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HPE iLO mobile app for iOS

User Guide

Abstract

The HPE iLO mobile app provides access to the remote console, web interface, and scripting features of HPE ProLiant servers.

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iLO mobile app

The HPE iLO mobile app provides access to the remote console of an HPE ProLiant server from your mobile device. The mobile app interacts directly with the iLO processor on ProLiant servers, providing total control of the server at all times as long as the server is plugged in. For example, you can access the server when it is in a healthy state, or when it is powered off with a blank hard drive. As an IT administrator, you can troubleshoot problems and perform software deployments from almost anywhere.

The iLO mobile app allows you to perform the following tasks:

- Operate the server power switch.
- Use the Remote Console to interact with the operating system, including BIOS and ROM configuration changes.
- Mount an ISO CD/DVD image from an image file hosted on a web server (http or https). The disk image is available on the server as a USB CD/DVD drive. You can boot from the CD/DVD image and deploy an operating system.
- Launch iLO scripts and monitor their progress.
- Access the iLO web interface.
- Store the list of servers you want to manage.

iLO mobile app limitations

- ProLiant servers with iLO 3 or later are supported. All ProLiant G7, Gen8, and Gen9 servers are supported, except for ProLiant G7 100 series servers with Lights-Out 100i.
- You must have network access to the iLO systems you want to manage. When connecting from the cellular network, you might have to reconfigure a firewall or set up a VPN.

  You can connect through a firewall using a VPN or you can open/forward the following ports:

  - **HTTP**: Port 80
  - **HTTPS**: Port 443
  - **Remote Console**: Port 17990

  The ports listed in this section are the default values. You can view or change the port settings on the **Administration→Access Settings** page in the iLO web interface.

  For information about how to use VPN functionality with your mobile device, see your device user guide.
- The following features require an iLO license on the server:

  - iLO Virtual Media
  - Remote Console—This feature is included on ProLiant Blade servers. A license is required on all other servers.
  - Scripting—This feature is available on all servers, but a license is required for the scripting of certain features such as iLO Virtual Media.

  For information about iLO licensing, see **http://www.hpe.com/info/ilo/licensing**.
- The iLO mobile app can consume significant network bandwidth. When using the cellular network, monitor your data use if you do not have an unlimited data plan. Consider using Wi-Fi when possible.

Adding iLO systems

1. Tap + on the iLO list page.
2. Enter following information:
   - iLO DNS name or IP address
   - Login name
   - Password

   You can enter this information manually, or you can tap to scan a QR code.

   For information about creating QR codes, see “Creating a QR code” (page 4).
3. To specify whether you want to save the login credentials, tap .

   Login credentials are saved only if the connection to iLO is successful.
4. To specify whether you want to add this iLO to the **Favorites** list, tap .
5. To save this iLO and return to the iLO list page, tap **Save**.

   The iLO system is displayed in the list using the DNS name or IP address you entered. After a successful connection is made, the iLO system description is displayed below the DNS name or IP address.

Creating a QR code

1. Download and install a QR code generator.
2. Create a QR code with the code type set to **text**.
3. Enter the iLO network address, login name, and password in the following format: **address;login_name;password**.
4. To save the QR code, follow the on-screen instructions.

Viewing the list of iLO systems

To view the list of iLO systems, open the iLO mobile app.

- To view only the iLO systems in the **Favorites** list, tap **Favorites**.
- To view all iLO systems in the list, tap **All**.
- To view the iLO systems you have accessed, tap **History**
- Drag the horizontal bar icon to change the list order.

Editing the list of iLO systems

1. Tap **Edit** on the iLO list page.
2. Tap the row of the iLO system you want to edit.
3. Update the iLO details, and then click **Save**.

Deleting an iLO system

1. Tap **Edit** on the iLO list page.
2. Tap and then tap **Delete**.

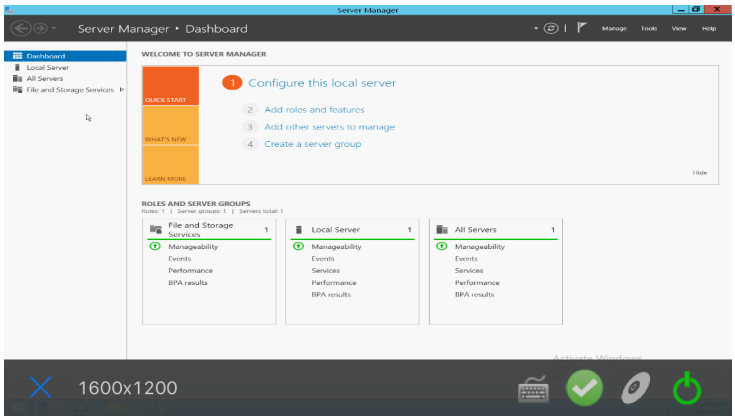
   You can also swipe an iLO system in the list from right to left, then tap **Delete**.
3. Tap **Back** to return to the system list.

Starting the Remote Console

1. Tap an iLO system on the iLO list page.
2. Tap **Remote Console**.
3. If prompted, enter the iLO login credentials.

Remote Console usage

The iLO mobile app displays the server console in full screen mode with a virtual mouse and keyboard.



Access the Remote Console features from the status bar icons. To show or hide the status bar, tap once with two fingers.

You can perform the following actions from the status bar:

- To access the Virtual Power Switch, tap .
- To use the Virtual Media feature, tap .

- To show the iLO web interface, tap the server health icon. This icon represents the server health, and might be gray, green, yellow, or red. Depending on the server status, one of the following icons is displayed: , , , or .

  When you start the web interface, no additional login is required.

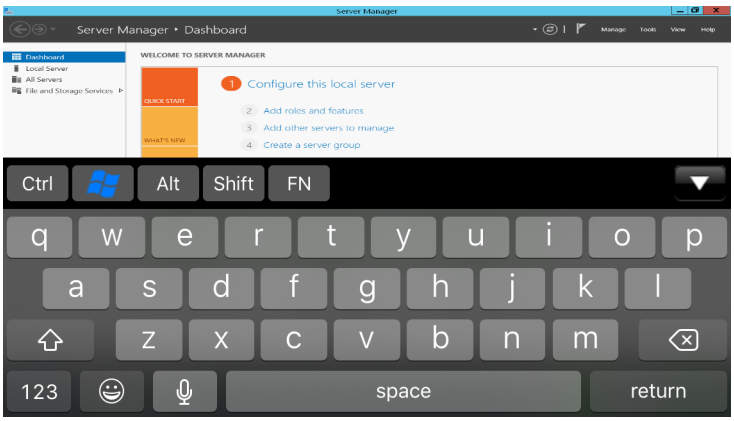
  To return to the Remote Console, tap **X**.
- To access the keyboard, tap .
- To disconnect from iLO, tap **X**.

  If you are idle for a specified amount of time, iLO will disconnect your session. You can configure the time limit in the iLO web interface.

For more information about using the Remote Console, see the iLO user guide.

Mobile app keyboard usage

The iLO mobile app adds functionality to the standard keyboard.



- Tapping the following keys is equivalent to pressing and holding down the key: **Ctrl**, **Alt**, **Shift**.
- Tapping **FN** makes the following keys available:
  - Function keys
  - Cursor control keys
  - **ESC**
  - **Tab**
  - **SysRq**

  To return to the standard keyboard, tap **ABC**.
- Tapping the **Home** (Windows) key on Windows systems opens the **Start** menu.
- Use the iLO mobile app keyboard functionality to enter special key commands not available on the standard keyboard.

  For example, to enter **Ctrl+Alt+Del**, tap **Ctrl** and **Alt**, and then tap on the standard keyboard.

Supported Remote Console gestures

- **Click/Left-click**: Tap
- **Show or hide the status bar**: Tap once with two fingers

- **Left mouse button double-click**: Double-tap
- **Right-click**: Tap and hold for 1 second
- **Select and drag**: Touch and hold, then drag the selected item
- **Zoom in or out**: Pinch the screen
- **Pan**: Drag with two fingers

Launching a script stored on a web server

1. Tap an iLO system on the iLO list page.
2. Tap **Scripting**.
3. To add a script, tap +.

   The app prompts you to enter the full URL for an iLO RIBCL script.
4. Enter the URL, and then tap **Save** to return to the **Select Script** page.
5. To run a saved script, tap the script URL in the list.

   The app prompts you to confirm that you want to run the script.
6. Tap **Run**.

   The script progress and results are displayed.



If you saved the iLO login information when you added the iLO system to the mobile app, the app uses the saved credentials when you run a script. If you did not save the iLO login credentials, the app uses the login credentials provided in the XML script.

For more information about using scripts, see the iLO scripting and command line guide.

Starting the iLO web interface

1. Tap an iLO system on the iLO list page.
2. Tap **Home Page**.

For more information about using the iLO web interface, see the iLO user guide.

To disconnect from iLO, tap **X** .

Clearing the iLO mobile app history

1. To view the list of iLO systems accessed through the mobile app, tap **History**.
2. Tap **Clear**.
3. When prompted to confirm the request, tap **Yes**.

Unable connect to an iLO system with the iOS mobile app

Symptom

The connection fails when you try to connect to an iLO system by using the iOS mobile app.

Solution 1

Cause

iLO is configured incorrectly or there is a local network problem.

Action

To confirm this cause, try to connect to iLO by using a laptop or desktop computer on the same network as iLO. If the connection fails, check the iLO and network configuration.

Solution 2

Cause

There is a firewall between your iOS device and iLO.

Action

To confirm this cause, try to connect to iLO from the Safari browser on your iOS device.

Do one of the following:

- Configure the firewall to allow exceptions for the iLO web server SSL port (HTTPS) and the Remote Console port. By default, the web server SSL port uses port 443 and the Remote Console port uses port 17990.
- Configure iLO to work with the exceptions allowed by most firewalls. Typically, firewalls allow exceptions for addresses on ports 80 and 443. Change the iLO web server Non-SSL Port from the default value (80) to another value, and then configure the Remote Console port to use port 80.

  You can configure the iLO port values on the **Administration→Access Settings** page in the iLO web interface.
- Use a VPN connection to connect your iOS device to the network.

  A VPN connection typically involves obtaining an Oath token or something similar and an account from your IT department. After configuring the VPN on your iOS device, use the Oath token to generate a onetime password, and then log in to the network that includes the iLO you want to use.

  Contact your IT administrator for information about how to set up a VPN on your iOS device.

iLO mobile app feedback

Send feedback about this app to **iLO@hpe.com**.