

HP-UX AAA Server A.06.01.02.07 Release Notes

HP-UX 11.00, 11i v1, 11i v2

**Documentation Website:
www.docs.hp.com**



i n v e n t

**Manufacturing Part Number : T1428-90051
E0404**

U.S.A.

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HP-UX AAA Server A.06.01.02.07

The information in this document is for the HP-UX AAA Server A.06.01.02.07 only.

Product Overview

The HP-UX AAA Server utilizes the industry standard Remote Authentication Dial-In User Service (RADIUS) protocol to provide user-based authentication, authorization and accounting of network access. At the network entry point, the HP-UX AAA Server provides:

- authentication for network access devices
- authorization of user access
- accounting (access) log files of that can be utilized by billing and accounting applications

The HP-UX AAA Server supports RADIUS and EAP (Extensible Authentication Protocol) over RADIUS compliant devices including:

- Network Access Servers (NAS)
- LAN switches *
- LAN hubs *
- Wireless LAN (WLAN) access points *

** Note: device must be RADIUS/EAP enabled*

Merit (default) and Livingston accounting style formats are supported to ensure interoperability with a wide variety of billing and mediation applications. Store account information in any of the following repositories for users accessing the network through the HP-UX AAA Server:

- local AAA server configuration files
- LDAP version 3 compliant directories **
- Oracle 8.1.7 and 9.2.0.2.0 databases (9.2.0.2.0 databases are supported only on HP-UX 11i v2) **

*** AAA server offers support for authentication request load balancing and failover*

The HP-UX AAA Server also includes the following features:

- DHCP support for centralized administration of IP Address assignment
- SNMP support for effective management
- web-based administration with the Server Manager graphic user interface
- session management capabilities
- a full suite of support utilities

Product Documentation

In addition to these Release Notes, HP provides the following two guides to support the HP-UX AAA Server A.06.01.02.07:

- *HP-UX AAA Server A.06.01 Getting Started Guide* (MPN #T1428-90049)
 - Product and Technology Overview
 - Installation
 - Basic Tasks
- *HP-UX AAA Server A.06.01 Administrator's Guide* (MPN #T1428-90050)
 - Administering HP-UX AAA Servers
 - Managing and Authenticating Users
 - Troubleshooting
 - Reference

NOTE The Getting Started Guide explains the initial set-up and configuration. Start with this introductory guide to install and become familiar with the product.

The Administrator's Guide contains complete product documentation. Refer to this guide after using the Getting Started Guide to install and become familiar with the product.

You can find the HP-UX AAA Server documentation at the following locations:

- the product directories in `/opt/aaa/share/doc/`
- the Server Manager interface Help system
- the HP Technical Documentation website on the Internet and Security Solutions page at: <http://www.docs.hp.com>

IMPORTANT Monitor <http://www.docs.hp.com> for the most recently released product documentation.

Wireless-LAN Documentation—The 802.1x Advisor

The 802.1x Advisor is an HTML help system in the Server Manager GUI that walks-you-through the tasks and Server Manager screens for securing WLANs with the HP-UX AAA Server. The 802.1x Advisor provides information only—it does not edit configuration files. Follow the 802.1x Advisor and use Server Manager to create and deploy basic AAA configurations for securing WLANs. Refer to the HP-UX AAA Server Administrator's Guide for complete HP-UX AAA Server documentation.

What's New in the HP-UX AAA Server A.06.01.02.07

The HP-UX AAA Server A.06.01.02.07 is an update release containing defect fixes. The A.06.01.02.07 release of the HP-UX AAA Server does not deliver any new features or functionality. The defect fixes included in this release are described in the following section.

Fixes Included in the HP-UX AAA Server A.06.01.02.07

The following is a list of the defect fixes included in the HP-UX AAA Server A.06.01.02.07:

- Updated the HP-UX AAA Server to include OpenSSL library version *0.9.7c + Patch* (JAGaf16043).
- Point-to-Point Tunneling Protocol (PPTP) sessions using MS-CHAP version 1 with the Cisco VPN 3000 Concentrator no longer fail (JAGaf13606).

Compatibility Information and Installation Requirements

The information in this section lists the requirements needed to install and run the HP-UX AAA Server A.06.01.02.07, including the following:

- Hardware Requirements
- Operating System Requirements
- Product Requirements
- Patch Requirements
- Web Browser Requirements
- LDAP Compatibility

Hardware Requirements

- HP Integrity Servers
- minimum of 128 MB memory
- 5 GB disk space

Operating System Requirements

- HP-UX 11.00
- HP-UX 11i Version 1 (B.11.11)
- HP-UX 11i Version 2 (B.11.23)

Product Requirements

The following sections describe the product dependencies for the HP-UX AAA Server A.06.01.02.07 on each supported HP-UX release. The Tomcat and Apache dependencies are both components of the HP-UX Apache Web Server Suite (product # HPUXWSSUITE). You do not need the Webmin-based Admin component of the Web Server Suite for the HP-UX AAA Server.

You can get the Tomcat and Apache components of the Web Server Suite at:

<http://www.software.hp.com/portal/swdepot/displayProductInfo.do?productNumber=HPUXWSSUITE>

You can get the HP-UX SDK for Java at:

<http://www.hp.com/products1/unix/java/index.html>

For HP-UX 11.00 and 11i v1 (B.11.11)

You must have the following product dependencies installed on your HP-UX 11.00 or 11i v1 systems to use the HP-UX AAA Server A.06.01.02.07:

- HP-UX SDK for Java version 1.4.1.x or higher (product # T1456AA)
- HP-UX Tomcat-based Serverlet Engine 1.0.03.x or higher (product # hpuxwsTomcat)
- HP-UX Apache-based Web Server version 1.0.03.x or higher (product # hpuxwsApache)

For HP-UX 11i v2 (B.11.23)

You must have the following product dependencies installed on your HP-UX 11i v2 systems to use the HP-UX AAA Server A.06.01.02.07:

- HP-UX SDK for Java version 1.4.2.x or higher for HP-UX 11i v2 (product # T1456AA)
- HP-UX Tomcat-based Serverlet Engine 1.0.10.01 or higher for HP-UX 11i v2 (product # hpuxwsTomcat)
- HP-UX Apache-based Web Server version 1.0.10.01 or higher for HP-UX 11i v2 (product # hpuxwsApache)

Patch Requirements

You must have the following patch dependencies installed on your system to use the HP-UX AAA Server A.06.01.02.07. Patches are available at:

ftp://us-ffs.external.hp.com/hp-ux_patches/s700_800/11.X/

Table 1 Patch Dependencies for HP-UX AAA Server A.06.01.02.07

HP-UX 11.00	HP-UX 11i v1	HP-UX 11i v2
PHSS_26945	PHSS_26946	No patches required

NOTE HP strongly recommends installing Hardware Enablement Patch B.11.00.0209.5 or higher for HP-UX 11.00. You can get this patch at http://www.software.hp.com/SUPPORT_PLUS/hwe.html

Web Browser Requirements

You must have access to a web browser to use the Server Manager interface to administer and configure the HP-UX AAA Servers. Use only the following web browsers with the HP-UX AAA Server A.06.01.02.07—known interoperability issues exist in other web browser versions:

- Internet Explorer 5.50 or higher
- Netscape Navigator 4.79
- Mozilla 1.2.1

NOTE The HP-UX AAA Server A.06.01.02.07 supports Mozilla 1.2.1 only on HP-UX 11i v2.

LDAP Compatibility

The HP-UX AAA Server A.06.01.02.07 is designed to interoperate with LDAP version 3 compliant directories. HP certified the HP-UX AAA Server A.06.01.02.07 with Netscape Directory Server version 6.x.

Availability in Native Languages

The HP-UX AAA Server A.06.01.02.07 is currently available in English only.

Known Problems and Limitations in Version A.06.01.02.07

The following are known problems and limitations in the HP-UX AAA Server A.06.01.02.07:

Known Problems

- Server Manager incorrectly hashes user password when MD5 hashing is the file storage.
- Local realms configured for default user file storage do not support aliases.
- Single PEAP session does multiple lookup in user repository to authenticate user.

Known Limitations

- The Server Manager interface does not manage multiple versions of HP-UX AAA Server software.
 - **Workaround:** Use Server Manager to manage HP-UX AAA Servers with the same version installed on every system.
- The AAA server loads all shared libraries in the `/opt/aaa/aatv/` directory when starting. Libraries with unresolved external references will cause the startup to fail. User-created libraries for previous versions of the product may also fail during execution. Updating your installation replaces only the libraries originally installed with the product—any user-created libraries will remain.
 - **Workaround:** Remove any user-created shared libraries from the `/opt/aaa/aatv` directory before starting the HP-UX AAA Server.
- On HP-UX 11i v2, Netscape Navigator 7.0 and Mozilla 1.2.X periodically display various Server Manager icons, buttons, and default values incorrectly.
 - **Workaround:** Use a supported browser version with Server Manager to avoid this problem. If you cannot use a supported browser version, try refreshing the screen when you encounter the invalid display.
- The HP-UX AAA Server schema file for LDAP (`/opt/aaa/examples/proldap/iaaa-radius.schema`) is incompatible with OpenLDAP 2.1 and higher.
 - **Workaround:** On the LDAP Server, disable schema checking by including the following line in the `slapd.conf` file (usually found at `/etc/openldap/`):

```
schemacheck off
```

Known Problems and Limitations in Version A.06.01.02.07

- The Server Manager interface does not load configuration applets in some network environments when using your browser's autocomplete or “Remember My Password” feature for the Server Manager password.
 - **Workaround:** Disable autocomplete for passwords, or remove the Server Manager password from the autocomplete list in your browser.

Supplicant Support and Interoperability

The information in this section lists the supplicants and EAP methods (for each supplicant) certified with the HP-UX AAA Server A.06.01.02.07.

Funk Odyssey version 1

The following is a list of EAP methods this supplicant and the HP-UX AAA Server A.06.01.02.07 support:

- EAP-TTLS with PAP, CHAP, MS-CHAP, or EAP-MD5
- LEAP
- EAP-TLS
- EAP-MD5

Funk Odyssey version 2

The following is a list of EAP methods this supplicant and the HP-UX AAA Server A.06.01.02.07 support:

- EAP-TTLS with PAP, CHAP, MS-CHAP, or EAP-MD5
- LEAP
- EAP-TLS
- EAP-MD5

Microsoft for Windows 2000 (SP4 or higher) and XP (SP1 or higher)

The following is a list of EAP methods this supplicant and the HP-UX AAA Server A.06.01.02.07 support:

- PEAP with EAP-MS-CHAP v2
- EAP-TLS

Cisco Aironet Client Utility version 6.1

The following is a list of EAP methods this supplicant and the HP-UX AAA Server A.06.01.02.07 support:

- PEAP with EAP-GTC
- LEAP

NOTE

After installing and selecting the AAA Server CA certificate on some Cisco supplicants, you may encounter the following condition:

```
"PEAP validation failed, status=-16"
```

You will still be able to authenticate by deselecting the AAA Server CA certificate in the supplicant. You will be prompted to inspect and accept the certificate during authentication.
