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Release Notes for Cisco Network Registrar 3.0(1)T

These release notes describe the caveats and new features for Cisco Network Registrar 3.0(1)T.



Warning The upgrade procedures for Solaris have changed from earlier revisions. Read “Upgrading From Previous Releases” section on page 5 before proceeding. **Do not run the Solaris `pkgm` command before reviewing these instructions. The `pkgm` command may delete your data.**

This document contains the following sections:

- Introduction 2
- System Requirements 2
- Software Compatibility 3
- User Interface and Server Interoperability 4
- What’s New in This Release 4
- Cisco Network Registrar Release 3.0(1)T 4
- Cisco Network Registrar Release 3.0T 4
- Upgrading From Previous Releases 5
- Upgrading From CNR Release 1.x 5
- Upgrading from CNR Release 2.x or 3.x Solaris 5
- Upgrading from CNR Release 2.x Windows NT Server 6
- Cisco Connection Online 6
- Special Considerations 7
- Reverting to a Previous Version from Release 3.0(0.2)T or higher 7
- Resolved and Unresolved Bugs for 3.0(1)T 7

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Introduction

The release of Network Registrar 3.0(1)T contains the following components:

- CD-ROM containing the software
- *Network Registrar Concepts Guide*
- *Getting Started with Network Registrar*
- *Network Registrar CLI Reference Guide*
- *Network Registrar User's Guide*
- *Cisco Network Registrar 3.0 AIX Installation*
- *Cisco Network Registrar 3.0 HP-UX Installation*
- *Network Registrar Web GUI Installation Instructions*
- *Release Notes for Network Registrar 3.0(1)T*

Network Registrar includes Windows[®] NT servers, CLI, and GUI, and Solaris[®] servers, CLI, and a Motif[®] GUI, and AIX[®] and HP-UX[®] servers and CLI.

You can run the servers and the associated user interfaces on the appropriate platform, or you can run the servers on one platform and the user interfaces on another.

System Requirements

Network Registrar 3.0(1)T runs on Windows NT 4.0, Solaris 2.5.1, and Solaris 2.6. Network Registrar's 3.0(1)T GUI also runs on Windows 95.

For all OS platforms, Cisco recommends that you install the current service pack (Windows) or recommended patch cluster (Solaris).

- Windows NT 4.0 must be run with service pack 3, or for Y2K compliance, on service pack 4.
- Solaris 2.5.1 has been tested with the recommended patch cluster that was current on February 11, 1998. In particular, it was tested with these patches installed:

Table 1 **Solaris 2.5.1 Patches**

103461-20	103558-11	103566-25
103582-15	103594-13	103603-06
103612-38	103622-09	103630-09
103640-17	103663-09	103680-01
103686-02	103690-05	103696-03
103738-05	103743-01	103817-02
103866-05	103879-04	103900-01
103901-08	103934-06	103959-06
104010-01	104166-03	104212-09
104246-05	104266-01	104283-03
104317-01	104331-04	104334-01
104338-02	104433-06	104516-03
104533-03	104613-01	104650-02
104654-03	104692-01	104708-09

Table 1 Solaris 2.5.1 Patches (Continued)

104736-03	104776-02	104795-02
104893-01	104935-01	104956-04
104958-01	104960-01	104968-02
104976-03	105004-09	105050-01
105092-01	105251-01	105299-01
105344-01	105352-01	105520-01

Solaris 2.6 has been tested with the recommended patch cluster that was current on February 11, 1998. In particular, Solaris 2.6 was tested with these patches installed:

Table 2 Solaris 2.6 Patches

105216-01	105393-01	105518-01
105615-02	105621-01	105665-01
105667-01	105379-01	105786-01
105669-02	105558-01	105375-03
105357-01	105356-01	105407-01

Software Compatibility

Network Registrar 3.0(1)T is compatible with the following:

- DHCP clients—All RFC 1954, 2132, and 2133 compliant DHCP and BOOTP clients
- DNS servers—Any DNS server compliant with RFC 2136 Dynamic DNS Updates and RFC 1995 and 1996 (IXFR and NOTIFY)
- LDAP servers—Any LDAP v2 or v3 server, including servers from Netscape, Sun Microsystems, and Lucent Technologies

There is a known problem on Solaris that may cause the DHCP server to hang during initialization. The problem is described by Sun RFE 4071167. You can encounter the deadlock in the Solaris name resolver client by installing a linked set of patches from Sun, including 103663-08, and disabling host name caching in `nscd` (to improve name resolver client performance), which is recommended by Sun in RFE 1243174.

To avoid this problem, do *one* of the following:

- Do not install the linked patch set.
- Do not disable “`nscd`” host name caching.
- Install patch 103663-11 (Solaris 2.5.1) or 105755-01 (Solaris 2.6).

User Interface and Server Interoperability

The following table describes the typical outcome when you run different versions of the user interface and the servers:

Table 3 Network Registrar Interoperability

GUI and CLI	Server	Outcome
3.0	2.5	Network Registrar runs successfully.
2.5	3.0	Network Registrar UI displays the error message “Unsupported version number.” The server is unaffected.

What’s New in This Release

The following sections describe the new features in Cisco Network Registrar Release 3.0(1)T and Cisco Network Registrar Release 3.0T.

Cisco Network Registrar Release 3.0(1)T

Cisco Network Registrar Release 3.0(1)T offers these new features:

- DHCP lease query—A method for a uBR to discover the mapping between IP and MAC addresses. This is necessary in some customer environments to prevent theft of service on the cable network.
- Read-only user interface—A feature that allows a site to have one user interface in use with full read/write privileges and a several interfaces in use with just read privileges.
- DNS force transfer—A method for a site to manually force an update on a secondary server when the primary server has newer information.
- LDAP log and error messages—Messages that indicate progress in accessing an LDAP server. This feature makes it easier to diagnose problems interfacing to LDAP.
- Improved server, GUI and CLI performance—A data structure enhancement that increases processing speed and new lease generation when a large number of scopes are configured.

Cisco Network Registrar Release 3.0T

Cisco Network Registrar Release 3.0T offers these new features:

- Integration of the TFTP server into the CNR server framework
- Enhancements to the CNR user interfaces to support the TFTP server
- Enhancements to the CNR DHCP server in support of the TFTP server dynamic DOCSIS file creation
- Enhancements and customizations to the CNR DHCP server in support of data-over-cable deployments
- Improved performance
- Unique error code numbers on NT
- Support for Solaris 7

Upgrading From Previous Releases

When you upgrade from a previous release of Network Registrar, you can choose to save your database or overwrite it. If you overwrite your database, you lose all information about your zones, scopes and leases.

Upgrading From CNR Release 1.x

To upgrade from any Network Registrar release numbered 1.x, you must first upgrade to release 2.0 before upgrading to release 3.0T or 3.0(1)T. Contact the Technical Assistance Center if you need additional information.

Upgrading from CNR Release 2.x or 3.x Solaris



Warning The upgrade procedures for Solaris have changed from earlier revisions. **Do not run the Solaris `pkgrm` command before reviewing these instructions. The `pkgrm` command will delete your data if you use it to remove or upgrade Network Registrar release 2.5.**

To upgrade from Network Registrar release 2.x or 3.x, you *must* run the program **upgrade_cnr** in the `solaris` subdirectory of the CD-ROM. If you use the standard configuration of the Solaris automounter, this program will be located in the directory `/cdrom/cnr_3_0_1_t/solaris/upgrade_cnr`.

The upgrade program does the following:

- Backs up your existing database
- Uninstalls your current version of Network Registrar
- Installs the latest version of Network Registrar at the location where the previous version was installed

Note You cannot use the upgrade program to install a new version of Network Registrar in a new location. You cannot use the upgrade program to select options, such as Complete, Server, and GUI. The upgrade program only upgrades the options that were previously installed.

To upgrade from Network Registrar 2.x or 3.x to Network Registrar 3.0(1)T on a Solaris server and to preserve your database, do the following:

Step 1 Login as root.

Step 2 Run the `/cdrom/cnr_3_0_1_t/solaris/upgrade_cnr` program.

```
# /cdrom/cnr_3_0_1_t/solaris/upgrade_cnr
```

If you mount the CD-ROM manually, or have a non-standard automounter configuration, or are using an unpacked electronic distribution of Network Registrar, replace `/cdrom/cnr_3_0_1_t` with the directory on which the CD-ROM is mounted, or the directory containing the unpacked electronic distribution.

Note You must run the script with an absolute path, as shown above. If you run it with a relative path (for example, by typing `cd /cdrom/cnr_3_0_1_t/solaris` and then `./upgrade_cnr`), it will not work.

Step 3 Follow the instructions on the screen.

This completes the procedure for upgrading from Network Registrar 2.x or 3.x to Network Registrar 3.0(1)T on a Solaris server. When the upgrade is complete, Network Registrar's services will start automatically.

Upgrading from CNR Release 2.x Windows NT Server

To upgrade from Network Registrar 2.x or 3.x to Network Registrar 3.0(1)T on a Windows NT server and to preserve your database, do the following:

Step 1 Run **setup.exe**.

Step 2 Follow the instructions that appear on your screen.

Answer Yes to the question about upgrading your existing installation. This preserves the data in your database.

To upgrade from Network Registrar 2.x or 3.x to Network Registrar 3.0(1)T on a Windows NT server *without* preserving your database, do the following:

Step 1 Run the **uninstall** program.

Step 2 Perform an initial installation as described in the "Installing Network Registrar on Windows" section on page 1-8 of the *Network Registrar Getting Started Guide*.

Note To non-interactively upgrade a previous release of Network Registrar, see the instructions in the text file `\i386\UPGRADE2.ISS` on the Network Registrar CD.

Cisco Connection Online

Cisco Connection Online (CCO) is Cisco Systems' primary, real-time support channel. Maintenance customers and partners can self-register on CCO to obtain additional information and services.

Available 24 hours a day, 7 days a week, CCO provides a wealth of standard and value-added services to Cisco's customers and business partners. CCO services include product information, product documentation, software updates, release notes, technical tips, the Bug Navigator, configuration notes, brochures, descriptions of service offerings, and download access to public and authorized files.

CCO serves a wide variety of users through two interfaces that are updated and enhanced simultaneously: a character-based version and a multimedia version that resides on the World Wide Web (WWW). The character-based CCO supports Zmodem, Kermit, Xmodem, FTP, and Internet e-mail, and it is excellent for quick access to information over lower bandwidths. The WWW version of CCO provides richly formatted documents with photographs, figures, graphics, and video, as well as hyperlinks to related information.

You can access CCO in the following ways:

- WWW: <http://www.cisco.com>
- WWW: <http://www-europe.cisco.com>
- WWW: <http://www-china.cisco.com>
- Telnet: cco.cisco.com

- Modem: From North America, 408 526-8070; from Europe, 33 1 64 46 40 82. Use the following terminal settings: VT100 emulation; databits: 8; parity: none; stop bits: 1; and connection rates up to 28.8 kbps.

For a copy of CCO's Frequently Asked Questions (FAQ), contact cco-help@cisco.com. For additional information, contact cco-team@cisco.com.

Note If you are a network administrator and need personal technical assistance with a Cisco product that is under warranty or covered by a maintenance contract, contact Cisco's Technical Assistance Center (TAC) at 800 553-2447, 408 526-7209, or tac@cisco.com. To obtain general information about Cisco Systems, Cisco products, or upgrades, contact 800 553-6387, 408 526-7208, or cs-rep@cisco.com.

Documentation CD-ROM

Cisco documentation and additional literature are available in a CD-ROM package shipped with your product. The Documentation CD-ROM, a member of the Cisco Connection Family, is updated monthly. Therefore, it might be more current than printed documentation. To order additional copies of the Documentation CD-ROM, contact your local sales representative or call customer service. The CD-ROM package is available as a single package or as an annual subscription. You can also access Cisco documentation on the World Wide Web at <http://www.cisco.com>, <http://www-china.cisco.com>, or <http://www-europe.cisco.com>.

If you are reading Cisco product documentation on the World Wide Web, you can submit comments electronically. Click **Feedback** in the toolbar and select **Documentation**. After you complete the form, click **Submit** to send it to Cisco. We appreciate your comments.

Special Considerations

This section contains information about special considerations for Network Registrar.

Reverting to a Previous Version from Release 3.0(0.2)T or higher

If you install Network Registrar Release 3.0(0.2)T or higher, then revert to a previous version, you must delete **C:\Program Files\Network Registrar\Data\DB\vista.taf** (Windows NT) or **/var/nwreg2/data/db/vista.taf** (Solaris) before loading **nrcmd**, **ntwkreg**, or any other program that uses the RAIMA database. Otherwise an error message displays.

Resolved and Unresolved Bugs for 3.0(1)T

The list of resolved and unresolved bugs is available on the Cisco Network Registrar CD-ROM. To display it, navigate your browser to this file: **CD-ROM Drive/docs/BugList.html**.

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