HPE iLO Portfolio

Your server management engine

Traditional server management and provisioning can create unnecessary burdens for many organizations. Information technology (IT) administrators in today's business environments need a more streamlined process to manage servers throughout the IT lifecycle, including tools to help them diagnose problems and procedures for efficiently resolving errors. The key capabilities of HPE iLO are embedded in every HPE ProLiant Compute server.

Out of the box, HPE iLO simplifies server setup, provides access to server health information, enables server management at scale, improves server power and thermal control, as well as basic remote administration.

With HPE iLO management, you can automate common tasks during each step of the server lifecycle, from initial deployment to ongoing management and service alerting. This translates to faster time to deployment, higher server, and application availability through ongoing health monitoring, and significantly quicker time to resolution when issues arise.

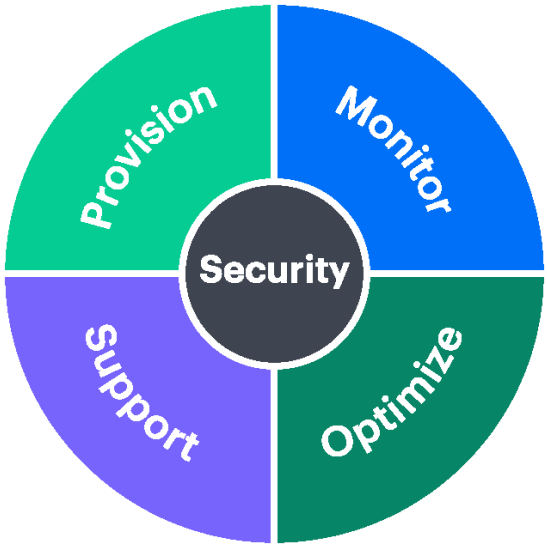


Figure 1. HPE iLO—Core lifecycle management functions built in for instant availability

Key features and benefits

HPE iLO management includes:

Server security

HPE iLO safeguards HPE servers with industry-leading security features. HPE iLO servers security through innovations that protect your HPE servers from attacks, detect potential intrusions, and allow users to recover their firmware securely.

Protect

Remove vulnerabilities that expose infrastructure firmware to malicious attacks with silicon root of trust from HPE. HPE Secure Start uniquely ensures that only HPE signed firmware will boot by validating through the silicon root of trust from HPE, so that you can be confident that your booted firmware is safe. With HPE iLO we have the ability to enforce use of cryptography and algorithms that confirm to Commercial National Security Algorithm (CNSA). HPE iLO also supports 2 factor authentication via Personal Identity Verification (PIV) cards/Common Access Cards (CAC).

Detect

Runtime Firmware Verification ensures that your essential firmware is checked at regular intervals to identify any potential intrusions that may occur post-boot.

Recover

Avoid lasting damage to your business by quickly restoring essential firmware to the factory settings or the last known authenticated safe setting in the unlikely event of a breach. Learn more at hpe.com/info/security.

HPE Agentless Management

HPE Agentless Management runs on HPE iLO, independent of the OS and the main CPU. It offers robust basic server monitoring without the complexity of OS-based agents. The base hardware monitoring and alerting capabilities are built into the system (running on the HPE iLO processor). They start working the moment a power cord and an Ethernet cable are connected to the server.

HPE Active Health System

The HPE Active Health System (AHS) is an essential component of the HPE iLO management portfolio that provides continuous, proactive health monitoring of HPE servers. With the Active Health System Viewer (AHSV), customers with an active warranty or support agreement on Gen8 or newer servers have a web-based portal to easily read their AHS logs and speed problem resolution. Self-repair recommendations for a select set of errors help customers take repair actions without the need for HPE personnel intervention and return server environments to optimum performance quicker. Learn more about AHS and AHSV at hpe.com/servers/ahs.

At the server management

The HPE iLO service port is a USB port for integrated remote console and AHS downloads that gives users direct, front of the server access to HPE iLO. This feature also allows users HPE iLO access without the need to connect and authenticate on your network, making it simpler to access the information needed quickly.

HPE Remote Support

HPE remote support tools monitor your servers 24x7 and proactively alert you to potential problems. The tools work in conjunction with HPE iLO for much easier configuration and setup of remote support. Tools such as HPE OneView and HPE Insight Remote Support offer automated event detection, support case creation, notification, and accurate diagnostics, so you can spend less time solving problems and focus more on IT value-add to your business. For more information, visit: hpe.com/services/getconnected.

HPE Intelligent Provisioning

HPE Intelligent Provisioning is a server deployment and maintenance capability embedded across HPE ProLiant Gen8 and newer servers. With HPE Intelligent Provisioning, you can deploy servers faster to overcome the complexity of server maintenance and deployment.

HPE Intelligent Provisioning is accessible from the HPE iLO browser user interface anytime without having to reboot your server. Learn more at hpe.com/servers/intelligentprovisioning.

Remote access

Remote management capabilities allow users to effortlessly manage servers from the convenience of a laptop or mobile device. Configurable alerts also enable proactive task status and error messages via the UI, email, and SMS so users can stay on top of server health with ease and before errors result in downtime.

Additional Licensed product offerings

HPE iLO Advanced License

HPE iLO Advanced builds on the industry-leading security features of HPE servers by providing premium security capabilities that protect your HPE servers from attacks, detect intrusions and allow you to securely recover essential firmware.

The HPE iLO Advanced license offers smart remote functionality without compromise, for enterprise environments. The license includes the full-integrated remote console, virtual keyboard, video, and mouse (KVM), multi-user collaboration, console record and replay, and GUI-based and scripted virtual media and virtual folders. You can also activate the enhanced security and power management functionality. With this license, your IT managers can perform system administration tasks without physically visiting their servers and management at scale with HPE iLO Federation.

HPE iLO Advanced licenses can be purchased stand-alone or with your HPE ProLiant server order. See the HPE iLO comparison tables listed within the HPE Support Center for features specific to HPE iLO and the HPE iLO Advanced license within your HPE ProLiant server.

Resources

HPE iLO Documentation

HPE iLO QuickSpecs

Learn more at

HPE.com/info/iLO

Visit HPE.com

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