

Cisco UCS PowerTool Core Suite 2.5.3- Beta Release for PowerShell Core

Cisco UCS PowerTool Core Suite is a set of PowerShell Core modules for Cisco UCS Manager, Cisco IMC, and Cisco UCS Central that helps in configuration and management of Cisco UCS domains and solutions. Cisco UCS PowerTool Core Suite 2.5.3-Beta release is developed using PowerShell Core and .NET Core to support running UCS PowerTool on Linux, Mac and Docker Containers.

System Requirements

Before installing Cisco UCS PowerTool Core Suite, ensure that the system meets the following requirements:

- [PowerShell 6.1.1 release](#)

Note: Refer to [PowerShell Git-Hub](#) site for detailed instructions on installing PowerShell Core on the operating system of your choice.

Cisco UCS Manager

Cisco UCS Manager PowerTool is compatible with the following Cisco UCS Manager releases:

- Release 4.0
- Release 3.1
- Release 3.0
- Release 2.5
- Release 2.2
- Release 2.1
- Release 2.0

Cisco UCS C-Series Servers

Cisco IMC PowerTool is compatible with the following Cisco IMC releases:

- Release 4.0
- Release 3.0
- Release 2.0 and higher
- Release 1.5 and higher

Cisco UCS E-Series Servers

Cisco IMC PowerTool is compatible with the following Cisco UCS E-Series releases:

- Release 2.2(1) and later for the E-Series servers

Cisco UCS Central

Cisco UCS Central PowerTool is compatible with the following Cisco UCS Central releases:

- Release 2.0
- Release 1.5
- Release 1.4
- Release 1.3
- Release 1.2

Installation of UCS PowerTool Core Suite

Following steps explain the Installation of PowerShell Core and UCS PowerTool Core Suite on systems running Linux.

1. Install PowerShell Core by following the instructions for your operating system [here](#)
2. Locate the modules directory on your platform. Run in a command prompt:

```
pwsh "$env:PSMODULEPATH"
```

Note: On most of the Unix-like platforms, the module directory usually is
~/local/share/powershell/Modules

3. Create the Modules directory if it does not exist by running the following command:

```
mkdir -p ~/.local/share/powershell/Modules
```

4. Extract the UCS PowerTool modules into the directory you created above by running the following command:

```
unzip ucspowertoolcore.zip -d ~/.local/share/powershell/Modules
```

Note: For CentOS 7 due to an issue with .NET core and LibCurl library UCS PowerTool Core connections will not work. As a workaround follow the below steps.

1. Download the libcurl 7.43.0 version of rpm from [here](#)
2. Run `sudo yum install ./libcurl-openssl-7.43.0-1.1.x86_64.rpm`
3. Add an environment variable to point to the new path of libcurl.

```
export LD_LIBRARY_PATH=/opt/shibboleth/lib64/:$LD_LIBRARY_PATH
```

Starting UCS PowerTool Core

Once the installation of PowerShell and UCS PowerTool Core Suite is completed, follow the steps to start using the PowerTool:

1. Launch UCS PowerTool Core session by running the below command from the shell.

```
pwsh -NoExit -File~/.local/share/powershell/Modules/Start-UcsPowerTool.ps1
```

2. You will now be able to access all the cmdlets available in UCS PowerTool Suite.

New and Changed Features

Key Features in Release 2.5(3)

- Support for the new features in Cisco IMC Release 4.0(4h)
- Support for the new features in Cisco UCS Manager Release 4.0(4f)
- Support for the new features in Cisco UCS Central Release 2.0(1j)

Key features in release 2.5(2)

Following cmdlets are migrated to a new version of API for better performance.

- Get-UCSSoftwareImageList
- Get-UCSSoftwareImage

The above cmdlets in older versions of powertool are deprecated and may not continue to work as expected. Cisco recommends that you upgrade to Cisco UCS PowerTool Core Suite 2.5.2 release to continue using these cmdlets.