0

July 06, 2020

Introduction
This release notes is applicable to DASH Command Line Interface v3.0. This release notes covers the new features added, tested configurations and important bugs that have been fixed.

System Requirements
- OS: Ubuntu & Fedora
- Follow the README from package for installation of package on Linux.

Supported platforms

- Ubuntu : 16.04 LTS or above
- Fedora : 26 or above

Upgrading to New Software Release
Run the DASH CLI installer. DASH CLI v3.0 will be installed under /usr/bin directory and overwrite the earlier version.

Support Information
- Web support: www.amd.com/DASH for blogs, HowTos, discussion forum
- Email: Write to dashsupport@amd.com for any query related to DASH

New Features in DASH CLI v3.0
- Improved security and application performance
- Support for enumeration for the following DASH profiles:
  - Indicator LED
  - IP Configuration
  - Media Redirection
  - PCI Device
  - Physical Computer System View
  - Platform Watchdog
  - Service Processor
- Support for 'Next Single Use Boot' configuration in Boot Control Profile

New Features in DASH CLI v2.5
- DASHConfigRT is packaged with DASH CLI to configure Realtek based DASH systems.
- Following packages were updated (OpenSSL-1.1.1d, CIM Schema-2.52, Putty-0.73).
- Updated VNC Viewer used for KVM with security patch affecting the build libraries.
- Added 3rd party console enablement support, called developer mode, which takes request in JSON format and gives output in JSON in Redfish format. Following commands are enabled:
  - alertdestination
  - asset
  - bios
  - bootconfig
  - ethernetport
  - fan
  - filtercollection
  - indicationfilter
  - indicationsubscription
  - kvmredirection
  - logentry
  - memory

- o networkport
- o operatingsystem
- o powersupply
- o processor
- o recordlog
- o sensor
- o software
- o textredirection
- o usbredirection
- o discover
- o computersystem
- o user
- Discovery of DASH systems based on single IP/hostname.
- OpenWSMan was upgraded to v2.2.3.

General Note
1. Refer 'LinuxDASHCLIUserGuide.pdf' document for usage information on Linux DASH CLI.
2. Refer 'LinuxDASHCLIDeveloperGuide.pdf' document for accessing data from Linux DASH CLI in developer mode.
3. The integrated webserver launches on port 9090 by default. To change the port, modify 'ports' field in the file 'mongoose.conf'. This file is found in the 'bin' folder of DASH CLI installation.
4. Few commands may not give results on certain DASH systems. Check the capabilities of the DASH system and verify if the functionality is supported by the DASH system.

Known Issues (and workarounds, if any)

This section describes known issues and workarounds that affect the usage of the DASH CLI.
1. Kvmredirection is supported on KVMEngine v1.9 and above.
2. Profile "software update" is not supported on linux system.
3. Unable to add boot configuration.
   Note: Check the capability of the firmware
4. Unable to setthreshold in sensors
5. Unable to importfromuri in opaquemanagementdata
6. Unable to exportfromuri in opaquemanagementdata
7. After executing USB Redirection commands, DASH CLI installation folder is not removed after un-installation
   Workaround: Remove the folders manually after un-install

DASH Systems & Management Controller firmware

HP 705 G4, BIOS: 02.04.01, firmware: 1.3.1.173201349
HP 705, firmware: 3.5.0.3
HP 6305, firmware: 1.54.1.1
HP dc6005, BIOS: 1.03, firmware: 1.54.1.1
HP dc5850, BIOS: 3.02, firmware: 1.40.0.1
Lenovo M715Q
Lenovo M79
Dell OptiPlex 580: BIOS A03, firmware: 1.50.0.1
HP Compaq 8100 (AMT 6.0, DASH 1.0 Profiles only)

Appendix A

The following components have been used in building DASH CLI:

Component	License Type	URL of License File
OpenWSMan	BSD	http://sourceforge.net/projects/openwsman/
Mongoose webserver	MIT	https://github.com/valenok/mongoose

Appendix B - Configuration specific to Broadcom Management Controller

1. On using self-signed certificates for HTTPS communication:
   Refer the document 'DASHCertificates.pdf' in the 'docs' folder of DASH CLI installation.
2. On active directory authentication setup:
   Refer the document 'DASHActiveDirectory.pdf' in the 'docs' folder of DASH CLI installation. Also, a sample active directory configuration is discussed in the 'SCCM2012-Integration.doc' document available in DASHConfig folder.

Appendix C – Commonly used Putty Shell commands

Here are few helpful escape sequences to aid the putty session:

Supported escape sequences:

Escape Sequence	Functionality
~.	Terminate session
~B	Send a BREAK to the remote system
~R	Request rekey (SSH protocol 2 only)
~#	List forwarded connections
~?	This message
~~	Send the escape character by typing it twice

Note: For Telnet enter+ctrl+] and ssh enter+~+.