

Overview

HP iLO Management Engine is a complete set of embedded management features supporting the complete lifecycle of the server, from initial deployment, through ongoing management, to service alerting. HP iLO Management Engine comes standard on all HP ProLiant Gen8 Servers. By delivering comprehensive embedded management that covers every step of the server lifecycle for every server in their environment, HP helps customers speed time to deployment, maximize server and application availability through proactive notification, and dramatically accelerate time to resolution when issues do arise. HP iLO Management Engine portfolio includes:

HP iLO: The HP iLO management processor is the core foundation for HP iLO Management Engine. HP iLO for HP ProLiant servers simplify server setup, engage health monitoring and power and thermal control, and promote remote administration for HP ProLiant ML, DL, BL and SL servers. HP iLO functions out-of-the-box without additional software installation and functions regardless of the servers' state of operation. Basic system board management functions, diagnostics, and essential Lights-Out functionality ships standard, with all HP ProLiant Gen8 rack, tower, blade and scalable servers. Furthermore with the new HP iLO customers have the ability to access, deploy, and manage their servers from their Smartphone or tablet devices.

HP Agentless Management: With HP iLO Management Engine in every HP ProLiant Gen8 server, the base hardware monitoring and alerting capability is built into the system (running on the HP iLO chipset) and starts working the moment that a power cord and an Ethernet cable is connected to the server. This means that:

- All core management is out-of-band for increased security and stability: no OS software required, no open SNMP port on the OS and zero downtime updates
- Monitor and Alerting on key internal server components: fans, hard drives (including cash modules), power supplies failures
- HP Systems Insight Manager (HP SIM) can see the system and will give customers preview of the System Health Summary and Sub-System Details

HP Active Health System: HP Active Health System is an essential component of the HP iLO Management Engine. It provides customers with:

- Diagnostics tools/scanners wrapped into one
- Always on, continuous monitoring for increased stability and shorter downtimes
- Rich configuration history
- Health and service alerts
- Easy export and upload to Service and Support

HP Remote Support: Embedded Remote Support functions builds on the already established HP Insight Remote Support (version 7.05 or greater) application that can run either on a stand-alone central system, or as a plug-in to HP Systems Insight Manager. Key parts of that technology now are part of the HP iLO Management Engine and are ready to start working for you, after a few keystrokes on a single activation screen.

HP Intelligent Provisioning (previously known as SmartStart): HP Intelligent Provisioning offers the ability for out-of-the box single-server deployment and configuration without the need for media. HP SmartStart is replaced by Intelligent Provisioning which is initiated by hitting F10 during server POST. There is no media kit included with ProLiant Gen8 servers and BladeSystem Gen8 servers.

- The new HP Intelligent Provisioning takes strengths from products like the former SmartStart, ProLiant Support Packs, and Firmware DVD, then enhances them with Smart Update Manager and driver and firmware updates via the Service Pack for ProLiant (SPP). Intelligent Provisioning provides:
 - The latest ease of use features and places them where you can use them instantly: on the system board, thereby replacing the 2 SmartStart CDs and the Firmware DVD with embedded deployment capability for Gen8 servers. This integrated administrator has everything you need for painless single server system setup and deployment. Best of all, this capability is completely Agentless for improved performance.

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- Deployment Settings allows editing a collection of configuration and deployment settings, saving them in a portable package. and deploying them to the server or multiple servers remotely via iLO. In summary, this feature provides the ability to automatically configure and install remote ProLiant systems using the resulting deployment settings.

HP iLO Advanced - For customers wanting advanced functionality, such as graphical remote console, multi-user collaboration, and video record/playback can be activated with the optional HP iLO Advanced or HP iLO Advanced for BladeSystem licenses. The Advanced licensed features offer sophisticated remote administration of servers in dynamic data center and remote locations and can help significantly reduce cost associated with IT-related travel and unplanned downtime. Also with the new HP iLO is the ability to access, deploy, and manage your server anytime from anywhere with your Smartphone device

For more information visit www.hp.com/go/ilomanagementengine

What's New

- **HP Intelligent Provisioning (previously known as SmartStart)**
 - Offers the ability for out-of-the box single-server deployment and configuration without the need for media. HP SmartStart is replaced by Intelligent Provisioning which is initiated by hitting F10 during server POST. There is no media kit included with ProLiant Gen8 servers and Bladesystem Gen8 servers.
 - Deployment Settings allows editing a collection of configuration and deployment settings, saving them in a portable package. and deploying them to the server or multiple servers remotely via iLO. In summary, this feature provides the ability to automatically configure and install remote ProLiant systems using the resulting deployment settings.
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