



CHAPTER 5

Performing IMM tasks

Use the functions under the **Tasks** heading in the navigation pane to directly control the actions of the IMM and your server. The tasks that you can perform depend on the server in which the IMM is installed.

You can perform the following tasks:

- View server power and restart activity
- Remotely control the power status of the server
- Remotely access the server console
- Remotely attach a disk or disk image to the server
- Update the IMM firmware

Viewing server power and restart activity

The **Server Power/Restart Activity** area displays the power status of the server when the Web page was generated.

Controlling the power status of a server

The screenshot shows the IMM web interface with the title "Integrated Management Module". The left sidebar shows navigation links: SN# KQ098M5, System (Monitors, System Status, Virtual Light Path, Event Log, Vital Product Data), Tasks (Power/Restart, Remote Control, PXE Network Boot, Firmware Update), IMM Control (System Settings, Login Profiles, Alerts, Serial Port, Port Assignments, Network Interfaces, Network Protocols, Security, Configuration File, Restore Defaults, Restart IMM), and Log Off.

Server Power / Restart Activity

Power:	Off
State:	System power off/State unknown
Restart count:	73
Power-on hours:	2020

Server Power / Restart Control

- [Power On Server Immediately](#)
- [Power On Server at Specified Time](#)
- [Power Off Server Immediately](#)
- [Shut down OS and then Power Off Server](#)
- [Shut down OS and then Restart Server](#)
- [Restart the Server Immediately](#)
- [Schedule Daily/Weekly Power and Restart Actions](#)

Power - This field shows the power status of the server when the current Web page was generated.

State - This field shows the state of the server when the current Web page was generated. The following states are possible:

- System power off/State unknown
- System on/starting UEFI
- System stopped in UEFI (Error detected)
- System running in UEFI
- Booting OS or in unsupported OS (might be in the operating system if the operating system is not configured to support the in-band interface to the IMM)
- OS booted

Restart count - This field shows the number of times that the server has been restarted.



Note The counter is reset to zero each time the IMM subsystem is cleared to factory defaults.

Power-on hours - This field shows the total number of hours that the server has been turned on.

Controlling the power status of a server

The IMM provides full power control over your server with power-on, power-off, and restart actions. In addition, power-on and restart statistics are captured and displayed to show server hardware availability. To perform the actions in the **Server Power/Restart Control** area, you must have Supervisor access to the IMM.

To perform server power and restart actions, complete the following steps.



Note Select the following options only in case of an emergency, or if you are off-site and the server is nonresponsive.

Step 1 Log in to the IMM. For more information, see [Chapter 2, “Opening and using the IMM Web interface”](#).

Step 2 In the navigation pane, click **Power/Restart**. Scroll down to the **Server Power/Restart Control** area.

Step 3 Click one of the following options:

Power on server immediately - Turn on the server and start the operating system.

Power on server at specified time - Turn on the server at a specified time and start the operating system.

Power off server immediately - Turn off the server without shutting down the operating system.

Shut down OS and then power off server - Shut down the operating system and then turn off the server.



Note If the operating system is in screen saver or locked mode when a “Shut down OS and then power off server” request is attempted, the IMM might not be able to initiate a graceful shutdown. The IMM will perform a hard reset or shutdown after the power off delay interval expires, while the OS might still be up and running.

Shut down OS and then restart server - Restart the operating system.



Note If the operating system is in screen saver or locked mode when a “Shut down OS and then restart server” request is attempted, the IMM might not be able to initiate a graceful shutdown. The IMM will perform a hard reset or shutdown after the power off delay interval expires, while the OS might still be up and running.

Restart the server immediately - Turn off and then turn on the server immediately without first shutting down the operating system.

Schedule daily/weekly power and restart actions - Shut down the operating system, turn off the server at a specified daily or weekly time (with or without restarting the server), and turn on the server at a specified daily or weekly time.

A confirmation message is displayed if you select any of these options, and you can cancel the operation if it was selected accidentally.

Other methods for managing the IMM

You can use the following user interfaces to manage and configure the IMM:

- IMM Web interface
- SNMPv1
- SNMPv3
- Telnet CLI
- SSH CLI

■ Controlling the power status of a server