



Hewlett Packard
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HPE iLO License Key Installation Instructions

Abstract

This guide provides information about installing HPE iLO license keys.

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Installing HPE iLO license keys

iLO license installation methods

You can use the following methods to install an iLO license:

- [iLO web interface](#)
- [RESTful Interface Tool](#)
- [iLO Federation](#)
- [iLO CLI](#)
- [XML scripting](#)

Installing an iLO license key by using the iLO web interface

Prerequisites

- You have an iLO user account with the Configure iLO Settings privilege.
- Your iLO license is supported on the server on which you want to install it.
- You obtained an iLO license activation key.

Procedure

1. Locate your license activation key.
2. Log in to iLO.
3. Click **Administration** in the navigation tree, and then click the **Licensing** tab.
4. Enter a license key in the **Activation Key** box.

To move the cursor between the segments in the **Activation Key** box, press the **Tab** key or click inside a segment of the box. The cursor advances automatically when you enter data into the segments of the **Activation Key** box.

If you install a license key on a server that already has a key installed, the new key replaces the installed key.

After you install a license key, only the last five digits are displayed in iLO. Hewlett Packard Enterprise recommends recording and saving your license key information in case it is needed later.

5. Click **Install**.

iLO prompts you to confirm that you have read and accept the EULA.

6. Click **I agree**.

The license key is now enabled.



Installing an iLO license key by using the RESTful Interface Tool

Prerequisites

- You have an iLO user account with the Configure iLO Settings privilege.
- Your iLO license is supported on the server on which you want to install it.
- You obtained an iLO license activation key.

Procedure

1. Locate your license activation key.
2. Download the RESTful Interface Tool (Windows MSI package, or Linux RPM package) from <https://hewlettpackard.github.io/python-redfish-utility/>.
3. Install the RESTful Interface Tool.
4. Locate the folder where you installed the RESTful Interface Tool.
5. Create a `License.json` file based on the following sample, and save it in the same folder as the RESTful Interface Tool.

Sample license JSON file:

```
{
  "body": {
    "LicenseKey": "XXXXXX-XXXXXX-XXXXXX-XXXXXX-XXXXXX"
  },
  "path": "/rest/v1/managers/1/LicenseService"
}
```

6. In your `License.json` file, replace the default `LicenseKey` value with your valid key, and then save the changes.
7. Open a command prompt and navigate to the folder containing the utility and the JSON file.
8. Enter a command similar to the following:

```
ilorest.exe rawpost license.json --url hostname or IP address -u user name
-p password
```

For example:

```
ilorest.exe rawpost license.json --url mydl360server.mydomain.com -u adminaccount
-p myadminpass123
```

If the command is successful, the following message appears: `The operation completed successfully.`

Installing an iLO license key by using iLO Federation

The **Group Licensing** page displays the license status for members of a selected iLO Federation group. Use the following procedure to enter a key to activate iLO licensed features.

Prerequisites

- You have an iLO user account with the Configure iLO Settings privilege.
- Each member of the iLO Federation group has granted the Configure iLO Settings privilege to the group.
- Your iLO license is supported on the selected servers.



- You obtained an iLO license activation key that is authorized for the number of selected servers.
- The iLO configuration and the network configuration meet the prerequisites for using the iLO Federation features.

Procedure

1. Locate your license activation key.
2. Log in to iLO.
3. Click **iLO Federation** in the navigation tree, and then click the **Group Licensing** tab.
4. (Optional) To filter the list of affected systems, click a license type or status link.

For example: If you install a license key on a server that already has a key installed, the new key replaces the installed key. If you do not want to replace existing licenses, click **Unlicensed** in the **Status** section to install licenses only on servers that are unlicensed.

5. Enter a license key in the **Activation Key** box.

To move the cursor between the segments in the **Activation Key** box, press the **Tab** key or click inside a segment of the box. The cursor advances automatically when you enter data into the segments of the **Activation Key** box.

After you install a license key, only the last five digits are displayed in iLO. Hewlett Packard Enterprise recommends recording and saving your license key information in case it is needed later.

6. Click **Install**.

iLO prompts you to confirm that you have read and accept the EULA.

The EULA details are available in the License Pack option kit.

7. Click **I agree**.

The license is installed and the **License Information** section is updated to show the new license details for the selected group.

Installing an iLO license key by using the iLO CLI

Prerequisites

- You have an iLO user account with the Configure iLO Settings privilege.
- Your iLO license is supported on the server on which you want to install it.
- You obtained an iLO license activation key.

Procedure

1. Locate your license activation key.
2. Open a connection in an SSH client application, such as PuTTY.
3. Leave the SSH port as **22**, and the **Connection type** as **SSH**.
4. At the login prompt, enter your user name and password.
The `iLO->` prompt appears.
5. To navigate to the license page, enter `cd map1/oemHPE_license1`, and then enter `show`.



The license information is displayed, including the license type (oemHPE_name1), and the license key. The license key is partially redacted for security reasons.

6. To add a license, replace the oemHPE_key1 value with your 5X5 license key by entering the following command:

```
oemHPE_licenseinstall License Key
```

Valid formats for entering a license key follow:

- oemHPE_licenseinstall "AAAAA-BBBBB-CCCCC-DDDDD-EEEE"
- oemHPE_licenseinstall AAAAA-BBBBB-CCCCC-DDDDD-EEEE
- oemHPE_licenseinstall AAAAABBBBBCCCCDDDDDEEEEE
- oemHPE_licenseinstall "AAAAABBBBBCCCCDDDDDEEEEE"

The following output is displayed:

```
status=0
status_tag=COMMAND COMPLETED
Timestamp
New license key installed.
```

Installing iLO license keys by using XML scripting

You can use XML commands and an advanced scripting interface to install licenses. This method is useful when you want to roll out license keys as part of a large-scale server deployment. Scripts are XML files written for a scripting language called RIBCL. The following methods are available:

- HPQLOCFG—A Windows command-line utility that sends XML configuration and control scripts over the network to iLO.
- HPONCFG—A local online scripted setup utility that runs on the host and passes RIBCL scripts to the local iLO. This utility requires the iLO Channel Interface Driver.

You do not need to enter the server IP address or FQDN when you use this utility. User account credentials are required when iLO is set to a security state higher than Production.

- LOCFG—A custom iLO scripting environment that includes a Perl sample you can use to send RIBCL scripts to iLO over the network. For more information about this option, see the *HPE iLO 5 Scripting and Command Line Guide*.

Installing a single license by using HPQLOCFG

Prerequisites

- You have an iLO user account with the Configure iLO Settings privilege.
- Your iLO license is supported on the server on which you want to install it.
- You obtained an iLO license activation key.

Procedure

1. Locate your license activation key.
2. Download and install HPQLOCFG.

You can download the software at the following website: <http://www.hpe.com/support/iLO5>.



3. Locate the folder that contains HPQLOCFG.
4. Copy the `License.xml` script file into the same folder as HPQLOCFG.

You can obtain a sample script file at <https://www.hpe.com/support/ilo5> or create the file based on the following sample script.

```
<RIBCL VERSION="2.0">
  <LOGIN PASSWORD="password" USER_LOGIN="adminname">
    <RIB_INFO MODE="write">
      <LICENSE>
        <ACTIVATE KEY="11223-34455-66778-89900-AABBC"/>
      </LICENSE>
    </RIB_INFO>
  </LOGIN>
</RIBCL>
```

5. Open a command prompt and navigate to the folder that contains HPQLOCFG and the `License.xml` file.
6. Edit the `License.xml` file.

- a. Open the `License.xml` file.
- b. Enter the iLO user account credentials for the system on which you want to install a license.

For example:

```
<LOGIN USER_LOGIN="adminuser" PASSWORD="adminpassword">
```

- c. Enter the license key you purchased.

For example:

```
<ACTIVATE KEY="ABCDE-FGHIJ-KLMNO-PQRST-UVWXY"/>
```

- d. Save and close the `License.xml` file.

7. Use the following command to install the license:

```
hpqlocfg.exe -s IPAddress/FQDN -f xmlFileName.xml
```

For example:

```
hpqlocfg.exe -s mydl360server.mydomain.com -f License.xml
```

Installing a single license by using HPONCFG

Prerequisites

- You have an iLO user account with the Configure iLO Settings privilege.
- Your iLO license is supported on the server on which you want to install it.
- You obtained an iLO license activation key.

Procedure

1. Locate your license activation key.
2. Download and install HPONCFG.

You can download the software at the following website: <http://www.hpe.com/support/iLO5>.

3. Locate the folder that contains HPONCFG.
4. Copy the `License.xml` script file into the same folder as HPONCFG.

You can obtain a sample script file at <https://www.hpe.com/support/ilo5> or create the file based on the following sample script.

```
<RIBCL VERSION="2.0">
  <LOGIN PASSWORD="password" USER_LOGIN="adminname">
    <RIB_INFO MODE="write">
      <LICENSE>
        <ACTIVATE KEY="11223-34455-66778-89900-AABBC"/>
      </LICENSE>
    </RIB_INFO>
  </LOGIN>
</RIBCL>
```

5. Open a command prompt and navigate to the folder that contains HPONCFG and the `License.xml` file.
6. Edit the `License.xml` file.

- a. Open the `License.xml` file.
- b. (Optional) Enter the iLO user account credentials for the system on which you want to install a license.

For example:

```
<LOGIN USER_LOGIN="adminuser" PASSWORD="adminpassword">
```

When you use HPONCFG with the iLO security state set to any state higher than Production, a username and password are required.

- c. Enter the license key you purchased.

For example:

```
<ACTIVATE KEY="ABCDE-FGHIJ-KLMNO-PQRST-UVWXY"/>
```

- d. Save and close the `License.xml` file.

7. Use the following command to install the license:

```
hponcfg.exe -f xmlFileName.xml
```

! **IMPORTANT:** On Windows systems using HPONCFG, enter `/f` instead of `-f`. For more information, see the *HPE iLO 5 Scripting and Command Line Guide*.

For example:

Linux:

```
hponcfg.exe -f License.xml
```

Windows:

```
hponcfg.exe /f License.xml
```

Verifying license installation

After you install a license, verify that installation was successful.



Procedure

- No installation error messages are displayed.
- You can view information about your installed licenses.

For instructions, see the *HPE iLO Licensing Guide*.



Support and other resources

Accessing Hewlett Packard Enterprise Support

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

<https://www.hpe.com/support/hpesc>

Hewlett Packard Enterprise Support Center: Software downloads

<https://www.hpe.com/support/downloads>

My HPE Software Center

<https://www.hpe.com/software/hpesoftwarecenter>

- To subscribe to eNewsletters and alerts:
<https://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:
<https://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.

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

<https://www.hpe.com/services/getconnected>

HPE Proactive Care services

<https://www.hpe.com/services/proactivecare>

HPE Datacenter Care services

<https://www.hpe.com/services/datacentercare>

HPE Proactive Care service: Supported products list

<https://www.hpe.com/services/proactivecaresupportedproducts>

HPE Proactive Care advanced service: Supported products list

<https://www.hpe.com/services/proactivecareadvancedsupportedproducts>

Proactive Care customer information

Proactive Care central

<https://www.hpe.com/services/proactivecarecentral>

Proactive Care service activation

<https://www.hpe.com/services/proactivecarecentralgetstarted>

Warranty information

To view the warranty information for your product, see the links provided below:

HPE ProLiant and IA-32 Servers and Options

<https://www.hpe.com/support/ProLiantServers-Warranties>

HPE Enterprise and Cloudline Servers

<https://www.hpe.com/support/EnterpriseServers-Warranties>

HPE Storage Products

<https://www.hpe.com/support/Storage-Warranties>

HPE Networking Products

<https://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:

<https://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:

<https://www.hpe.com/info/reach>

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

<https://www.hpe.com/info/ecodata>

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

<https://www.hpe.com/info/environment>

Documentation feedback

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