



HP OpenVMS V8.4 Cluster Software Update

Overview

HP OpenVMS cluster software provides a highly integrated computing environment distributed over multiple servers — delivering high availability, scalability, and flexibility. A cluster allows you to connect systems of all sizes and capacities to achieve a single, easy-to-manage virtual system, enabling an application to operate across multiple nodes simultaneously. If one node fails, another node can seamlessly assume the workload.

HP OpenVMS cluster software has always set the 'gold standard' when it comes to disaster tolerance. With OpenVMS V8.4, we raise the bar further.

Advances in OpenVMS V8.4 cluster technology deliver these benefits:

- Cost-effective clustering: Clustering over TCP/IP for all cluster communications
- Improved scalability
- Improved performance

Clusters over TCP/IP

OpenVMS V8.4 offers advances in clustering technology, including the use of industry-standard TCP/IP networking to bring efficiencies to cluster interconnect technology, eliminating the need to route dedicated systems communications services (SCS) traffic over costly LAN bridging or Layer 2 services. In addition, Layer 2 services are not always available as a telecommunications service in many countries.

With OpenVMS V8.4, the use of TCP/IP for all cluster communications can both simplify and reduce the cost of deploying a multi-site, disaster-tolerant cluster.

Improvements in Performance and Scalability

➤ Distributed Lock Manager (DLM)

The performance of customer applications and relational databases that utilize the distributed lock manager (DLM) is improved by enabling dedicated CPU resources to perform locking operations.



➤ Cluster communication module

Enhancements to the cluster communication module improve communication between nodes in an OpenVMS cluster. The module supports both LAN and TCP/IP for cluster communications.

The OpenVMS PEdriver implements the network interconnect system communication architecture providing cluster communication between systems in an OpenVMS cluster. Enhancements in the PEdriver can provide significant performance benefits to customers' applications, by using multiples channels for cluster communications. In one test environment, the performance of back-up jobs was improved by over 50 percent.

More information

More information about HP OpenVMS cluster software for Version 8.4 is available at:

<http://h71000.www7.hp.com/openvms/products/clusters/index.html>

Availability & Ordering Information

HP OpenVMS cluster software for V8.4 is included as a part of HP OpenVMS V8.4 High-Availability Operating Environment and is available immediately. HP OpenVMS cluster software for V8.4 can also be purchased separately.