Lenovo XClarity Mobile

Introduction to LXCM
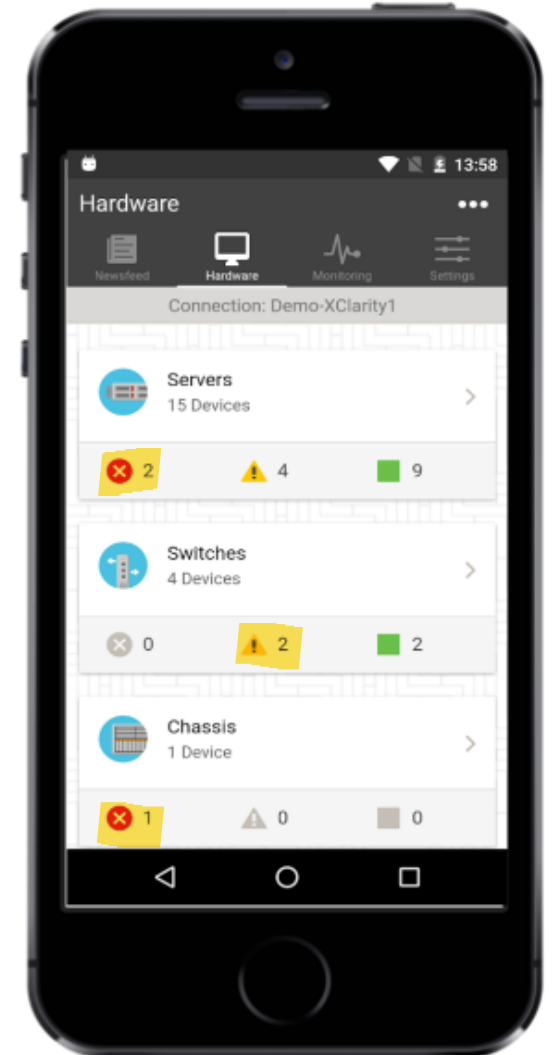
What is Lenovo XClarity Mobile?

Lenovo XClarity Mobile (LXCM) is a mobile app that allows on-the-go monitoring and control of XClarity-managed systems. LXCM can be used to do the following:

- Link to multiple instances of LXCA
- Receive notifications of selected events and alerts
- See detailed inventory and status information of all managed devices
- See graphical views of chassis, rack servers, and storage devices
- See alert, event, and job histories
- Control power state, LED state, and network settings
- Trigger FFDC diagnostics collection
- Direct monitoring and control of ThinkSystem servers through a USB connection

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USB-tethered monitoring support for ThinkSystem servers

LXCM can now be used with a direct USB connection to a ThinkSystem server to carry out more local management functions. These functions include:

- Using a mobile device as a traditional LCD display, being able to see properties, status, and events without needing to provide login credentials
  The device can also be used to share and forward this information

- Power and reset actions

- Edit server properties such as contacts and location

- Edit network interface properties

- Management of service data logs

- Manage systems by selecting LXCA instances

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How to use the USB-tethered monitoring feature

Work through the following procedure to set up USB-tethered monitoring.

Click each number in turn to see the procedure.

Step **1**—**2**—**3**—**4**—**5**

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How to use the USB-tethered monitoring feature

To use the USB-tethered monitoring feature, first switch the target server front panel USB port from host to BMC control mode. This can be done in three ways:

- Run the `usbfp` OneCLI command.
- Access the XCC Web interface, and then go to **BMC Configuration → Network → Front Panel USB Port Management**.
- Hold the blue ID location LED on the front panel for at least three seconds until the light blinks every couple of seconds.

Step ①—❷—❸—❹—❺

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How to use the USB-tethered monitoring feature

Connect the phone to the front panel USB 2.0 port on the ThinkSystem server. Make sure that the USB cable used supports both data transfer and charging.

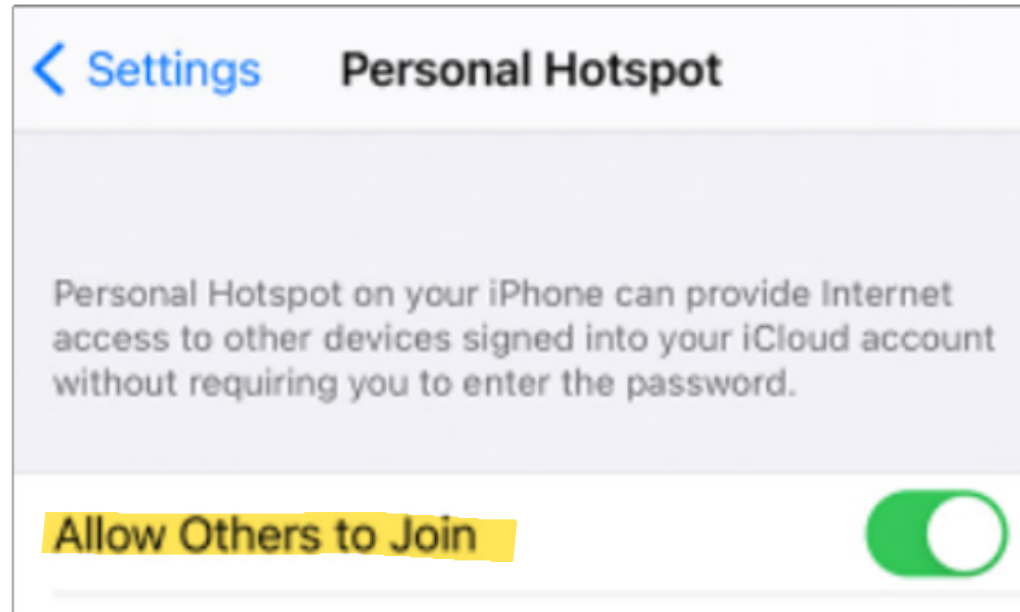Note: Only the USB 2.0 port supports the USB-tethered monitoring feature, and it is indicated by a wrench icon 🔧.

Step ①—②—③—④—⑤

How to use the USB-tethered monitoring feature

On the mobile device, enable USB tethering.
- For iOS, go to **Settings** → **Cellular** → **Personal Hotspot**.
- For Android, go to **Settings** → **Mobile hotspot and tethering** → **USB tethering**.

< Settings   **Personal Hotspot**

Personal Hotspot on your iPhone can provide Internet access to other devices signed into your iCloud account without requiring you to enter the password.

Allow Others to Join

Step   ❶—❷—③—❹—⑤

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How to use the USB-tethered monitoring feature

Launch the Lenovo XClarity Mobile app on the mobile device. The app can be installed from Apple's AppStore or Android's Play Store.

Google Play

Step ①─②─③─④─⑤

How to use the USB-tethered monitoring feature

The app can be used to collect server information, such as inventory, health, firmware version, network configuration, and latest active events. Depending on the discovery mode setting, this will happen either automatically or be manually controlled.
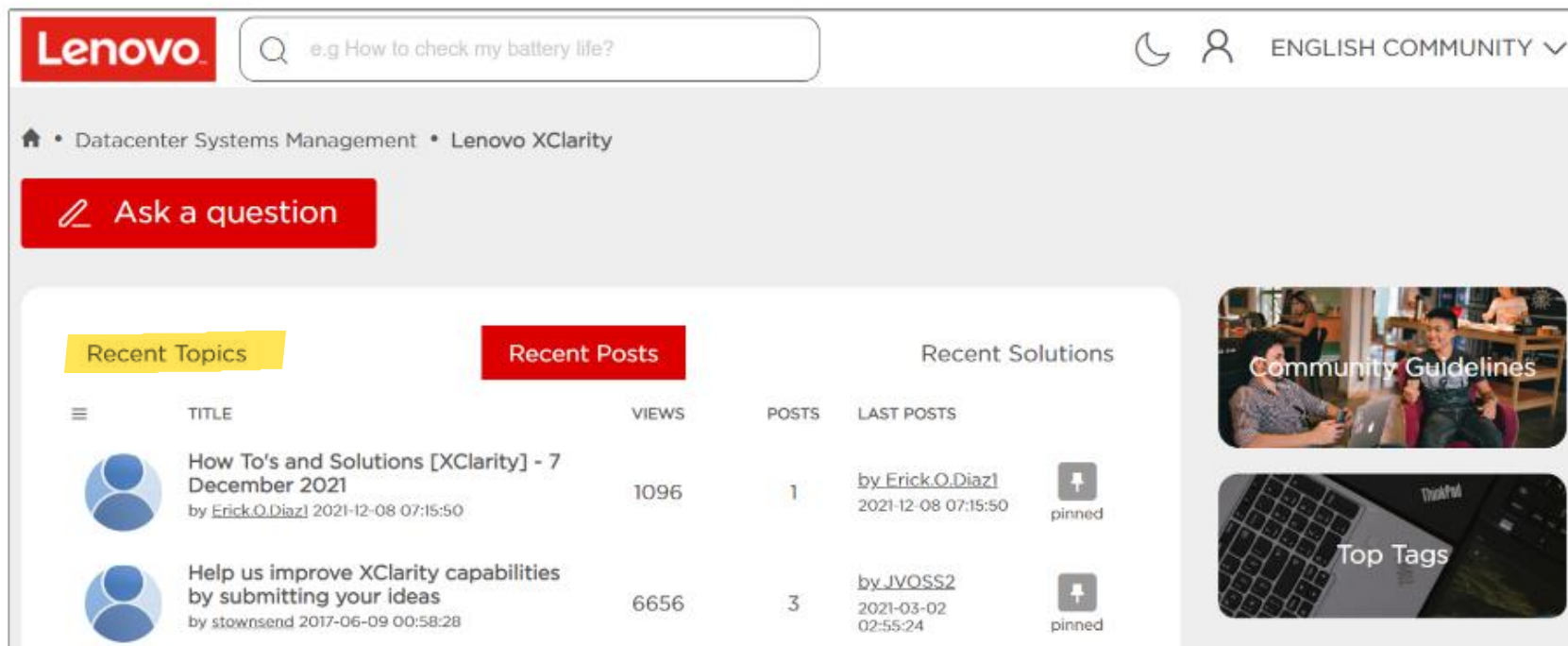
Some functions require the user to provide credentials (the server's XCC username and password), but others are accessible without credentials.

Step ①—②—③—④—⑤

Support for LXCM

- LXCM software is free and does not have a dedicated support channel. Users can post questions and search for solutions on Lenovo support forums.
- The Lenovo XClarity forum can be found at: https://forums.lenovo.com/t5/Lenovo-XClarity/bd-p/xc01_eg

XClarity mobile helpful links

- LXCM documentations website:
https://sysmgt.lenovofiles.com/help/index.jsp?topic=%2Fcom.lenovo.lxca.doc%2Flxca_usemobileapp.html

- LXCM overview video:
https://www.youtube.com/watch?v=cbtq3JlAv4o&list=PLLQclfVNrqzca0EnOs1lP5NoUDF3gxydv&index=18

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