HP DCE/9000 Version 1.6 U.S./Canada Software for HP-UX 10.30 Release Note

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First Edition

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About This Document

This document is the release note for HP DCE/9000 Version 1.6 (HP DCE 1.6) on HP-UX 10.30.

For more information about the U.S./Canada Software and HP DCE 1.6 in general, see *HP/DCE 9000 Version 1.6 for HP-UX 10.30 Release Note* (B3190-90070) and *Planning and Configuring HP DCE 1.6* (B3190-90071).

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Because of U.S.export restrictions, HP DCE/9000 Version 1.6 has two
versions, the U.S./Canada version and the Export version.

HP DCE U.S./Canada Software

The DCE Security component uses the Data Encryption Standard (DES) algorithm as its default encryption algorithm. Because the United States State Department restricts the export of DES software, HP supplies two binary versions of the **dced** daemon and DCE library:

- The U.S./Canada version is available only to HP customers in the United States and Canada. The U.S./Canada version of **libdce** supports use of DES to encrypt RPC argument values, via the "privacy" authentication level, and the use of DES to encrypt GSS-API messages, via the **gss_seal** "confidentiality requested" flag. The U.S./Canada version of **dced** supports secure remote key table management.

- The Export version is available to all HP customers. The Export version of **libdce** disables the "privacy" authentication level in RPC, the **gss_seal** "confidentiality requested" flag, and all program entry points to encryption routines. The Export version of **dced** does not support secure remote key table management.

If an application uses the Export version of the DCE library and specifies the RPC "privacy" authentication level, the library returns an error at run time.

If an application uses the Export version of the DCE library and specifies the GSS-API "confidentiality requested" flag, the GSS interface returns a diagnostic flag at run time.

See the **dced** man page for more information about remote key table management support in the two versions of the daemon.

Software Included in the U.S./Canada Version

The U.S./Canada version of HP DCE 1.6 includes the following software:

/usr/lib/libdce.1

/opt/dce/sbin/dced

/opt/dce/lib/libdce.a (when supplied)

Limitations, Interoperability, and Compatibility of This Release

For information on the limitations of the U.S./Canada version, and its interoperability and compatibility with the Export version of the DCE software, and with other versions of DCE, see the *HP/DCE 9000 Version 1.6 for HP-UX 10.30 Release Note* (B3190-90070) and *Planning and Configuring HP DCE 1.6* (B3190-90071).

Important Installation Information

This section discusses important information related to installing the U.S./Canada version of HP DCE 1.6. For detailed information about installing HP DCE 1.6, see *Planning and Configuring HP DCE 1.6.*

The installations of the U.S./Canada versions of **/usr/lib/libdce.1**, **/opt/dce/sbin/dced**, and—when supplied—**/opt/dce/lib/libdce.a** attempt to preserve the default Export versions rather than writing over them. This is done by appending the suffix "**.Int**" to any existing Export version software, installing the U.S./Canada version software with a "**.Dom**" suffix, and creating a hard link to the U.S./Canada version in the place of the original software.

If you want to return a given system to the default Export version state, use **swremove**(1m) to remove the DCE/9000 U.S./Canada Software for HP DCE 1.6. **swremove** will undo the U.S/Canada version installation and update the Software Distributor (SD) database with the correct information. This is the recommended way to return a system to an Export version state.

CAUTION   Do not re-install the Export version over the U.S./Canada version of the software. Re-installing the Export version will leave information in the SD database indicating that the U.S./Canada version is still there, which may cause problems with any products that have dependencies on the U.S./Canada version of **libdce.1**.

libdce.1 must be present on all systems that run HP-UX 10.30, since a number of applications (one of which is the SD product) depend on it.

The U.S./Canada version of **libdce.1** offers a superset of the functionality in the Export version; it will, therefore, satisfy the requirements of any application (such as SD) that declares a dependency on the Export version.