

Hewlett Packard
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# HPE iLO mobile app for Android

## User Guide


**Abstract**

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



Part Number: 690350-004
Published: August 2016
Edition: 1

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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 + Configure iLO on the **Select iLO** page.
2. Enter following information:
   - iLO DNS name or IP address
   - Login name
   - Password

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

   For information about creating QR codes, see “Creating a QR code” (page 4).
3. To save the login credentials, tap **Yes**.

   Login credentials are saved only if the connection to iLO is successful.
4. To add this iLO to the **Favorites** list, tap **Yes**.
5. Tap **Done**.

   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 and hold an iLO system in the list on the **Select iLO** page.
   The app prompts you to edit or delete the selected iLO system.
2. Tap **Edit**.
3. Edit the iLO information.
4. Tap **Overwrite**.

## Deleting an iLO system from the list

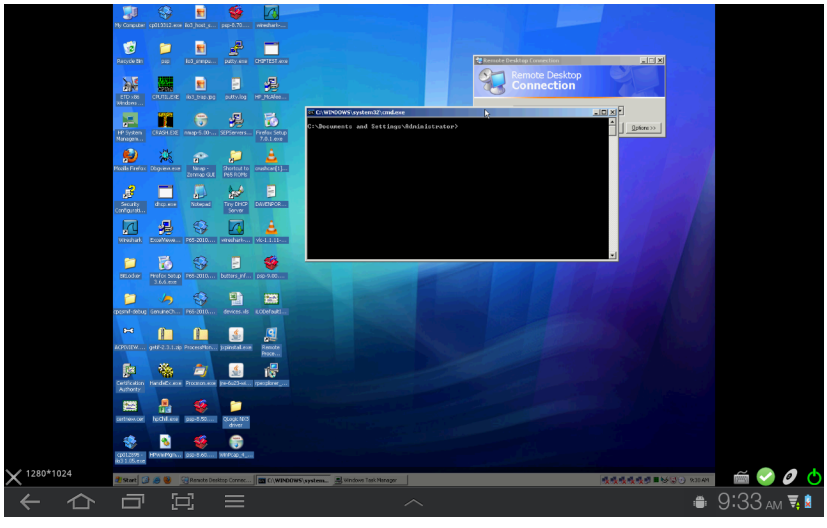
1. Tap and hold an iLO system in the list on the **Select iLO** page.
   The app prompts you to edit or delete the selected iLO system.
2. Tap **Delete**.

## Starting the Remote Console

1. Tap an iLO system on the **Select iLO** 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.

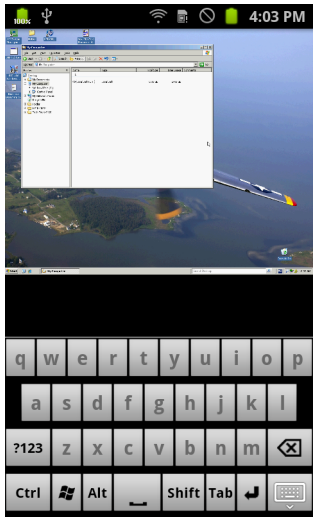
  To return to the Remote Console, tap **X** or tap the **Back** button.
- To access the keyboard, tap .
- To disconnect from iLO, tap **X** or tap the **Back** button.

  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 uses a customized keyboard.




- Tapping the following keys is equivalent to pressing and holding down the key: **Ctrl**, **Alt**, **Shift**. When a key is pressed, it is displayed in green.
- Tapping **?123** makes the following keys available:
  - Numbers and symbols
  - Cursor control keys
  - **ESC**
  - **DEL**
  - To access the function keys, tap **FN**, **Tab**, **SysRq**, and **ABC**. 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 to enter special key commands not available on the standard keyboard.

  For example, tap **?123** to access the extended keyboard, and then tap the **Ctrl**, **Alt**, and **DEL** keys to enter **Ctrl+Alt+Del**.

## 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 **Select iLO** page.
2. Tap **Launch Script**.
3. To add a script, tap **Add Script**.

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

   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 **Select iLO** page.
2. Tap **iLO Web Interface**.

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

To disconnect from iLO, tap **X** or tap the **Back** button.

## 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 **OK**.

## iLO mobile app feedback

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

## 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** |
| iLO | **www.hpe.com/info/ilo** |
| iLO Information Library | **www.hpe.com/info/ilo/docs** |