

Scripting Tools for Windows PowerShell : BIOS Cmdlets

© Copyright 2013-2016 Hewlett Packard Enterprise Development, L.P. All rights reserved.

The Scripting Tools for Windows PowerShell provides a simplified and consistent infrastructure management experience. This set of PowerShell utilities will grow over time to provide a comprehensive set of Hewlett Packard Enterprise integration tools. It is designed for IT experts with experience in PowerShell scripting and configuring ProLiant server hardware.

This 1.1.0.1 release supports Hewlett Packard Enterprise ProLiant Gen8 (except DL580) and Gen9 servers' BIOS configuration.

Prerequisites

There are a few prerequisites before installing.

- You should have the Microsoft .NET Framework 4.5 or later must be installed.
- You should have the Windows Management Framework 3.0 or later (which includes PowerShell 3.0 or later) must be installed on your system prior to installing the "Scripting Tools for Windows PowerShell : BIOS Cmdlets".
- The Windows Assessment and Deployment Kit (Windows ADK) version 5.0 or later is needed for creating a custom WinPE image using BIOS cmdlets.
- The following links provide access to the Microsoft download sites for these applications.
[Microsoft .NET Framework 4.5](#)
[Windows Management Framework 3.0](#)
[Windows Management Framework 4.0](#)
[Windows Management Framework 5.0](#)
- For more details, refer User Guide and Release Notes in [Hewlett Packard Enterprise Information Library](#).

Installation

- Be sure to close any PowerShell windows before installing. Reboot should not be needed unless you installed .NET 4.5 or later/PowerShell 3.0 or later.
- The installer should be run from an account with administrative privilege using any normal method of execution (command line or double click). If you run from an account without administrative privilege, use one of the following options:

Procedure 1

1. Click Start and select All Programs→Accessories→Windows PowerShell.
2. Right-click one of the PowerShell options and select 'Run as administrator'.
3. Change (CD) to the directory where you unzipped the installer.
4. On the PowerShell command line run either the 64-bit (HPBIOSCmdlets-x64.msi) or the 32-bit (HPBIOSCmdlets-x86.msi) installer as appropriate for your system.

Procedure 2

1. Click 'Start' and select 'Run...'
2. In the Run dialog enter the path and filename of the correct installer for your system, either the 64-bit (HPBIOSCmdlets-x64.msi) or the 32-bit (HPBIOSCmdlets-x86.msi) installer as appropriate for your system.

Note:

Make sure to close PowerShell console windows and open new ones after the installation is complete.

Usage

- You may have to change the execution policy for PowerShell. Get the following help to get more information in order to decide what to select.

```
help about_Execution_Policies
```

You can use this PowerShell command until you decide it fits your needs or not:

```
Set-ExecutionPolicy -Scope CurrentUser -ExecutionPolicy RemoteSigned
```

- Help for usage of the HPBIOSCmdlets is included as it is with other modules installed on your system. If you want to see a complete list of the HPBIOSCmdlets after installation, in PowerShell type:

```
help *HPBIOS*
```

- If you want to get complete help for a specific cmdlet type:

```
help <cmdlet> -Full
```

where <cmdlet> is the name of the BIOS cmdlet.

Example:

```
help Connect-HPBIOS -Full
```

Issues

If you encounter issues, please provide as much information as possible, including screen captures if appropriate. See the <http://www.hpe.com/servers/powershell> page for support contact information. Also, please include the output from this command in the information:

```
Get-HPBIOSModuleVersion
```