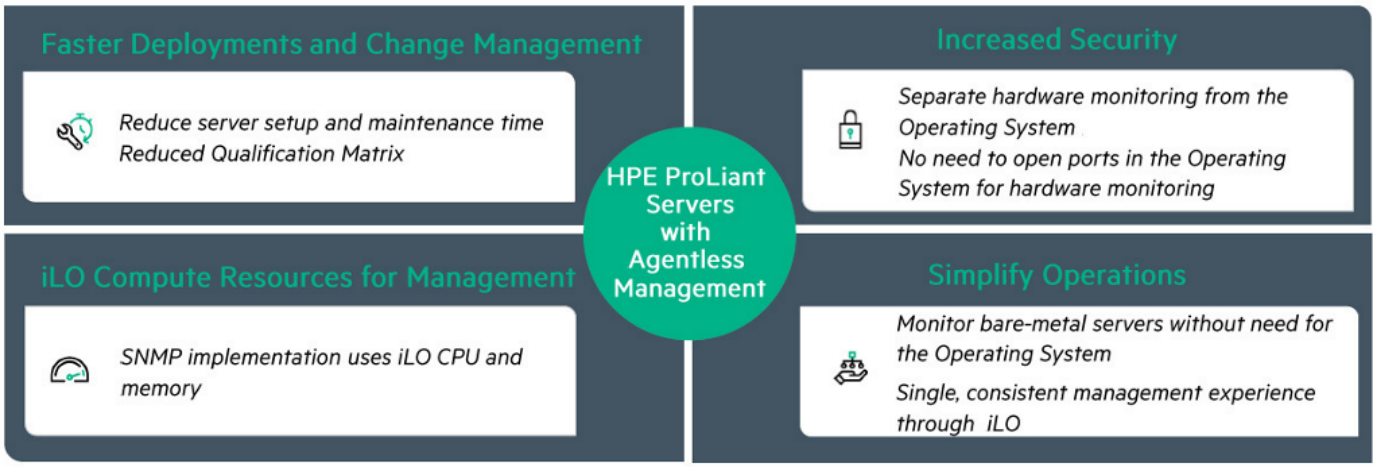
HPE Agentless Management



What's new

- Support for Gen10 Servers and options.
- System Management Assistant (SMA) makes it possible for SNMP information from the iLO to be routed via the Operating System to consuming applications. Communication interface is similar to AMS.
- Monitor Smart Array and disks attached to it from the iLO directly.
- Logical and Physical view of disk information for disks connected to Smart Array.
- Monitoring of NVMe disks attached to enablement kits with the help of the Agentless Management Service.
- Software Inventory with the help of the Agentless Management Service.

Overview

Tired of installing agents on your servers to monitor them? With the HPE Agentless Management solution, the management software (SNMP and Redfish) operate within the HPE Integrated Lights-Out (iLO) firmware instead of the host's Operating System (OS) freeing up memory and processor resources on the host's OS for use by server applications. No agents in the OS means no opening up networks ports reducing security threats, especially for those platforms that may interface directly to the Internet. With HPE Agentless Management in addition to monitoring all key internal subsystems (such as thermal, power, and memory), iLO sends SNMP management alerts directly to any Datacenter Information Management system such as HPE OneView, HPE System Insight Manager (SIM) etc., even with no host OS installed or running.

The optional HPE Agentless Management Service can collect and send specific OS and device information that cannot communicate with the iLO, to the iLO via the PCIe bus.

Features

iLO Firmware and Optional HPE Agentless Management Service Monitoring Capabilities

The iLO firmware provides SNMP capabilities without need for an OS, thereby making it possible to monitor bare-metal servers, ideal for cloud environments where agents cannot be landed on tenant stacks. iLO supports the SNMP v3 protocol which is secure.

The optional HPE Agentless Management Service provides information that is OS specific.

The HPE Agentless Management Service is also needed to monitor low end devices such as Chipset attached SAS/SATA, these are usually devices that don't have the ability to communicate with peers such as the iLO and hence cannot be monitored by iLO directly

The HPE Agentless Management Service communicates with the iLO via the iLO CHIF driver over the PCIe bus. Since it does not communicate on the network, no network ports need to be open making the system less vulnerable to attacks.

The SNMP implementation uses the iLO CPU and memory thereby freeing up the resources that can be used by the application stack.

Additional Benefits

HPE Agentless Management offers a consistent Graphic User Interface (GUI) for configuration regardless of the host OS.

An intelligent asynchronous device, iLO, on the physical server providing a single network target to monitor and manage the device.

A well-documented and robust scripting toolkit based on industry-standard XML/RESTful API to deploy and configure many servers from a single configuration point such as HPE OneView, HPE SIM, HPE Insight Control.

The capability to segregate the management network from the data network using the dedicated iLO Network port for out-of-band communication, increased security and stability.

No need to install any software to manage communication across host LAN ports, or for you to enable management network protocol ports on the host OS.

Customer Value

Faster deployments and change management

Increased Security

Improved Performance

Simplified Operations

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Advisory & Professional services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Support services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

— **HPE Complete Care Service:** a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

— **HPE Tech Care Service:** the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

For additional technical information, available models and options, please reference the QuickSpecs

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Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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