

HP WBEM Services Software Developer's Kit Version A.02.09.10 Release Notes

HP-UX 11i v3

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Contents

1 HP WBEM Services Software Developer's Kit Version A.02.09.10 Release

Notes.....	4
Announcement.....	4
Provider API.....	4
Client API.....	4
What is in this version?.....	4
Compatibility information and installation requirements.....	6
Installing HP WBEM Services Software Developer's Kit for HP-UX.....	6
HP WBEM for HP-UX directory structure.....	7
Removing HP WBEM Services SDK.....	7
Patches and fixes in this version.....	7
Required and recommended patches.....	7
Fixes.....	7
Known problems and workarounds.....	7
Software availability in native languages.....	7

1 HP WBEM Services Software Developer's Kit Version A.02.09.10 Release Notes

Announcement

The following information is for version A.02.09.10 of HP WBEM Services Software Developer's Kit (SDK).

HP WBEM Services Software Developer's Kit is available from <http://software.hp.com>.

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

HP WBEM Services and HP WBEM Services Software Developer's Kit are HP's implementation of the Distributed Management Task Force (DMTF) Web-Based Enterprise Management (WBEM) standard for the HP-UX Operating Environment.

The HP WBEM Services SDK is a set of APIs that consist of the components necessary for developers to write management applications that communicate with the 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 process requests on behalf of the 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 providers use to communicate with each other. Providers 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 registered provider.

Client API

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

What is in this version?

The HP WBEM Services Software Developer's Kit, Version A.02.09.10 is now available with HP WBEM Services product.

The SDK for version A.02.09.10 contains the following:

- C++ header files containing the Client API and Provider API
- Examples:
 - Following sample clients are available with this version:
 - Associations
 - Enumerate Instances Client
 - Invoke Method Client

- Localization Client
- Send Indications Client
- Following sample providers are available with this version:
 - Associations Provider
 - Indication Consumer
 - Indication Provider
 - Instance Provider
 - Localization Provider
 - Method Provider
- Product Documentation
 - *Provider and Client Developer Guide*
 - API descriptions in HTML format

For information about the HP WBEM Services product, see the following documentation:

- *HP WBEM Services Software Developer's Kit for HP-UX Provider and Client Developer's Guide*, T1434-90009, available from www.hp.com/go/hpux-networking-docs -> HP-UX 11i WBEM Software.
- *HP WBEM Services Administrator Guide*, available from www.hp.com/go/hpux-networking-docs -> HP-UX 11i WBEM Software.
- *HP WBEM Services Version A.02.09.10 Release Notes*, available from www.hp.com/go/hpux-networking-docs -> HP-UX 11i WBEM Software.

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

Compatibility information and installation requirements

- HP-UX Software requirements:

Table 1 Software requirements and OS platform/version compatibility

SDK Product Number	HP-UX Version	Compiler	HP WBEM Services Version
WBEMSDK A.02.09.10	11i v3	aCC C/C+ (Bundle B9007AA)	A.02.09.10
WBEMSDK A.02.09.08	11i v3 11i v2	aCC C/C+ (Bundle B9007AA)	A.02.09.08
WBEMSDK A.02.09.06	11i v3	aCC C/C+ (Bundle B9007AA)	A.02.09.06
WBEMSDK A.02.09.04	11i v2 11i v3	aCC C/C+ (Bundle B9007AA)	A.02.09.04
WBEMSDK A.02.09.02	11i v2 11i v3	aCC C/C+ (Bundle B9007AA)	A.02.09.02
WBEMSDK A.02.09	11i v2 11i v3	aCC C/C+ (Bundle B9007AA)	A.02.09
WBEMSDK A.02.07.06	11i v1	aCC C/C+ (Bundle B9007AA)	A.02.07.x

NOTE: WBEMSDK version A.02.09.06 and A.02.09.10 are not available for HP-UX 11i v2.

- HP-UX disk space required to install:
 - 3312 KB in the `/opt` directory
 - 184 KB in the `/var` directory

Installing HP WBEM Services Software Developer's Kit for HP-UX

Log in to the system as `root` (`uid=0`) to install the software for the HP WBEM Services Software Developer's Kit.

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

- 11i v3.
- HP WBEM Services for HP-UX Version A.02.09.10.

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 available with the HP WBEM Services Software Developer's Kit product are:

- WBEMSDK-CPLUS, A.02.09.10 - C++ fileset
- WBEMSDK-C+COM, A.02.09.10 - C++ COM fileset
- WBEMSDK-DOC, A.02.09.10 - Document fileset

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

```
swverify WBEMSDK
```

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

Verification succeeded

HP WBEM for HP-UX directory structure

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

- /opt/wbem/html/DefaultC++ (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/Consumer (CIM classes C++ header files)
- /opt/wbem/include/Pegasus/Provider (Provider API C++ header files)
- /opt/wbem/samples/Clients/DefaultC++ (Sample clients C++ source, Makefile)
- /opt/wbem/samples/Providers/DefaultC++ (Sample providers C++ source, Makefile)

Removing HP WBEM Services SDK

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

Use the SD-UX `swremove` command to remove the HP WBEM Services Software Developer's Kit software:

```
swremove WBEMSDK
```

Patches and fixes in this version

This section contains recommended patches and addresses any known problems and workarounds.

Required and recommended patches

There are no known required patches for this version.

Fixes

There are no fixes in this version.

HP WBEM Services SDK is updated to version A.02.09.10 to match with the HP WBEM Services product version A.02.09.10.

Known problems and workarounds

There are no known problems for this version.

Software availability in native languages

The product is supported only in English locale (`LANG=C`). Behavior of the product is unpredictable when `LANG` value is set to any other language code other than `C`. Documentation support for this product is also available only in English locale.