



FAQs on Migration from EMS to WBEM-Based Hardware Diagnostics Solution

This document provides answers to frequently asked questions about migration from EMS-based hardware diagnostics solution to WBEM-based hardware diagnostics solution.

1. Why is Online Diagnostics (OnlineDiag) discontinued?

OnlineDiag functions within the Event Monitoring Service (EMS) framework that employs the HP proprietary protocol for monitoring system hardware. With increasing complexity of hardware in the data center, there is a growing demand for simplifying IT infrastructure management. As a result HP has introduced the next generation hardware diagnostics solution that employs industry standard protocols for monitoring system hardware. The industry standard protocols are Distributed Management Task Force (DMTF) Common Information Model (CIM) and the DMTF Web Based Enterprise Management (WBEM). Because HP wants to move away from proprietary-based hardware diagnostics solution to standards-based hardware diagnostics solution, OnlineDiag is discontinued.

2. Is OnlineDiag discontinued on all hardware platforms?

No. OnlineDiag is discontinued on the new servers beyond Intel® Itanium® Montvale processor-based HP Integrity servers.

Starting with the HP-UX 11i v3 March 2009 release, OnlineDiag will be in the obsolescence mode on the following HP servers:

- HP 9000 servers
- Intel® Itanium® Montvale processor-based HP Integrity servers and earlier

3. Does the scope of OnlineDiag discontinuance include EMS Framework and EMS High Availability (HA) monitors?

No. The OnlineDiag discontinuance is limited to the OnlineDiag product that includes the Event Monitoring Service (EMS) Hardware Monitors and Support Tools Manager (STM). The product ID of the OnlineDiag product is B6191AAE.

4. What is the alternate hardware diagnostics solution to OnlineDiag?

Starting with the HP-UX 11i v3 March 2009 release, OnlineDiag will be in the obsolescence mode on the following HP servers:

- HP 9000 servers
- Intel® Itanium® Montvale processor-based HP Integrity servers and earlier

On new servers beyond Intel® Itanium® Montvale processor-based HP Integrity servers, the relevant hardware diagnostics solution will be available through System Fault Management

(SFM), in conjunction with HP System Management Homepage (SMH) and other WBEM providers. You can use SMH plug-ins such as evweb and SMH Property pages to obtain relevant OnlineDiag functionality on a WBEM-based hardware diagnostics solution.

5. Are EMS hardware alerts supported?

EMS hardware alerts generated from OnlineDiag continue to be supported on:

- HP 9000 servers
- Intel® Itanium® Montvale processor-based HP Integrity servers and earlier

EMS hardware alerts generated by OnlineDiag are not supported on servers beyond Intel® Itanium® Montvale processor-based HP Integrity servers. However, EMS alerts that are not generated by OnlineDiag are not affected by the OnlineDiag discontinuance. For example, EMS HA alerts are not affected by OnlineDiag discontinuance.

6. How is OnlineDiag treated on a guest virtual machine (VM) running on new servers beyond Intel® Itanium® Montvale processor-based HP Integrity servers? Will the migration result in any change?

No. On an HP virtual machine, the OnlineDiag function remains the same. HP VM does not support the complete functionality of OnlineDiag. The OnlineDiag components running on the HP VM detect errors that are specific to the HP VM and do not detect hardware errors occurring on the underlying physical system. For detecting hardware errors in such cases, you must use System Fault Management (SFM) on the underlying physical machine.

7. Why should I migrate to WBEM-Based hardware diagnostics?

OnlineDiag is discontinued on all new servers beyond Intel® Itanium® Montvale processor-based HP Integrity servers. New features and enhancements to server hardware diagnostics will be available only on WBEM-based hardware diagnostics solution and not on EMS-based hardware diagnostics solution. To plan for OnlineDiag discontinuance, you must migrate from EMS-based hardware diagnostics solution to WBEM-based hardware diagnostics solution.

For more information, see the *EMS-Based to WBEM-Based Hardware Monitoring Solution migration guide* available at <http://docs.hp.com/en/diag.html>.

8. What are the benefits of migrating to WBEM-based hardware diagnostics?

The benefits of using WBEM-based hardware diagnostics solution are:

- Provides DMTF CIM WBEM standards compliant hardware diagnostics solution.
- Enables unified infrastructure management by integrating with HP Systems Insight Manager (SIM) and HP SMH.
- Provides remote supportability by means of integration of WBEM providers with HP Remote Support Pack (RSP).
- Provides the health status of various hardware devices. The WBEM-based hardware monitoring also provides the follow-the-red path for locating, isolating, and troubleshooting hardware devices.

9. How do I obtain WBEM-based hardware diagnostics?

The WBEM-based hardware diagnostics is available on the Operating Environment (OE) media for HP-UX 11i v3 systems. Alternatively, you can download the solution from the HP Software Depot web page at <http://h20392.www2.hp.com/portal/swdepot/index.do>.

The WBEM-based hardware diagnostics include SFM, SASPROVIDER, FCPROVIDER, RAIDSAPROVIDER, and WBEMP-Storage products.

10. What tools can take advantage of WBEM-standard-based hardware diagnostics solution?

All WBEM-compliant tools can take advantage of the WBEM-standard-based hardware diagnostics solution. The HP SMH and HP SIM tools consume WBEM information. Because WBEM is an industry standard, other third party tools that are WBEM-compliant can also take advantage of the WBEM-standard-based hardware diagnostics solution.

11. Is there any document that explains how to migrate from EMS to WBEM-based hardware diagnostics solution?

Yes. For information about how to migrate from EMS to WBEM-based hardware diagnostics solution, see the *EMS-Based to WBEM-Based Hardware Monitoring Solution migration guide* available at <http://docs.hp.com/en/diag.html>.

12. Is there any document that compares the terminology and capabilities of EMS and WBEM-based hardware diagnostics solution?

Yes. The *EMS-Based to WBEM-Based Hardware Monitoring Solution migration guide* available at <http://docs.hp.com/en/diag.html>, provides a comparison of terminologies and capabilities of EMS to WBEM-based hardware diagnostics solution.