

HP-UX Role-Based Access Control B.11.23.01 Release Notes

HP-UX 11i v2

**Documentation Website:
<http://www.docs.hp.com>**



**Manufacturing Part Number : 5991-0709
E1204**

U.S.A.

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HP-UX Role-Based Access Control B.11.23.01

The information in this document is for HP-UX Role-based Access Control (RBAC) version B.11.23.01 only.

Product Overview: HP-UX RBAC

HP-UX RBAC is an alternative to the traditional “all-or-nothing” root user model, which grants permissions to the root user for all operations, and denies permissions to non-root users for certain operations. HP-UX RBAC allows you to distribute administrative responsibilities by creating roles with appropriate authorizations and assigning them to non-root users. The following is a list and description of the main HP-UX RBAC components:

- `privrun` wrapper command to run existing legacy applications without modification and with varying privileges based on user authorizations
- access control policy switch to determine whether a subject is authorized to perform an operation on an object
- access control policy module to evaluate RBAC databases and apply mapping policies to service access control requests
- management commands to edit and validate RBAC database files

Product Features

The following is a list of features HP-UX RBAC delivers:

- pre-defined configuration files to facilitate quick and easy deployment
- flexible re-authentication ability via PAM to allow restrictions on a per command basis
- integrates with HP-UX audit system to produce a single, unified audit trail
- fully supported HP product
- plug-able architecture for customizing access control decisions

Product Documentation

In addition to these Release Notes, HP provides the following documentation to support HP-UX RBAC:

- White Paper: *Using HP-UX RBAC*
- RBAC manpages

The HP-UX RBAC Release Notes and White Paper are available on the Internet and Security Solutions page of the HP Technical Documentation website, www.docs.hp.com. Use the following link to go directly to the HP-UX RBAC product documentation:

<http://docs.hp.com/hpux/internet/index.html#HP-UX%20Role-based%20Access%20Control>

The following table lists and describes the HP-UX RBAC manpages, which are installed with the product at `/usr/share/man/<man section#>.Z`:

Table 1 HP-UX RBAC Manpages

Manpage	Description
<code>rbac(5)</code>	Overview and introduction of the RBAC product
<code>privrun(1m)</code>	Runs legacy applications with varying privileges based on authorizations associated with invoking user
<code>rbacdbchk(1m)</code>	Verifies syntax of RBAC database files
<code>roleadm(1m)</code>	Edits role information in RBAC database files
<code>authadm(1m)</code>	Edits authorization information in RBAC database files
<code>cmdprivadm(1m)</code>	Edits command authorizations and privileges in privrun database

New in HP-UX RBAC B.11.23.01

Version B.11.23.01 is the first release of the HP-UX RBAC product.

Compatibility Information and Installation Requirements

The following are the minimum requirements to install and run HP-UX RBAC B.11.23.01.

Hardware Requirements

- HP 9000 Computers
- HP Integrity Servers
- 64 KB disk space

Operating System Requirements

- HP-UX 11i Version 2 for PA-RISC or Itanium Architecture

Patch Requirements

HP-UX RBAC B.11.23.01 does not require any patches.

Availability in Native Languages

HP-UX RBAC B.11.23.01 is currently available in English only.

Acquiring HP-UX RBAC

Use the following steps to download HP-UX RBAC B.11.23.01 free of charge from HP's Software Depot, <http://www.software.hp.com>:

- Step 1.** Go to HP's Software Depot at <http://www.software.hp.com>
- Step 2.** Search for HP-UX RBAC (keyword RBAC) and read the information on the RBAC release page.
- Step 3.** Select Receive for Free >> at the bottom of the page.
- Step 4.** Choose the appropriate version of HP-UX RBAC for your system.
- Step 5.** Enter your registration information and accept the Terms and Conditions.
- Step 6.** Select Download at the bottom of the page and save the RBAC release depot as a local file on your system, for example, in `/tmp/<RBAC-depotname>.depot`
- Step 7.** Use the `swlist -d @ /tmp/<RBAC-depotname>.depot` command to verify the depot file is on your system.

NOTE The `<RBAC-depotname>.depot` filename in the previous steps is for example only. The exact RBAC depot filename and location may vary.

Installing HP-UX RBAC

Use the following steps to install HP-UX RBAC B.11.23.01 on your HP-UX 11iv2 systems:

Step 1. Review the “Compatibility Information and Installation Requirements” on page 5.

Step 2. Download HP-UX RBAC by referring to “Acquiring HP-UX RBAC” on page 6.

Step 3. Logon to your system as the root user.

Step 4. Install HP-UX RBAC using the following command:

```
$ swinstall -s /tmp/<RBAC-depotname>.depot AccessControl
```

NOTE The name and location of the HP-UX RBAC depot above is for example only—the actual name and location may vary. You do not need to reboot the system to install HP-UX RBAC.

Step 5. Verify the installation using the `swlist` command. If HP-UX RBAC is installed on the system, the `swlist` command will report the following:

```
AccessControl    B.11.23.01    HP-UX Role-based Access Control Infrastructure
```

HP-UX RBAC installs in `/usr/bin/` and `/usr/sbin/`. The `swinstall` tool displays an error message if the installation fails. Check `/var/opt/adm/sw/swagent.log` for information if the installation failed.

Removing (un-installing) HP-UX RBAC

Use the following steps to remove (un-install) HP-UX RBAC B.11.23.01 from your HP-UX 11v2 systems:

Step 1. Logon to your system as the root user.

Step 2. Use the following command to remove HP-UX RBAC B.11.23.01:

```
$ swremove AccessControl
```

Step 3. Use the `swlist` command to verify HP-UX RBAC was removed from the system. The `swlist` command will not report HP-UX RBAC if it was removed from the system.

Known Problems in HP-UX RBAC B.11.23.01

HP-UX RBAC B.11.23.01 contains no known problems.