



**Hewlett Packard
Enterprise**

RESTful Interface Tool Quick Start

Abstract

This guide provides a brief overview of how to install and use the RESTful Interface Tool to manage servers using the iLO REST APIs. Example scripts and commands can be found on the Hewlett Packard Enterprise GitHub repository.

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Overview

The RESTful Interface Tool is a command line interface that allows you to manage Hewlett Packard Enterprise products that take advantage of RESTful APIs. For this release of the tool, you can manage HPE Gen9 servers running iLO 4 2.00 or later through iLO RESTful APIs. You can install the tool on your computer for remote use or you can install the tool locally on a server with a Windows OS or Linux OS. In addition to using the tool manually to execute individual commands, you can create scripts to automate tasks.

The RESTful Interface Tool can display and set parameters for the following:

- HPE BIOS/UEFI (including secure boot)
- HPE iLO 4/iLO 5
- HPE iLO Repository
- Smart Array support

Installing and starting the RESTful Interface Tool

Requirements

The following is a list of requirements for the server you want to manage with the tool:

- Local management: Gen9 server with a Windows OS or Linux OS (64-bit) installed (If you want to install the tool locally on the server).
- Remote management: Gen9 server with or without an OS installed.
- iLO 4 2.00 or later.
- The install packages are available for download from <http://www.hpe.com/info/resttool>.

Updating the JSON schemas used by the RESTful Interface Tool

If you are using iLO 2.10 or later and the RESTful Interface Tool 1.30 or later, the JSON schemas are automatically updated. If you are using an earlier version of iLO or an earlier version of the RESTful Interface Tool, you must manually get the latest JSON schemas from the SPP located in the `\hp_restful_api` directory. Copy the schema files to the appropriate directory:

- Windows
`\Program Files\Hewlett Packard Enterprise\HP RESTful Interface Tool\`
- Linux
`/usr/share/hprest`

Installing the RESTful Interface Tool

The following installation steps describe how to install the tool in a Windows OS or Linux OS.

Windows

Procedure

1. Download the RESTful Interface Tool (Windows MSI package) from <http://www.hpe.com/info/resttool>.
2. Install the package on the server you prefer to manage for local management. For remote management, install the package on a laptop or server that has access to the managed server network.

Linux

1. Download the RESTful Interface Tool (Linux RPM package) from <http://www.hpe.com/info/resttool>.
2. Install the installation package on the server you prefer to manage for local management. For remote management, install the package on a laptop or server that has access to the managed server network.

Starting the RESTful Interface Tool

Windows

Procedure

1. Click the Start menu.
2. Click **Hewlett Packard Enterprise > HPE RESTful Interface Tool**.
3. Right-click the **HPE RESTful Interface Tool** prompt, and then click **Run as Administrator**.

Linux

1. Open a terminal window.
2. To start interactive mode, run the command `/usr/sbin/iloREST` (using administrator privileges).

RESTful Interface Tool Modes of operation

The RESTful Interface Tool has three modes of operation. By default, the interactive mode is utilized when you start the RESTful Interface Tool. With Scriptable Mode, you can use a script that gives commands to the RESTful Interface Tool. File-Based mode allows you to use a script that gives commands to the RESTful Interface Tool and use a file to load and save settings.

Interactive mode

Interactive mode is started when you run the RESTful Interface Tool without any command line parameters. The `ilorest>` prompt is displayed and you can enter commands one at a time. You can exit the interactive mode by entering the `exit` command at the prompt. On Windows systems, double-click `ilorest.exe` to start an interactive session. You must be an administrator to run `ilorest.exe`.

Scriptable mode

Scriptable mode is used if you want to script all the commands with the use of an external input file. The script contains a list of the RESTful Interface Tool command lines that let users get and set properties of server objects.

File-based mode

File-based mode allows you to save and load settings from a file. This is similar to the `conrep.dat` files used by CONREP. File-based mode supports the JSON format.

Where to find additional RESTful Interface Tool information

Go to <https://hewlettpackard.github.io/python-redfish-utility/> to find more information about the RESTful Interface Tool, including the following:

- Commands for the RESTful Interface Tool
- Macro Commands and Scripts
- Script Examples
- Error Codes

Support and other resources

Websites

Website	Link
Hewlett Packard Enterprise Information Library	www.hpe.com/info/enterprise/docs
Hewlett Packard Enterprise Support Center	www.hpe.com/support/hpesc
Contact Hewlett Packard Enterprise Worldwide	www.hpe.com/assistance
Subscription Service/Support Alerts	www.hpe.com/support/e-updates
Software Depot	www.hpe.com/support/softwaredepot
Customer Self Repair	www.hpe.com/support/selfrepair
Single Point of Connectivity Knowledge (SPOCK) Storage compatibility matrix	www.hpe.com/storage/spock
Storage white papers and analyst reports	www.hpe.com/storage/whitepapers

Support and other resources

Accessing Hewlett Packard Enterprise Support

- For live assistance, go to the Contact Hewlett Packard Enterprise Worldwide website:
<http://www.hpe.com/assistance>
- To access documentation and support services, go to the Hewlett Packard Enterprise Support Center website:
<http://www.hpe.com/support/hpesc>

Information to collect

- Technical support registration number (if applicable)
- Product name, model or version, and serial number
- Operating system name and version
- Firmware version
- Error messages
- Product-specific reports and logs

- Add-on products or components
- Third-party products or components

Accessing updates

- Some software products provide a mechanism for accessing software updates through the product interface. Review your product documentation to identify the recommended software update method.

- To download product updates:

Hewlett Packard Enterprise Support Center

www.hpe.com/support/hpesc

Hewlett Packard Enterprise Support Center: Software downloads

www.hpe.com/support/downloads

Software Depot

www.hpe.com/support/softwaredepot

- To subscribe to eNewsletters and alerts:

www.hpe.com/support/e-updates

- To view and update your entitlements, and to link your contracts and warranties with your profile, go to the Hewlett Packard Enterprise Support Center **More Information on Access to Support Materials** page:

www.hpe.com/support/AccessToSupportMaterials

 **IMPORTANT:**

Access to some updates might require product entitlement when accessed through the Hewlett Packard Enterprise Support Center. You must have an HPE Passport set up with relevant entitlements.

Customer self repair

Hewlett Packard Enterprise customer self repair (CSR) programs allow you to repair your product. If a CSR part needs to be replaced, it will be shipped directly to you so that you can install it at your convenience. Some parts do not qualify for CSR. Your Hewlett Packard Enterprise authorized service provider will determine whether a repair can be accomplished by CSR.

For more information about CSR, contact your local service provider or go to the CSR website:

<http://www.hpe.com/support/selfrepair>

Remote support

Remote support is available with supported devices as part of your warranty or contractual support agreement. It provides intelligent event diagnosis, and automatic, secure submission of hardware event notifications to Hewlett Packard Enterprise, which will initiate a fast and accurate resolution based on your product's service level. Hewlett Packard Enterprise strongly recommends that you register your device for remote support.

If your product includes additional remote support details, use search to locate that information.

Remote support and Proactive Care information

HPE Get Connected

www.hpe.com/services/getconnected

HPE Proactive Care services

www.hpe.com/services/proactivecare

HPE Proactive Care service: Supported products list

www.hpe.com/services/proactivecaresupportedproducts

HPE Proactive Care advanced service: Supported products list

www.hpe.com/services/proactivecareadvancedsupportedproducts

Proactive Care customer information

Proactive Care central

www.hpe.com/services/proactivecarecentral

Proactive Care service activation

www.hpe.com/services/proactivecarecentralgetstarted

Warranty information

To view the warranty for your product or to view the *Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products* reference document, go to the Enterprise Safety and Compliance website:

www.hpe.com/support/Safety-Compliance-EnterpriseProducts

Additional warranty information

HPE ProLiant and x86 Servers and Options

www.hpe.com/support/ProLiantServers-Warranties

HPE Enterprise Servers

www.hpe.com/support/EnterpriseServers-Warranties

HPE Storage Products

www.hpe.com/support/Storage-Warranties

HPE Networking Products

www.hpe.com/support/Networking-Warranties

Regulatory information

To view the regulatory information for your product, view the *Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products*, available at the Hewlett Packard Enterprise Support Center:

www.hpe.com/support/Safety-Compliance-EnterpriseProducts

Additional regulatory information

Hewlett Packard Enterprise is committed to providing our customers with information about the chemical substances in our products as needed to comply with legal requirements such as REACH (Regulation EC No 1907/2006 of the European Parliament and the Council). A chemical information report for this product can be found at:

www.hpe.com/info/reach

For Hewlett Packard Enterprise product environmental and safety information and compliance data, including RoHS and REACH, see:

www.hpe.com/info/ecodata

For Hewlett Packard Enterprise environmental information, including company programs, product recycling, and energy efficiency, see:

www.hpe.com/info/environment

Documentation feedback

Hewlett Packard Enterprise is committed to providing documentation that meets your needs. To help us improve the documentation, send any errors, suggestions, or comments to Documentation Feedback (docsfeedback@hpe.com). When submitting your feedback, include the document title, part number, edition, and publication date located on the front cover of the document. For online help content, include the product name, product version, help edition, and publication date located on the legal notices page.