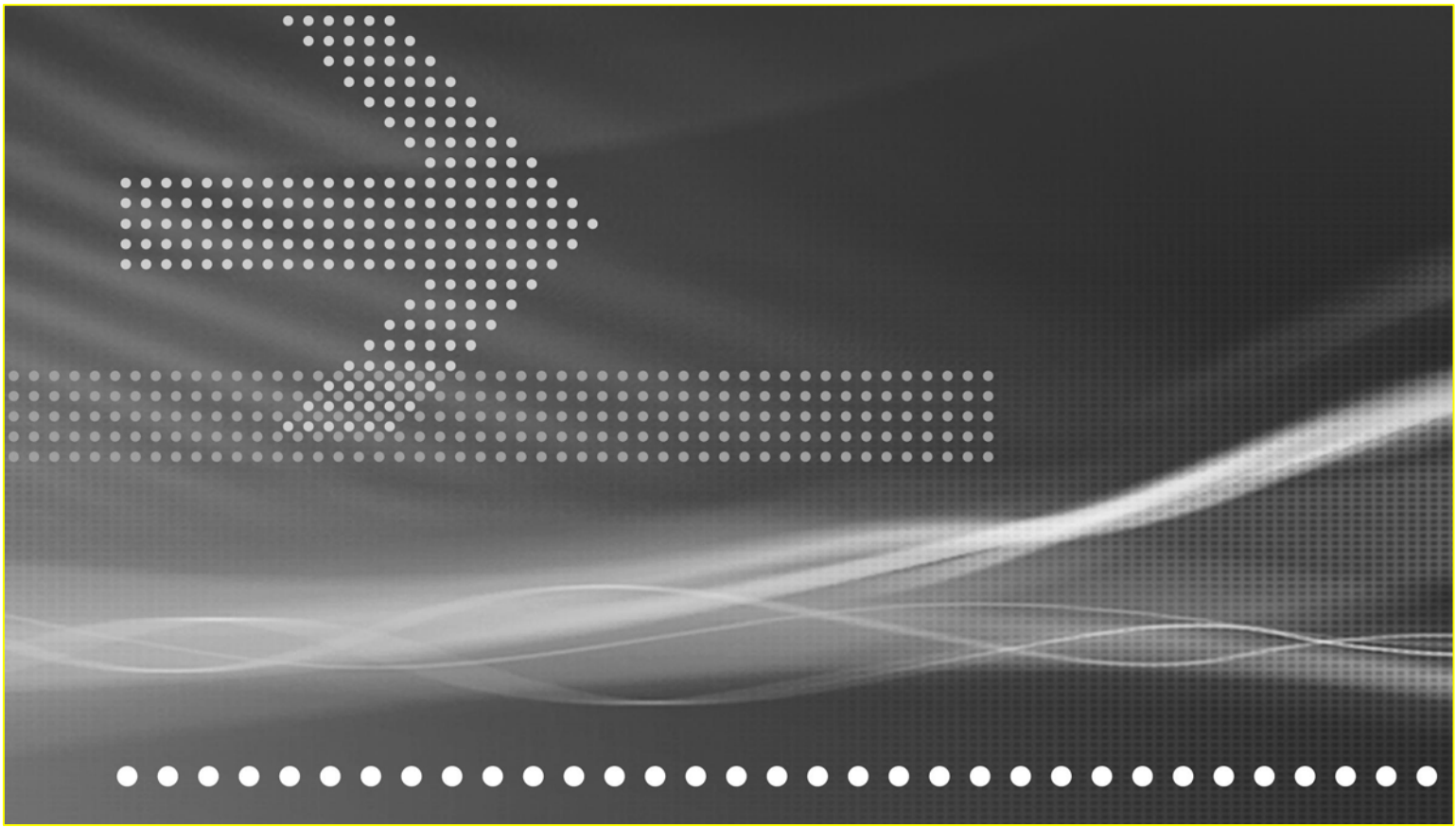

Alcatel-Lucent VitalQIP

DNS/DHCP & IP MANAGEMENT SOFTWARE | ENUM MANAGER RELEASE 1.2

RELEASE NOTES

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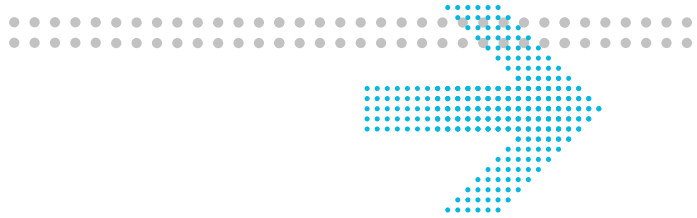

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About this document

Purpose

This document provides important information about the contents of ENUM Manager. It covers new features, system requirements, product installation and upgrades, as well as resolved problems and known issues..

Reason for reissue

The following table shows the revision history of this document.

Issue number	Date of issue	Description of changes
1	August 2007	Maintenance release. Resolved Issues and Known Issues tables updated.
2	September 2008	• Added ENUM00000224 to Known issues chapter and documented the workaround. Refer to "Known issues and workarounds in ENUM Manager 1.2" on page 5-6. • Added note to Installation chapter to indicate that DNSUpdateRR message route must be commented out after ENUM Manager is installed. Refer to "Performing first-time installation" on page 7-2. • Implements a new Alcatel-Lucent corporate template.
3	March 2009	• Added ENUM0000141, ENUM0000228, and ENUM0000271 to "Resolved issues", on page 4-2. • Added VQIP00020547 to "Resolved issues in VitalQIP", on page 4-3.

Conventions used

This document uses the following typographical conventions:

Appearance	Description
Italicized text	• File and directory names • Titles of publications • A value that the user supplies
Bold italicized text	• Emphasized information
graphical user interface text or key name	• Text that is displayed in a graphical user interface or in a hardware label • The name of a key on the keyboard
`input text`	Command names and text that the user types or selects as input to a system
`Italicized input text`	Input variable for which you must substitute another value. The angle brackets **<** and **>** also indicate the value is a variable.
`output text`	Text that a system displays or prints

Technical support

For assistance, contact your Welcome Center:

- For North America customers: **1-866-LUCENT8** (**582-3688**), Option 1, Option 2
- For Europe, Middle East, and Africa technical support: **00 800 00 LUCENT** or **+353 1692 4579**
- For Central and South America customers:
  - Brazil: 0800 89 19325 or (+55) 11 3205 7626

  Important! For other local CALA numbers consult the web site http://www.alcatel-lucent.com/support or contact your local sales representative.
- For Asia Pacific technical support:
  - **1800-458-236** (toll free from within Australia)
  - (IDD) **800-5823-6888** (toll free from Asia Pacific – China, Hong Kong, Indonesia, South Korea, Malaysia, New Zealand, Philippines, Singapore, Taiwan, and Thailand)
  - **(613) 9614-8530** (toll call from any country)

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How to order

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How to comment

To comment on this document, go to the Online Comment Form (http://www.lucent-info.com/comments/) or e-mail your comments to the Comments Hotline (comments@alcatel-lucent.com).

1 Release components

Overview

Purpose

This chapter describes software and documentation deliverables included in this release.

Contents

This chapter covers these topics.

Software deliverables	1-2
How to obtain software	1-2
Document deliverables	1-4
To obtain documentation	1-4

Software deliverables

The following table lists the software that comprises the ENUM Manager 1.2 release.

Table 1-1 Software deliverables

Type	Platform	Directory	File
ENUM Manager Software	Solaris	vitalqipenum/1.2-VitalQIP7.1/solaris/ ENUM1.2-VitalQIP7.1-solaris	*enum12SetupSolaris.bin*
	Windows 2003 SP1	vitalqipenum/1.2-VitalQIP7.1/windows/ ENUM1.2-VitalQIP7.1-windows	*enum12setupwin32.exe*

How to obtain software

ENUM Manager 1.2 installation files are available for download via Alcatel-Lucent Electronic Delivery (ALED) services. ALED uses secure HTTP and FTP to download files and documentation. In order to use ALED, you must be registered with Alcatel-Lucent Global Support.

If you are not registered with Alcatel-Lucent Global Support, visit https://market.lucent.com/release/SPRegistrantTypeSvlt. If you need assistance in registering, contact the Alcatel-Lucent Customer Support Services:

- Inside the United States: 1 (866) 582-3688, prompt 7
- Outside the United States: 1 (630) 218-7688

You must have SSH installed and configured before downloading installation files. For more information about setting up secure FTP, visit https://download.support.lucent.com/cgi-bin/ssh_ftp.cgi. After you have set up secure FTP, you can connect via secure FTP and access the **Product|Version|Platform** directory to download the product's files. To download the product via secure HTTP, follow these steps:

1. If you have not registered, register at https://market.lucent.com/release/SPRegistrantTypeSvlt
2. Open a browser and go to https://support.lucent.com/portal/olcsHome.do.

3 Log in with your user name and password. The Customer Center is displayed.

4 Under Customer Support, click **Documentation and downloads**.

5 Click the **Product index** link.

6 Click **V**.

7 Click **VitalQIP® ENUM Manager**.

8 Under Documentation and downloads, click **Downloads: Electronic Delivery**.

9 Select **1.2-VitalQIP7.1** and click **Next**.

10 Select the appropriate platform and click **Next**.

11 Select the file to download and click **Next**.

12 Specify the download directory on your local machine.

13 Click **Download** to use the legacy download agent, or **Download Plus** to use the GetPlus® download agent.

END OF STEPS

Document deliverables

Documentation available for this release

The following table lists the available documentation for the ENUM Manager 1.2 release.

Table 1-2 Documentation list

Type	Directory	File
ENUM Manager 1.2 User's Guide	/vitalqipenum/1.2-VitalQIP7.1/docs /ENUM1.2-UsersGuide	*ENUM_User.pdf*

To obtain documentation

ENUM Manager product documentation is available to customers through OnLine Customer Support (OLCS).

To navigate to OLCS, follow these steps:

1. Go to https://support.lucent.com/portal/productIndexByCat.do
2. Select the product category for which you require documentation. For example, for ENUM Manager documentation, select **Network, Service Management and OSS**, and then select **VitalQIP® ENUM Manager**.
3. To obtain the User's Guide, select **Manuals and Guides**. To obtain release notes, select **Release Information**.

2 New features

Overview

Purpose

VitalQIP® ENUM Manager is a centralized management solution enabling administration of ENUM domains and Naming Authority Pointer (NAPTR) records in VitalQIP and the Lucent DNS server. ENUM Manager provides the ability to update Lucent DNS servers with ENUM information. Lucent's DNS server resolves queries for E.164 domain names to a URI.

ENUM Manager 1.2 includes the northbound interface (known as the VitalQIP Web Service), which is a SOAP-based web service that enables SOAP clients to add, update, delete and retrieve NAPTR records. The VitalQIP Web Service works in asynchronous and synchronous modes. In synchronous mode, the VitalQIP Web Service client waits until the Web Service has completed processing the request and then receives the result of the operation. In asynchronous mode, the northbound system (the Web Service client) just waits for an immediate synchronous acknowledgement. Later, an asynchronous response is returned.

Contents

This chapter covers these topics.

New features	2-2

New features

ENUM Manager 1.2 is a maintenance release that addresses the issues listed in Chapter 4.

The following table describes the new features included in this release.

Table 2-1 New features

Feature ID	Feature Name	Description
	Certification of ENUM Manager with VitalQIP 7.1	ENUM Manager needs to be certified with VitalQIP 7.1.

3 Changes to interfaces, alarms, and messages

Overview

Purpose

This chapter is not pertinent to the ENUM Manager 1.2 release.

4 Resolved issues

Overview

Purpose

This chapter describes resolved issues in this release.

Contents

This chapter covers these topics.

Resolved issues in ENUM Manager	4-2
Resolved issues in VitalQIP	4-3

Resolved issues in ENUM Manager

The following table identifies the customer reported issues that have been resolved in ENUM Manager 1.2.

Table 4-1 Customer-reported ARs resolved in Release 1.2

Fault ID	AR number	Description of issue	Release fixed
ENUM0000141		The Delete-all operation from the CLI or northbound interface does not work, if a trailing dot is not present in the domain name.	ENUM 1.2
ENUM0000228	1-1819480	When modifying an entry in the ENUM Manager screen, characters after the "=" sign in the regular expression field are stripped.	ENUM 1.2
ENUM0000271	1-2006514	• For multiple requests, the asynchronous id for the asynchronous request from upstream was being duplicated. • A unique key constraint violation error is logged in the *NB_Server.log* file.	ENUM 1.2
ENUM00000123		Add WebService port information to Documentation	ENUM 1.0 P2
ENUM00000125	1-1329718	Unable to log into ENUM manager after closing **`xterm`** due to Tomcat services exit.	ENUM 1.2
ENUM00000127	1-1342651	SOAP inteface returns Java exception `Nullpointer exception error` if the parameters **`asyncInd`**, **`SendMultipleErrors`** or **`asynData`** are not present in the **`AddDelUpdRequest`** message.	ENUM 1.2
ENUM00000128	1-1348361	VitalQIP northbound interface requires **`!^*$!`** in regular expression for delete.	ENUM 1.0 P2 B16
ENUM00000129		Make ENUM Manager Patch Backward Compatible (change it to ignore a dot sent in the Replacement field for an Update or Delete operation, if the RegularExpression field is populated.).	ENUM 1.0 P2 B16
ENUM00000130		enum patch script does not extract *enm.jar* into classes directory.	ENUM 1.0 P2 B16

Fault ID	AR number	Description of issue	Release fixed
ENUM00000131		**`enum-patch.sh`** northbound install/patch script may not keep the original *enum.properties* settings.	ENUM 1.0 P2 B16
ENUM00000143		Windows Northbound installation installs/uses a copy of enum.properties in *%ENUMHOME%\axis\conf*, while Unix uses a link to *$ENUMHOME/defaultroot/conf/enum.properties*	ENUM 1.1

Resolved issues in VitalQIP

The following table identifies the customer reported issues that have been resolved in VitalQIP.

Table 4-2 Customer-reported ARs resolved in VitalQIP

Fault ID	AR number	Description of issue	Release fixed
VQIP00009808		CNAME can be added with the same name as a NAPTR RR and no warning message	VitalQIP 6.2 B40
VQIP00009815		**`qip-splitmergeenum`** splits ENUM domains and assigns wrong parent ID	VitalQIP 6.2 B40
VQIP00009817		CNAME same as NAPTR error not thrown if CNAME entered in domain RR tab where CNAME would not reside	VitalQIP 6.2 B40
VQIP00011457	1-1393032	Dynamic updates for NAPTR records from the ENUM GUI do not work if the organization is not the default organization.	VitalQIP 6.2 B45
VQIP00020547		When VitalQIP Schedule service updates the license, it first deletes the license and then inserts a new one. During this interval, ENUM Manager reads the license and obtains a null value.	VitalQIP 7.1 PR4

5 Known issues

Overview

Purpose

This chapter describes known issues and workarounds if available for ENUM Manager releases.

Contents

This chapter covers these topics.

Known issues and workarounds in ENUM Manager 1.0	5-2
Known issues and workarounds in ENUM Manager 1.0 Patch 1	5-3
Known issues and workarounds in ENUM Manager 1.2	5-6

Known issues and workarounds in ENUM Manager 1.0

The following table includes a list of known issues that were identified as customer impacting and/or outstanding customer problems not yet resolved in earlier ENUM Manager releases.

Table 5-1 Known issues and workarounds in ENUM Manager 1.0

Fault ID	AR number	Description of issue	Workaround
ENUM00000070	N/A	Paths in *enum.properties* must include double backslashes for Windows.	Change the `ENUMHOME` and `Log4jConfigFile` values in the *%ENUMHOME\defaultroot\conf\enum.properties* file to include double backslashes. For example, if `ENUMHOME=e:\g62\enum`, change the entries as follows: **`ENUMHOME=e:\\q62\\enum`** **`Log4jConfigFile=e:\\q62\\enum\\defaultroot\\conf\\enum_log4j`**

Fault ID	AR number	Description of issue	Workaround

ENUM00000073	N/A	Installation fails to report Sybase database index creation failure.	Ensure that Sybase is installed correctly with the logical page size set to 8K.
			After a successful ENUM installation where the database has been initialized, check the *$ENUMHOME/log* directory for the following files:
			index.err
			index.out
			sp.err
			sp.out
			table.err
			table.out
			trigger.err
			trigger.out
			Inspect the contents of each file for possible errors, and take appropriate action. A sample error from the *index.out* file is as follows:
			`Rebuilding pk_naptr_rrs`
			`Installing uk1_naptr_rrs ...`
			`Msg 1903, Level 16, State 1:`
			`Server 'QA2K3E82', Line 1:`
			`600 is the maximum allowable size of an index. Composite index specified is 1034 bytes.`
			`Installing idx1_naptr_rrs ...`
			`Installing idx2_naptr_rrs`
			This error indicates the Sybase logical page size is not set to the recommended size of 8K. Please upgrade your Sybase installation to match VitalQIP 7.1 recommendations (refer to the *VitalQIP 7.1 Installation Guide*), and re-install ENUM Manager.

Known issues and workarounds in ENUM Manager 1.0 Patch 1

The following table includes a list of known issues that were identified as customer impacting and/or outstanding customer problems not yet resolved in the ENUM Manager 1.0 Patch 1 release.

Table 5-2 Known issues and workarounds in ENUM Manager 1.0 Patch 1

Fault ID	AR number	Description of issue	Workaround
ENUM00000091	N/A	Class value from *enum.properties* not being used. All RRs are always added as IN, regardless of the value of Class in the *enum.properties* file.	None.
ENUM00000110	N/A	*NB_Server_log4j.properties* file is installed with read only permissions and logging level set to DEBUG.	After installation, as root, change directory to *$ENUMHOME/axis/conf* and change the permissions on the *NB_Server_log4j.properties* to allow write permission to at least the root user. Edit the file and change the logging levels to WARN or INFO as desired. The current setting of DEBUG generates detailed logs and impacts performance of the Web Service (northbound interface).
ENUM00000113	N/A	Invalid name used for creating error file for northbound interface. This issue is specific to Windows environment.	None.
ENUM00000114	N/A	Delete does not work from **`setnaptr`** CLI or from northbound interface in case where Services field is enclosed in double quotes.	Use requests where the value for the Services field is not enclosed in double quotes.
ENUM00000118	N/A	Delete operation does not add a trailing dot (“.”) to the DomainName or Replacement fields if missing, in order to match existing naptr.	Include a trailing dot (“.”) for the DomainName or Replacement field.
ENUM00000119	N/A	Quotes not stripped from around the SubscriberID field with Northbound SOAP interface.	Do not use quotes around the SubscriberID field.
ENUM00000121	N/A	Replacement field should be case-Insensitive.	None.

Fault ID	AR number	Description of issue	Workaround
VQIP00010098	N/A	Dynamic updates of NAPTR RRs may change the value of the Regular Expression field of the resource record RDATA, when there are backslashes (escaped characters) present in the field.	For the northbound interface: 1. Turn off dynamic updates in the *enum.properties* file (set **`DDNSU_NB=false`**), and then push to the DNS server when updates from the northbound interface are complete. 2. Follow similar steps for updates from the GUI and CLI.

Known issues and workarounds in ENUM Manager 1.2

The following table includes a list of known issues that were identified as customer impacting and/or outstanding customer problems not yet resolved in the ENUM Manager 1.2 release.

Table 5-3 Known issues and workarounds in ENUM Manager 1.2

Fault ID	AR number	Description of issue	Workaround
ENUM00000224	1-174156	ENUM dynamic updates and EDUP do not work together	After installing ENUM Manager, always follow these steps: 1. Comment out the DNSUpdateRR message route in the *qip.pcy* file: ***MessageRoute=DNSUpdateRR:A:0:QIP Update Service (Update RR):VitalQIP QIP Update Service: IP address*** 2. Stop and restart the VitalQIP Message Service (***qip-msgd***) so the revised *qip.pcy* file will be read. For information on stopping and starting VitalQIP services, refer to the *VitalQIP Administrator Reference Manual*. Result: NAPTR records are only added to the ***naptr_rrs*** table and not to the resource record of the e164.arpa domain. If this change is not made and a NAPTR record is added and then deleted, a CNAME error message prevents the record from being added again in the future.

6 System requirements

Overview

Purpose

This chapter describes software and hardware requirements and compatibility restrictions.

Contents

This chapter covers these topics.

Supported platforms	6-2
Software requirements	6-2
Hardware requirements	6-3
Compatibility restrictions	6-3

Supported platforms

The following table lists the platforms that are supported in ENUM Manager 1.2.

Table 6-1 Supported platforms

VitalQIP component	Platform
ENUM Server	Solaris 9 and Solaris 10 UltraSPARC
	Windows 2003 Standard and Enterprise Server (32 bit only)

Software requirements

The section lists the software requirements for ENUM Manager 1.2 on Solaris (Sparc) and Windows. Please note if you are not currently running on the supported platform version, you are strongly encouraged to upgrade to the supported version.

The following table lists the software requirements for ENUM Manager 1.2.

Table 6-2 Software requirements

Software	Version	Description/comments
VitalQIP	7.1	
Lucent DNS	4.0	
Perl	5.6.x or later	
Oracle	10gR2 Enterprise Edition, 10gR2 Standard Edition	If Oracle Enterprise Edition is installed, the Advanced Security Option is set by default with the Oracle installation. This setting causes the VitalQIP Schedule Service (**qipd**) not to start. To avoid the problem, you must install Oracle Enterprise Edition by doing a custom installation and deselecting the Advanced Security Option setting. If the Oracle Enterprise Edition is installed with the Advanced Security Option set, run the Oracle installation, select Advanced Security Option from the installed items list, and uninstall the Advanced Security Option to remove the setting. If Oracle Standard Edition is installed, the Advanced Security Option is not set by default. The VitalQIP Schedule Service (**qipd**) will start.

Software	Version	Description/comments
Sybase	15.0.1	
Axis	1.2.1	

Hardware requirements

The following table lists the hardware requirements for the ENUM server.

Table 6-3 Remote server hardware requirements

Platform	Requirements
Windows	• 1 GHz Pentium Processor, or higher • 512 MB memory, minimum; more is strongly recommended • 160 MB of Disk Space
Solaris	• 500 MHz Processor • 512 MB memory, minimum; more is strongly recommended • 160 MB of Disk Space

Compatibility restrictions

ENUM Manager 1.2 is compatible with VitalQIP 7.1 and subsequent point releases of VitalQIP 7.1.

7 Installation and upgrade notes

Overview

Purpose

This chapter contains notes on installation of ENUM Manager 1.2.

Contents

This chapter covers these topics.

Performing first-time installation	7-2
Performing upgrades	7-2

Performing first-time installation

Before installing any additional VitalQIP products, contact your sales representative to obtain a license key for each VitalQIP Add-on product. If you encounter problems during the installation, contact technical support for assistance. Refer to "Technical support", on page viii.

For instructions on installing , refer to Chapter 1, "ENUM Manager Installation" of the *ENUM Manager User's Guide*.

Important! After installing ENUM Manager, always comment out the DNSUpdateRR message route in the *qip.pcy* file:

```
MessageRoute=DNSUpdateRR:A:0:QIP Update Service (Update RR):VitalQIP QIP
Update Service: IP address
```

Stop and restart the VitalQIP Message Service (**qip-msgd**) to ensure that the revised *qip.pcy* file will be read. For more information on stopping and starting VitalQIP services, refer to the *VitalQIP Administrator Reference Manual*.

Performing upgrades

Prior to installing , follow the uninstall directions in Chapter 1 of the *ENUM Manager User's Guide* to remove any existing installation.

Glossary

A

ALED
Alcatel-Lucent Electronic Delivery

D

DNS
Domain Name Service

E

ENUM
tElephone NUmber Mapping

N

NAPTR
Naming Authority PoinTeR

R

RFC
Request for Comment

S

SOAP
Simple Object Access Protocol

SSH
Secure Shell Protocol

U

URI
Uniform Resource Identifier or Universal Resource Identifier