



Hewlett Packard
Enterprise

BIND (HP-UX NameServer) Release Notes

Version: 9.9.4 for HP-UX 11i v3

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Hewlett Packard Enterprise secure development lifecycle

Starting with HP-UX 11i v3 March 2013 update release, Hewlett Packard Enterprise secure development lifecycle provides the ability to authenticate HP-UX software. Software delivered through this release is digitally signed using Hewlett Packard Enterprise's private key. You can now verify the authenticity of the software, before installing the products, delivered through this release.

To verify the software signatures in signed depot, the following products must be installed on your system:

- B.11.31.1303 or later of SD (Software Distributor)
- A.01.02.00 or later of HP-UX Whitelisting (`WhiteListInf`)

To verify the signatures, run: `/usr/sbin/swsign -v -s <depot_path>`

For more information, see Software Distributor documentation at <http://www.hpe.com/info/sd-docs>.

NOTE: Ignite-UX software delivered with HP-UX 11i v3 March 2014 release or later supports verification of the software signatures in signed depot or media, during cold installation. For more information, see Ignite-UX documentation at <http://www.hpe.com/info/ignite-ux-docs>.

1 BIND (HP-UX NameServer) release notes for February 2016

This document discusses the most recent product information, pertaining to Berkeley Internet Name Domain or shortly BIND (HP-UX NameServer), which is also known as **Name Server** or **HP-UX NameServer**, supported on HP-UX 11i v3 operating systems. [Table 1](#) lists the product version for which the document is applicable.

Table 1 Documentation Support for BIND (HP-UX NameServer)

Operating system	Version
HP-UX 11i v3	9.9.4

It also gives more details on how to install BIND (HP-UX NameServer) 9.9.4 on HP-UX 11i v3 operating systems.

Announcement

BIND (HP-UX NameServer) is a Berkeley implementation of the Domain Name System (DNS). It is a distributed network information lookup service, that maps host names to Internet addresses, and Internet addresses to host names. It also facilitates Internet mail routing by providing a list of hosts that accept mail for other hosts.

BIND (HP-UX NameServer) 9.9.4 is the latest web upgrade version of BIND (HP-UX NameServer). It is available for download at: [Software Depot Home](#).

What is new in this version?

This version of BIND (HP-UX NameServer) 9.9.4 for HP-UX 11i v3 operating system includes various new features, changes in different features of the earlier releases, since the release of BIND (HP-UX NameServer) 9.7.3, and various defect fixes.



TIP: See “[Various features of BIND \(HP-UX NameServer\)](#)” (page 6) for more details, “[New features](#)” (page 6) for a list of some of those new features, and “[Changed features](#)” (page 8) for changes in the latest release.

NOTE: For complete list of changes and more details about the defect fixes, see “Release Notes” documents of BIND 9.9.x and BIND 9.8.x, available at: <http://www.isc.org>.

2 Various features of BIND (HP-UX NameServer)

This chapter describes in detail about various features of BIND (HP-UX NameServer) 9.9.4 release.

New features

This version of BIND (HP-UX NameServer) for HP-UX 11i v3 operating systems includes the following new features.

- **DNS64:**
 - DNS64 is a mechanism for synthesizing AAAA records from A records.
 - DNS64 is used with an IPv6/IPv4 translator to enable client-server communication, between an IPv6-only client and an IPv4-only server, without requiring any changes to either the IPv6 or the IPv4 node, for the class of applications that work through NATs
- **Response Rate Limiting(RRL):**
 - RRL helps in mitigating DNS denial-of-service attacks, by reducing the rate at which authoritative servers respond to high volumes of malicious queries.
- New `dnssec-verify(1)` command checks a signed zone to ensure correctness of signatures and of NSEC/NSEC3 chains.
- Added a new configuration option `"check-spf"` to check SPF records.
 - Valid values are `"warn"` (default) and `"ignore"`.
 - When set to `"warn"`, checks SPF and TXT records in `spf` format, warning if either resource record type occurs without a corresponding record of the other resource record type.
- Support for the RFC 6742 ILNP record types (NID, LP, L32, and L64).
- Elliptic Curve Digital Signature (ECDS) Algorithm keys and signatures in DNSSEC are now supported per RFC 6605.
- EUI48 and EUI64 types.
- New configuration option `"max-rsa-exponent-size <value>;"` that can be used to specify the maximum RSA exponent size, that will be accepted when validating.
- The new `"inline-signing"` option, in combination with the `"auto-dnssec"` option, that was introduced in BIND (HP-UX NameServer) 9.7, allows `named` to sign zones completely transparently.
- `"rndc flushtree <name>"` command removes the specified name and all names under it from the cache.
- `"rndc querylog"` can now be given an on/off parameter instead of only being used as a toggle.
- `"rndc sync"` command dumps pending changes in a dynamic zone to disk without a freeze/thaw cycle.
 - `"rndc sync -clean"` removes the journal file after syncing.
 - `"rndc freeze"` no longer removes journal files.

- The new `rndc signing` command provides greater visibility and control of the automatic DNSSEC signing process.
 - Options to this new command include `-list <zone>` which will show the current state of signing operations overall or as per the specified zone.
- The `dnssec-signzone -D` option causes `dnssec-signzone` to write DNSSEC data to a separate output file.
- `dnssec-signzone -R` forces removal of signatures, that are not expired, but were created by a key, which no longer exists.
- `dnssec-signzone -X` option allows signatures, on DNSKEY records, to have a different expiration date, from other signatures.
- `-L` option of `dnssec-keygen` and `dnssec-settime`, sets the default TTL for the key, when it is converted into a DNSKEY RR.
- As per RFC 6303, RFC 1918 reverse zones are now part of the built-in list of empty zones.
- Added support for Uniform Resource Identifier (URI) resource records.
- Several RPZ feature improvements are made.
 - Highlights are a new `rpz` logging channel and RPZ CNAME RDATA, which can now include wildcard.
- The `serial-update-method` option, allows dynamic zones to have their SOA serial number, set to the current UNIX time if desired, rather than simply performing the increment of the serial number with each change to the zone.
- Inserting an NSEC3PARAM, via dynamic update in an `auto-dnssec` zone, that has not been signed yet, will cause it to be signed with the specified NSEC3 parameters, when keys are activated.
 - The NSEC3PARAM record, will not appear in the zone, until it is signed, but the parameters will be stored.
- The `also-notify` option, now takes the same syntax as `masters`, thus it can use named master lists and TSIG keys.

- New zone type `"static-stub"`.
 - It is like a stub zone, but the NameServer names and/or their IP addresses are statically configured.
- Allow `"filter-aaaa-on-v4"`, to be applied selectively to IPv4 clients.
 - New acl `"filter-aaaa"` (default any).
- **genrandom(1):**
 - Add support for the generation of multiple files.
- The option `max-recursion-depth` sets a limit on the number of levels of recursion `named` allows.
 - The default value is 7 levels.
- The option `max-recursion-queries` sets a limit on the number of iterative queries `named` sends before terminating a recursive query.
 - The default is 50 queries.

Changed features

This version of BIND (HP-UX NameServer) 9.9.4 for HP-UX 11i v3 operating systems includes the following changed features, over its previous releases.

- `"named -g"`, now no longer works with an invalid logging configuration.
- Added logging messages on slave servers, when they forward DDNS updates to a master.
- The zone-statistics option now takes three options:
 - `"full"`
 - `"terse"`
 - `"none"`

`"yes"` is now a synonym for `"full"`, `"no"` is now a synonym for `"terse"`, which is how it behaved in previous versions.
- Response Policy Zone performance enhancements:
 - New `"response-policy"` option `"min-ns-dots"`.
 - `"nsip"` and `"nsdname"` now enabled by default with RPZ.
- `"dnssec-dsfromkey"`, now no longer puts legal whitespace in DS hashes, in order to inter-operate better, with some overly-strict registrars.
- RFC 1918 empty zones will now be configured automatically.
 - `named` will attempt to determine, if an RFC 1918 zone already exists, or is active and will not create an empty zone in that case.
 - In prior versions, these were switched on, with the `empty-zones-enable` option.

- Extended the header of raw-format master files, to include the serial number of the zone, from which they were generated, if different (as in the case of inline-signing zones).
 - This is to be used in inline-signing zones, to track changes between the unsigned and signed versions of the zone, which may have different serial numbers.
- Change the default query timeout (resolver-query-timeout) from 30 seconds to 10.
 - Allow setting this in `named.conf` using the new `resolver-query-timeout` option, which specifies a maximum time in seconds.
 - 0 means `default` and anything longer than 30, will be silently set to 30.

3 Installation of BIND (HP-UX NameServer)

This chapter explains in detail about the procedure to install, verify and update BIND (HP-UX NameServer).

Installing BIND (HP-UX NameServer) 9.9.4

This section describes how to install BIND (HP-UX NameServer) 9.9.4 on HP-UX 11i v3.

Prerequisites

OpenSSL1.0.1.j or later and Kerberos client are the prerequisite for installing BIND (HP-UX NameServer) 9.9.4 on HP-UX 11i v3.

Installation instructions

To install BIND (HP-UX NameServer) 9.9.4, you need to complete the following steps:

1. Review to ensure that your system meets BIND (HP-UX NameServer) 9.9.4 installation requirements.
2. Go to **HPE Software Depot Home** at: [Software Depot Home](#).
3. Use **Search** button to browse for BIND (HP-UX NameServer). The product catalog page is displayed.
4. Select BIND (HP-UX NameServer) in the product catalog. BIND (HP-UX NameServer) page is displayed.
5. Read the “Overview” and “Installation” pages for BIND (HP-UX NameServer).
6. Click the **Select** option at the bottom right of any of these pages.
7. Select the appropriate release of HP-UX operating system.
8. Enter the *registration information*. Read and **Accept** the terms and conditions statements.
9. Click **Next>>**. The Electronic Delivery Receipt page is displayed.
10. Select BIND (HP-UX NameServer) 9.9.4 depot under Download Software.
11. Save BIND (HP-UX NameServer) 9.9.4 depot in a local directory, for example, /tmp.
12. To verify that BIND (HP-UX NameServer) 9.9.4 depot is downloaded properly in the local directory, enter the following HP-UX MD5 Secure Checksum command at the HP-UX prompt:

```
# md5sum <depot_name>
```

The result of this command must match the fingerprint provided in the Electronic Delivery Receipt. If the result does not match, download BIND (HP-UX NameServer) 9.9.4 depot again.

NOTE: The HP-UX MD5 Secure Checksum software is not installed by default on the system. It is available at: [Software Depot Home](#).

13. To install BIND (HP-UX NameServer) 9.9.4 depot, enter the following command at HP-UX prompt:

```
# swinstall -s <fully_qualified_depot_source_path>
```

The `swinstall` window is displayed.
14. **Press** the *space bar* to select the product that you wish to install.
15. Select **Install** in the *Action* menu. The Install Analysis window is displayed.
16. Select **OK** when the Status field displays a Ready message. The Install window is displayed. BIND (HP-UX NameServer) 9.9.4 software installation starts. The `swinstall` command loads BIND (HP-UX NameServer) 9.9.4 files on to the system in approximately five minutes.

17. Select **Done**, when the Status field displays a Completed message.
18. Select **File->Exit** to exit from the `swinstall` window. The `named` daemon is pre-configured and starts after installation. The `swinstall` command installs `BIND` (HP-UX NameServer) in the `/opt` directory.

NOTE: For more information on configuring and using `BIND` (HP-UX NameServer), see `BIND 9.9 Administrator Reference Manual` at [BIND \(HP-UX NameServer\) Software Depot Pages](http://www.isc.org) and also available at <http://www.isc.org>.

Verifying `BIND` (HP-UX NameServer) 9.9.4 installation

To verify whether `BIND` (HP-UX NameServer) 9.9.4 depot is installed successfully on your system, enter the following command at the HP-UX prompt:

```
# swlist -l product <depot_name>
```

If `BIND` (HP-UX NameServer) 9.9.4 is installed properly, the following output is displayed on a HP-UX 11i v3 operating system.

```
# Initializing...
# Contacting target "hostname"...
#
# Target: hostname:/
HPUX-NameServer C.9.9.4.N HPUX Name Server
HPUX-NameServer.NameService C.9.9.4.N Berkeley Internet Name Domain Server Protocol daemons and utilities
```

Unsupported features

The following features are not supported in `BIND` (HP-UX NameServer) 9.9.4:

- Integrate contributed IDN code
- Integrate contributed DLZ code into `named`
- Support for Cryptoki hardware

4 Related information about BIND (HP-UX NameServer)

The following sections discuss more about the related information and documentation available for BIND (HP-UX NameServer) 9.9.4.

Manpages

[Table 2](#) describes the manpages distributed with BIND (HP-UX NameServer) 9.9.4 depot.

Table 2 BIND (HP-UX NameServer) 9.9.4 Manpages

Manpage	Description
arpaname(1)	Utility to translate IP addresses (IPv4 and IPv6) to the corresponding IN-ADDR.ARPA or IP6.ARPA names.
ddns-confgen(1)	Tool to generate a key for use by nsupdate and named.
dnssec-dsfromkey(1)	DNSSEC DS RR generation tool.
dnssec-settime(1)	Tool to set the key timing metadata for a DNSSEC key.
genrandom(1)	Tool to generate a file containing random data.
isc-hmac-fixup(1)	Fixes HMAC keys generated by older versions of BIND (HP-UX NameServer).
named-journalprint(1)	Utility to print zone journal in human-readable form.
nsec3hash(1)	Tool to generate an NSEC3 hash based on a set of NSEC3 parameters.
dnssec-revoke(1)	Tool to set the REVOKED bit on a DNSSEC key
dnssec-signzone(1)	Tool to sign the DNSSEC zone
dnssec-keygen(1)	Tool to generate keys for DNSSEC
dnssec-verify(1)	Tool to verify DNSSEC zone
host(1)	Utility for DNS lookup
hosts_to_na(1M)	Program used to translate host table to name server file format.
named-checkconf(1)	Tool to check the syntax of the named configuration file
named-checkzone(1)	Tool to check the validity of a zone
named-compilezone(1)	Zone file validity checking or converting tool
nsupdate(1)	Utility to update the DNS dynamically
rndc-confgen(1)	Tool to generate the rndc key
rndc(1)	Utility to control the name server control
dig(1M)	Tool to interrogate DNS servers
lwresd(1M)	Daemon to provide name lookup services to clients that use BIND (HP-UX NameServer) 9 lightweight resolver library
named(1M)	Daemon that reads BIND (HP-UX NameServer) configuration file, /etc/named.conf for initial data on resource records, and listens for queries. The named daemon is the Internet domain name server, and it requires super user privileges to execute.
named.conf(4)	Configuration file for name daemon
rndc.conf(4)	Configuration file rndc
sig_named(1M)	Send signals to the domain name server

The Manpages `nslookup(1)`, `dig(1M)`, and `host(1)` can be used to troubleshoot BIND (HP-UX NameServer) 9.9.4. For detailed information and examples of utilities and commands listed in [Table 2 \(page 12\)](#), see the respective manpages.

Product documentation

For more information on configuring, administering, and using BIND (HP-UX NameServer), see BIND 9 Administrator Reference Manual, HP-UX IP Address and Client Management Services Administrator's Guide, and Software Depot Pages for quick reference at:

- **Hewlett Packard Enterprise Support Center (HPESC) link:** <http://www.hpe.com/info/hpux-networking-docs>
- **Software Depot Pages of BIND (HP-UX NameServer) link:** [BIND \(HP-UX NameServer\) Software Depot Pages](#)
- Also available at, **Client site link:** <http://www.isc.org>.

5 Defect fixes across various releases of BIND (HP-UX NameServer)

This chapter lists out in detail about the various defects fixed in BIND (HP-UX NameServer) for HP-UX 11i v3 operating system, across multiple releases.

Defects fixed in BIND (HP-UX NameServer) 9.9.4 (C.9.9.4.6.0) release

Table 3 lists in detail about the defects fixed in BIND (HP-UX NameServer) 9.9.4 (C.9.9.4.6.0) release of HP-UX 11i v3 operating system.

Table 3 Defects fixed in BIND (HP-UX NameServer) 9.9.4 (C.9.9.4.6.0)

Defect Identifier	Description
QXCR1001459637	<p>Title: <i>HP-UX</i>: Error in parsing of incoming responses</p> <p>Severity: Serious</p> <p>Problem: BIND (HP-UX NameServer) does not validate correctly while parsing the incoming response.</p> <p>Details: This CR implements the fix for CVE-2015-8000. <code>named (1M)</code> accepts some records with an incorrect class instead of rejecting them as malformed due to an error in the parsing of incoming responses.</p> <p>Resolution: <code>named (1M)</code> is modified to validate the class of incoming responses appropriately.</p>
QXCR1001463077	<p>Title: <i>HP-UX</i>: Error in buffer size check</p> <p>Severity: Serious</p> <p>Problem: BIND (HP-UX NameServer) buffer size check is not working appropriately.</p> <p>Details: This CR implements the fix for CVE-2015-8704. A buffer size check that is used to guard against the overflow can cause BIND (HP-UX NameServer) to exit with an <code>INSIST</code> failure in <code>apl_42.c</code>.</p> <p>Resolution: The buffer size check is modified to fix this issue.</p>

Defects fixed in BIND (HP-UX NameServer) 9.9.4 (C.9.9.4.5.0) release

Table 4 lists in detail about the defects fixed in BIND (HP-UX NameServer) 9.9.4 (C.9.9.4.5.0) release of HP-UX 11i v3 operating system.

Table 4 Defects fixed in BIND (HP-UX NameServer) 9.9.4 (C.9.9.4.5.0)

Defect Identifier	Description
QXCR1001440769	<p>Title: <i>HP-UX</i>: Error in DNSSEC-signed records</p> <p>Severity: Serious</p> <p>Problem: validation on DNSSEC-signed records can be exploited remotely causing denial-of-service.</p> <p>Details: This CR implements the fix for CVE-2015-5722. BIND (HP-UX NameServer) servers performing validation on DNSSEC-signed records can be exploited remotely causing denial-of-service. Validating recursive resolvers are at greater risk from this defect.</p> <p>Resolution: Signed validation process has been modified to fix this issue.</p>
QXCR1001446489	<p>Title: <i>HP-UX</i>: Upgrade OpenSSL to 1.0.1</p> <p>Severity: Serious</p> <p>Problem: Upgrade BIND 9.9.4 to use OpenSSL 1.0.1</p> <p>Details: BIND uses OpenSSL 0.9.8 which will reach end of support by December 2015.</p> <p>Resolution: BIND 9.9.4.5 now supports OpenSSL 1.0.1.</p>

Defects fixed in BIND (HP-UX NameServer) 9.9.4 (C.9.9.4.4.0) release

Table 6 (page 15) lists in detail about the defects fixed in BIND (HP-UX NameServer) 9.9.4 (C.9.9.4.4.0) release of HP-UX 11i v3 operating system.

Table 5 Defects fixed in BIND (HP-UX NameServer) 9.9.4 (C.9.9.4.4.0)

Defect Identifier	Description
QXCR1001432302	<p>Title: <i>HP-UX</i>: Error in TKEY queries</p> <p>Severity: Serious</p> <p>Problem: TKEY query handling does not work as expected in BIND (HP-UX NameServer) 9.9.4 leading to denial-of-service.</p> <p>Details: This CR implements the fix for CVE-2015-5477. An error in the handling of TKEY queries can be exploited by an attacker for use as a denial-of-service vector, as a constructed packet can use the defect to trigger a REQUIRE assertion failure, causing BIND to exit.</p> <p>Resolution: TKEY query handling is fixed to resolve this issue.</p>

Defects fixed in BIND (HP-UX NameServer) 9.9.4 (C.9.9.4.3.0) release

Table 6 lists in detail about the defects fixed in BIND (HP-UX NameServer) 9.9.4 (C.9.9.4.3.0) release of HP-UX 11i v3 operating system.

Table 6 Defects fixed in BIND (HP-UX NameServer) 9.9.4 (C.9.9.4.3.0)

Defect Identifier	Description
QXCR1001402582	<p>Title: <i>HP-UX</i>: <code>dnssec</code> validation not working as expected</p> <p>Severity: Serious</p> <p>Problem: <code>dnssec</code> validation does not work as expected in BIND (HP-UX NameServer) 9.9.4</p> <p>Details: This CR implements the following fixes for this problem:</p> <ol style="list-style-type: none">CVE-2015-1349: BIND (HP-UX NameServer) servers configured to perform DNSSEC validation and which are using managed-keys may terminate with an assertion failure, when encountering a rare set of conditions in a managed trust anchor.CVE-2015-4620: A recursive resolver performing DNSSEC validation can be deliberately stopped by an attacker, who can cause the resolver to perform a query against a maliciously-constructed zone, leading to denial of service to clients, who rely on that resolver. <p>Resolution: DNSSEC validation is modified to fix both the CVEs.</p>
QXCR1001423961	<p>Title: <i>HP-UX</i>: <code>hosts_to_named</code> does not work on BIND (HP-UX NameServer) C.9.9.4</p> <p>Severity: Medium</p> <p>Problem: <code>hosts_to_named</code> does not work as expected on BIND (HP-UX NameServer) C.9.9.4.</p> <p>Details: <code>hosts_to_named</code> fails with syntax error and does not create <code>named.conf</code></p> <p>Resolution: <code>hosts_to_named</code> is modified to create <code>named.conf</code> appropriately.</p>

Defects fixed in BIND (HP-UX NameServer) 9.9.4 (C.9.9.4.2.0) release

Table 7 (page 16) lists in detail about the defects fixed in BIND (HP-UX NameServer) 9.9.4 (C.9.9.4.2.0) release of HP-UX 11i v3 operating system.

Table 7 Defects fixed in BIND (HP-UX NameServer) 9.9.4 (C.9.9.4.2.0)

Defect Identifier	Description
QXCR1001389792	<p>Title: HP-UX: BIND (HP-UX NameServer) 9.9.4 does not work as expected</p> <p>Severity: Serious</p> <p>Problem: <code>named (1M)</code> may crash or cause exhaustion of memory resources</p> <p>Details: This CR implements the fix for CVE-2014-8500: A flaw in the delegation handling can be able to exploit, so as to put <code>named</code> into an infinite loop, in which each lookup of a BIND (HP-UX NameServer) triggered additional lookups of more BIND (HP-UX NameServer).</p> <p>Resolution: New options <code>max-recursion-depth</code> and <code>max-recursion-queries</code> are set up to handle the same.</p>
QXCR1001375700	<p>Title: Manpages not removed</p> <p>Severity: Medium</p> <p>Problem: Japanese Manpages are not removed</p> <p>Details: Japanese Manpages are not removed, while upgrading to BIND (HP-UX NameServer) 9.9.4.</p> <p>Resolution: Remove Japanese Manpages of older versions of BIND (HP-UX NameServer), if present.</p>

Hewlett Packard Enterprise specific changes

Table 8 (page 16) lists in detail about the Hewlett Packard Enterprise specific changes to BIND (HP-UX NameServer) 9.9.4 for HP-UX 11i v3 operating system.

Table 8 Hewlett Packard Enterprise specific changes in BIND (HP-UX NameServer) 9.9.4

Change identifier	Description
QXCR1000552734	Add an Option statement to disable the EDNS feature on BIND (HP-UX NameServer) 9.
QXCR1000552677	DNS does not check for symbolic links.
QXCR1000552678	DNS does not check if dynamic DNS log files are linked. This is similar to JAGaf74389 but checks for journal files.
QXCR1000552218	Improve performance of <code>named (1M)</code> by compiling with appropriate optimization level.
QXCR1000791343	As <code>named (1M)</code> supports 32-bit addresses, <code>named (1M)</code> fails with an error message when the data size increases more than 1 GB.
QXCR1000586326	<code>named (1M)</code> fails with an "out of memory" error message if the size of the cache memory exceeds 1 GB.

6 Known problems, issues, limitations, and workaround

Currently, there is no known problem or issue in BIND (HP-UX NameServer) 9.9.4.

7 New deliverable in BIND (HP-UX NameServer) 9.9.4 and their locations

The following binary is added newly in BIND (HP-UX NameServer) 9.9.4. See individual Manpages for more information.

Binaries

`/usr/sbin/dnssec-verify`

8 Support and other resources

Accessing Hewlett Packard Enterprise Support

- For live assistance, go to the Contact Hewlett Packard Enterprise Worldwide website:
www.hpe.com/assistance
- To access documentation and support services, go to the Hewlett Packard Enterprise Support Center website:
www.hpe.com/support/hpesc

Information to collect

- Technical support registration number (if applicable)
- Product name, model or version, and serial number
- Operating system name and version
- Firmware version
- Error messages
- Product-specific reports and logs
- Add-on products or components
- Third-party products or components

Accessing updates

- Some software products provide a mechanism for accessing software updates through the product interface. Review your product documentation to identify the recommended software update method.
 - To download product updates, go to either of the following:
 - Hewlett Packard Enterprise Support Center **Get connected with updates** page:
www.hpe.com/support/e-updates
 - Software Depot website:
www.hpe.com/support/softwaredepot
 - To view and update your entitlements, and to link your contracts and warranties with your profile, go to the Hewlett Packard Enterprise Support Center **More Information on Access to Support Materials** page:
www.hpe.com/support/AccessToSupportMaterials
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- ① **IMPORTANT:** Access to some updates might require product entitlement when accessed through the Hewlett Packard Enterprise Support Center. You must have an HPE Passport setup with relevant entitlements.
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Websites

Website	Link
Hewlett Packard Enterprise Information Library	<u>www.hpe.com/info/enterprise/docs</u>
Hewlett Packard Enterprise Support Center	<u>www.hpe.com/support/hpesc</u>
Contact Hewlett Packard Enterprise Worldwide	<u>www.hpe.com/assistance</u>
Subscription Service/Support Alerts	<u>www.hpe.com/support/e-updates</u>
Software Depot	<u>www.hpe.com/support/softwaredepot</u>
Customer Self Repair	<u>www.hpe.com/support/selfrepair</u>
Insight Remote Support	<u>www.hpe.com/info/insightremotesupport/docs</u>
Serviceguard Solutions for HP-UX	<u>www.hpe.com/info/hpux-serviceguard-docs</u>
Single Point of Connectivity Knowledge (SPOCK) Storage compatibility matrix	<u>www.hpe.com/storage/spock</u>
Storage white papers and analyst reports	<u>www.hpe.com/storage/whitepapers</u>

Customer self repair

Hewlett Packard Enterprise customer self repair (CSR) programs allow you to repair your product. If a CSR part needs to be replaced, it will be shipped directly to you so that you can install it at your convenience. Some parts do not qualify for CSR. Your Hewlett Packard Enterprise authorized service provider will determine whether a repair can be accomplished by CSR.

For more information about CSR, contact your local service provider or go to the CSR website:

www.hpe.com/support/selfrepair

Remote support

Remote support is available with supported devices as part of your warranty or contractual support agreement. It provides intelligent event diagnosis, and automatic, secure submission of hardware event notifications to Hewlett Packard Enterprise, which will initiate a fast and accurate resolution based on your product's service level. Hewlett Packard Enterprise strongly recommends that you register your device for remote support.

For more information and device support details, go to the following website:

www.hpe.com/info/insightremotesupport/docs

9 Related documentation

For more information about BIND (HP-UX NameServer), see the following documents at <http://www.hpe.com/info/hpux-networking-docs-11iv3>:

- *BIND (HP-UX NameServer) Release Notes*
- *BIND 9 Administrator Reference Manual*
- *HP-UX IP Address and Client Management Services Administrator's Guide*

Software and documentation 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.

Reporting defects

You can report defects related to BIND (HP-UX NameServer) product.

Contact your local Hewlett Packard Enterprise representative to file a defect on your behalf.

10 Documentation feedback

Hewlett Packard Enterprise is committed to providing documentation that meets your needs. To help us improve the documentation, send any errors, suggestions, or comments to Documentation Feedback (docsfeedback@hpe.com). When submitting your feedback, include the document title, part number, edition, and publication date located on the front cover of the document. For online help content, include the product name, product version, help edition, and publication date located on the legal notices page.

More on BIND (HP-UX NameServer) documentation

For more information on documentation and other manuals of BIND (HP-UX NameServer), see [HP-UX Networking Documents](#).

Support policies for HP-UX

For more information about support policy of HP-UX, see [HP-UX support policy](#).