

HP WBEM Services Software Developers Kit for HP-UX 11iv2 on Integrity Servers, Version A.01.05, Release Notes

HP-UX



Manufacturing Part Number: T1434-90008

Sept 03

U.S.A.

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Announcement

The following information is for version A.01.05 of HP WBEM Services Software Developers Kit for HP-UX 11iv2.0 on Integrity Servers (WBEM Services SDK).

HP WBEM Services Software Developers Kit for HP-UX 11iv2.0 on Integrity Servers is available from <http://software.hp.com>.

The WBEM Services SDK is the software developer's kit for the HP WBEM Services for HP-UX product. It provides application developers with the tools they need to develop CIM client applications and provider modules for HP WBEM Services for HP-UX.

HP WBEM Services for HP-UX and HP WBEM Services Software Developers Kit for HP-UX 11iv2.0 on Integrity Servers are HP's implementation of the DMTF (Distributed Management Task Force) WBEM (Web-Based Enterprise Management) standard for the HP-UX Operating Environment.

The WBEM Services SDK is a set of APIs that contain the components necessary for developers to write management applications that communicate with DMTF WBEM standard compliant devices. Developers can also use the SDK to develop providers to enable managed objects to communicate with the CIM Server. Providers get information about the managed objects and fulfill requests on behalf of client applications.

The APIs represent and manipulate CIM objects. These APIs represent CIM objects as C++ classes. Programmers can use these interfaces to describe managed objects and retrieve information about managed objects on a WBEM-enabled system.

Provider API

Provider APIs are interfaces that the CIM Server and object providers use to communicate with each other. Providers can use these interfaces to provide the CIM Server a particular kind of dynamic data. When an application requests dynamic data from the CIM Server, the CIM Server uses these interfaces to pass the request to the provider that registered to be the provider.

Client API

Client APIs are interfaces that the CIM Clients use to communicate with the CIM Server. Programmers can use these interfaces to retrieve information about Managed objects on a WBEM-enabled system.

What's In This Version

This is the first version of HP WBEM Services Software Developer's Kit that supports HP Integrity Servers.

The WBEM SDK for HP-UX 11iv2, Version A.01.05.05 product contains the following:

- C++ header files containing the Client API and Provider API
- Examples:
 - Sample Clients
 - Enumerate Instances Client
 - Invoke Method Client
 - Sample Providers
 - Instance Provider
 - Method Provider
- Product Documentation
 - Provider and Client Developer's Guide
 - API descriptions in HTML format
 - README file for example providers and clients

For information about the HP WBEM Services for HP-UX product, refer to the following documentation:

- *HP WBEM Services for HP-UX Administrator's Guide*, B8465-90001, available from <http://docs.hp.com> -> network and systems management.
- *HP WBEM Services for HP-UX Version A.01.05 for HP-UX 11iv2 Release Notes*, B8465-90009 available from <http://docs.hp.com> -> network and systems management.

For information about DMTF, WBEM, and CIM standards, go to <http://www.dmtf.org>.

Compatibility Information and Installing Requirements

- **Software requirements:**

The following software must be installed on the system:

- HP-UX 11iv2
- HP WBEM Services for HP-UX 11iv2 (bundle B8465BA) .
- a CC C/C++ compiler for HP-UX (bundle B3913DB)

- **Hardware Requirements:**

This release of WBEM Services SDK is supported on HP Integrity Servers.

- **OS Platform and Version Compatibility:**

This version of WBEM SDK runs on HP-UX 11iv2 Integrity Servers.

- **Disk space required to install:**

- /opt 1800 Kbytes
- /var 50 Kbytes

Installing HP WBEM Services Software Developer's Kit

You need to log in to the system as root (uid=0) to install the software for the HP WBEM Services Software Developers Kit for HP-UX 11iv2.0 on Integrity Servers.

Software is made available for HP-UX in Software Depot (SD) format as a single SD depot. Before installing the software, be sure that you have already installed the following software on your system:

- HP-UX 11iv2 on Integrity Servers
- HP WBEM Services for HP-UX Version A.01.05.05

To install the software, download the product from <http://software.hp.com>. Copy the downloaded depot file to a local directory on your system, then run the SD-UX `swinstall` command and follow the instructions to install the software from the depot.

The file sets that make up the HP WBEM Services Software Developers Kit for HP-UX 11iv2.0 on Integrity Servers product are:

- WBEMSDK-CPLUS, the Software Developers Kit itself
- WBEMSDK-DOC, the manual for the Software Developers Kit

To verify, enter this command at the end of the install:

```
swverify T1434BA
```

When the software has been installed correctly, `swverify` posts this message: Verification succeeded

You may also build any of the examples included in the WBEM Services SDK to verify that the installation was fully successful. Refer to the README files (`/opt/wbem/sample/Clients/README` and `/opt/wbem/sample/Providers/README`) for detailed instructions.

The files in the following six directories are copied to the target system by the installation procedure:

- `/opt/wbem/html` (Developer's Guide HTML files)
- `/opt/wbem/include/Pegasus/Client` (Client API C++ header files)
- `/opt/wbem/include/Pegasus/Common` (CIM classes C++ header files)
- `/opt/wbem/include/Pegasus/Provider` (Provider API C++ header files)
- `/opt/wbem/sample/Clients` (Sample clients C++ source, Makefile)
- `/opt/wbem/sample/Providers` (Sample providers C++ source, Makefile)

Removing HP WBEM Services Software Developer's Kit

Use the SD-UX `swremove` command to remove the HP WBEM Services Software Developers Kit for HP-UX 11iv2.0 on Integrity Servers software:

```
swremove T1434BA
```

The WBEM Services SDK must be removed *before* removing the WBEM Services software.

Patches and Fixes in This Version

There are no patches or fixes in this version.

Software Availability in Native Languages

HP WBEM Services Software Developers Kit for HP-UX 11iv2.0 on Integrity Servers is available only in English