



OpenVMS as a Guest on HP Integrity Virtual Machine

Overview

OpenVMS has leveraged HP virtualization technologies to improve resource utilization and allocation, assist in consolidation of systems, and reduce management overhead. With the introduction of OpenVMS V8.4, customers can run OpenVMS as a guest operating system instance on HP's hypervisor, HP Integrity Virtual Machine v4.2.

OpenVMS in a virtualized environment enables OpenVMS to be part of a Converged Infrastructure – reducing 'IT sprawl' – and offering increased server utilization, reduced floor space and power costs, and faster deployment of new environments. With virtualization, you can share hardware resources among a number of operating system instances that are running side-by-side on the same server, offering opportunities to reduce total cost of ownership (TCO). Dynamic resourcing is built-in, allowing you to dynamically and automatically adjust the resources used by a virtual machine based on ever-changing business requirements.

The benefits of OpenVMS in a virtualized environment include:

- Potential opportunity to decrease total cost of ownership (TCO) with reduced:
 - Licensing costs
 - Management overhead
 - Real estate costs
 - Power expenses
- Hardware consolidation opportunities

Advantages of OpenVMS V8.4 as a Guest on HP Integrity VM

As a guest on Integrity VM, OpenVMS has developed features to optimize its performance and has support for additional management capabilities. These include:

➤ Accelerated Virtual I/O (AVIO):

With OpenVMS V8.4 as a guest on HP Integrity VM, I/O bandwidth is increased between the guest and the network or storage area network (SAN) with special drivers that reduce the virtualization I/O overhead. This improves performance by 20 to 30 percent over standard virtualized I/O of an unmodified guest.



➤ HP Insight Dynamics—Virtual Server Environment (VSE) support:

Key components of HP Insight Dynamics-VSE v6.0 support OpenVMS v8.4, enabling OpenVMS nodes to be managed through the Insight Dynamics-VSE central management server. In an OpenVMS guest environment, Insight Dynamics-VSE enables capacity planning and management of physical and virtual resources. Insight Dynamics-VSE reduces the complexity of managing the data center with its suite of tools, including:

- Capacity Advisor: Provides information needed to increase server utilization, reduce power consumption, and improve application performance
- Global Workload Manager: Automatically allocates resources among multiple workloads to increase server utilization while meeting service levels for high-priority applications
- Virtualization Manager: Enables visual representation and configuration of physical and virtual resources

With leading virtualization solutions and utility pricing options for OpenVMS on HP Integrity servers, you experience greater operational efficiencies with lower operating costs—because you pay only for what you need.

More information

More information about OpenVMS v8.4 is available at www.hp.com/go/openvms.

Availability & Ordering Information

HP OpenVMS v8.4 is now available, and HP Integrity Virtual Machine v4.2 PK1 and HP Insight Dynamics-VSE must be purchased separately.