

VitalQIP®

ENUM Manager 1.0

Add-on Module Software

Ease administration of Electronic Numbering (ENUM) domains and NAPTR records in *VitalQIP®* and the Lucent DNS server

Benefits

- Provides a critical and necessary solution to maintaining the ENUM DNS name space
- Ensures consistency of the various NAPTR records
- Enables end to end flow through provisioning of subscribers and services
- Seamlessly Integrates with *VitalQIP* IP address management software
- Simplifies administration of e.164 domains

Seamlessly Integrates with *VitalQIP* IP address management software

Market-leading *VitalQIP®* DNS/DHCP and IP Management software helps you efficiently configure, automate, integrate and administer IP services across your entire network — locally or globally. This powerful management software centralizes IP services planning and administration, enabling you to rapidly provision address space and reliably deliver critical IP name and services throughout your network.

VitalQIP® software gives you the foundation to build additional functionality into an existing management system, extending your capabilities and increasing the return on your network investment. Choose from a full range of available management modules, such as *VitalQIP®* ENUM Manager 1.0 add-on software, to augment the value and versatility of your *VitalQIP®* software solution.

Provides a critical and necessary solution to maintaining the ENUM DNS name space

ENUM Manager provides a centralized management solution enabling administration of ENUM domains (e.g., e164.arpa.) and the Naming Authority Pointer (NAPTR) records in *VitalQIP®* and the Lucent DNS server. The *VitalQIP®* ENUM Manager provides the ability to administer ENUM records in the *VitalQIP®* database and manage and update Lucent DNS servers. Lucent's DNS server resolves queries for telephone number to URI/URL

translation for On-Net calling and other ENUM capabilities. *VitalQIP* ENUM Manager offers comprehensive administration capabilities to effectively leverage the existing DNS infrastructure permitting ENUM services to be deployed in the network.

Ensures consistency of the various NAPTR records

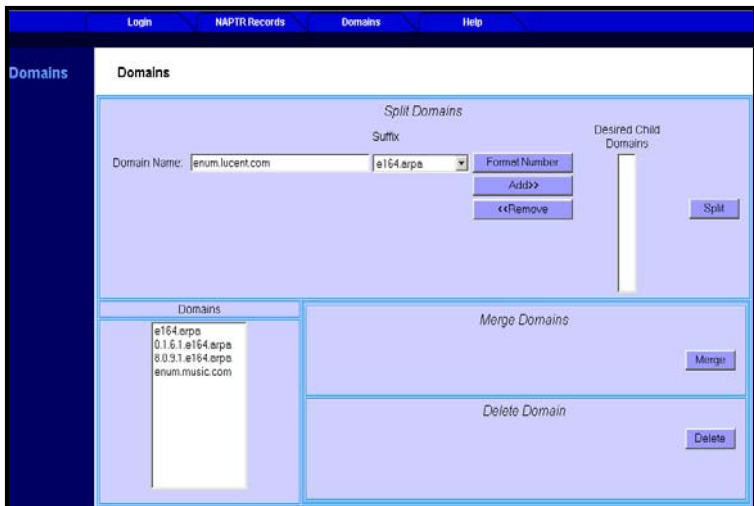
ENUM Manager simplifies the implementation of many of the more "user-hostile" elements. The ENUM Manager GUI allows an administrator to manually create, update, delete, and search the NAPTR records. Simply entering and formatting the regular expression field can be a cause of major concern. A user-friendly GUI enables manual configuration of the essential parameters to be quickly accomplished. The GUI provides the capability to automatically create the regular expressions as required and provides a level of error checking / validation during the process. In order to create a NAPTR record the administrator simply populates a few fields and once executed, the record is pushed to both the *VitalQIP®* database and the Lucent DNS server.

Enables end to end flow through provisioning of subscribers and services

Using an XML/SOAP interface, E.164 records can be loaded from a variety of sources into *VitalQIP*. The open interface supports dynamic loading of new records from provisioning systems, and bulk loading records from databases for initial population of E.164 records. ENUM Manager stores this data in the *VitalQIP* ENUM database. *VitalQIP* ENUM Manager accesses this database, and uses this data to update Lucent DNS servers, either through Dynamic DNS updates or zone file pushes.

Simplifies administration of e.164 domains

To handle the growth of your E.164 domain, the ENUM manager features the ability to administer ENUM domains in order to fit your network topology. *VitalQIP*® ENUM Manager provides broad domain management capabilities to the administrator. Through the user-friendly GUI domains can be split, merged and deleted quickly. An administrator simply highlights the desired domains, and the appropriate zone files are pushed to the *VitalQIP*® ENUM Manager database and the Lucent DNS servers. These configuration enhancements can be stored for future zone updates. Over time, as the numbering plans change, the administrator can rearrange the E.164 domains to match the network or to improve performance in demanding areas of the network.



Features

- Centralized management solution enabling administration of ENUM domains (e.g., e164.arpa.)
- Interface to provisioning systems
 - Secure, open interface
 - Initial load- Bulk loading of ENUM info to DNS
 - Batch updates
 - Online updates
- Comprehensive GUI for administering of NAPTR records and domains
- Support for Lucent DNS 4.0 (BIND 9 compliant)
- Proven performance and management

• Platform support

- HP-UX 11.11
- IBM AIX 5.2
- Solaris (Sparc®) 8, 9
- Windows® 2000 Advanced Server SP4
- Windows® 2003 Server
- RedHat Enterprise Linux 3.0
- Sybase 12.5
- Oracle 9.2

To learn more, contact your Lucent Technologies sales representative, authorized reseller or sales agent. You can also visit our web site at <http://www.lucent.com/vital> or call: 1-888-426-2252

This document is provided for planning purposes only, and does not create, modify or supplement any warranties, which may be made by Lucent Technologies relating to the products and/or services described herein. The publication of information contained in this document does not imply freedom from patent or other protective rights of Lucent Technologies or third parties.

VitalQIP is a trademark of Lucent Technologies Inc. All other brand and product names are trademarks or registered trademarks of their respective holders.

Copyright © 2005. Lucent Technologies Inc. All rights reserved. VQSM.ds.06.05

Lucent Technologies
Bell Labs Innovations



Award Winning Partner

n3k Informatik, Inc.
1001 6th Avenue, 12th Floor
New York, NY 10018-5411

T: (212) 601-5001
F: (802) 609-5003
info@n3kinc.com
www.n3kinc.com