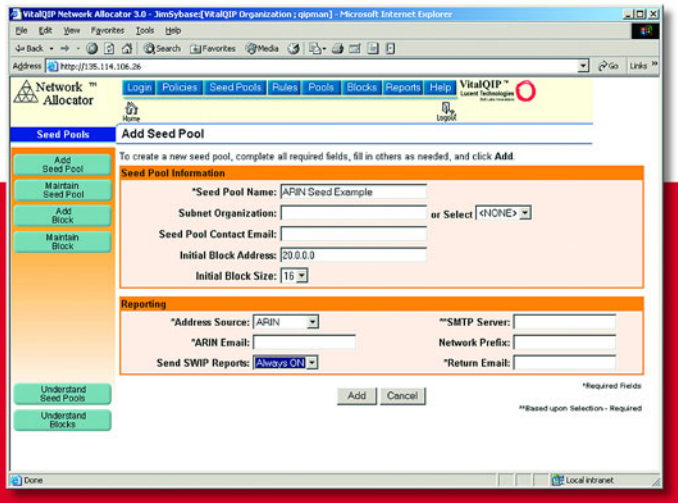

VitalQIP™
Network Allocator 3.0
Add-on Module Software

Add a powerful network device and service management tool to your VitalQIP™ DNS/DHCP and IP Address Management system to automate network and subnet creation processes

Benefits

- Automates address allocation for IP subnets
- Optimizes address space usage
- Makes IP network easier to extend and manage
- Speeds deployment of large numbers of subnets
- Streamlines subnet creation
- Enables non-technical staff to create subnets quickly on demand via a user-friendly, template-based approach

Market-leading VitalQIP™ DNS/DHCP and IP Address 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 address 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™ Network Allocator software, to augment the value and versatility of your VitalQIP™ software solution.

Allocate IP subnets addresses systematically

Today's IP networks are growing, evolving and required to accommodate more users rapidly, effectively and with top Quality of Service. To add new users to existing networks, IT administrators must first create new subnets. However, this can be a time-consuming, sometimes complex process that may result in bottlenecks or total lack of service, both unacceptable conditions. In traditional settings, creating IP subnets is a process requiring multiple steps and the direct involvement of skilled personnel. Moreover, the process of adding new subnets must be repeated each time a new branch office or Internet Service Provider (ISP) customer is brought into the network.

Lucent VitalQIP™ Network Allocator software helps eliminate this complexity and streamline the subnet creation process. It is a powerful tool that reduces the challenges of subnet definition and creation into a single-step procedure, saving time and the need for highly skilled staff to accomplish the task. With its innovative, template-based approach for subnet creation, non-technical personnel can create subnets quickly and with virtually no error.

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Replenish allocated addresses automatically

VitalQIP™ Network Allocator software optimizes the use of address space by defining a hierarchy of address pools. Customer requests for network addresses are filled by allocating a block of available addresses from the correct pool. As address pools become depleted, replenishment from their parent pools are automatic. VitalQIP™ Network Allocator software answers a subnet request to assign a contiguous block of addresses from a valid pool. As these are allocated, the system automatically replenishes new addresses throughout the hierarchy as defined by the rules you set to govern the pools. After you configure the VitalQIP™ Network Allocator software to assign addresses, the system provides one-step subnet definition and creation.

To simplify address allocation requests, VitalQIP™ Network Allocator software provides the ability to interface directly with American Registry for Internet Numbers (ARIN). When an address block is allocated, the software can be configured to send a Shared Who IS Project (SWIP) report to ARIN. When a block needs to be removed from the ARIN database, VitalQIP™ Network Allocator software will send a removal or modification SWIP report to ARIN. Reports are also available to support address usage required to request additional space from ARIN.

Enhance productivity with built-in provisioning models

Since subnet definition is a repetitive process, VitalQIP™ Network Allocator software employs models for different types of subnets. For example, an ISP can issue a 28-bit subnet (255.255.255.240) to a specific type of business customer. The model can be configured to standardize equipment placement — always placing the router in the first address field. This template-based, consistent approach to equipment and communications configurations automatically generates requisitions, speeds subnet provisioning and eliminates potential error.

Automate subnet integration

The VitalQIP™ Network Allocator software database is updated automatically as address blocks are assigned. Additionally, DNS and DHCP scope entries are posted as well. The system enables you to routinely administer name and address quickly, accurately and efficiently since the entire subnet definition and creation process is now handled by a simple, integrated web-based workflow.

VitalQIP™ Network Allocator software helps eliminate the complexity and streamlines your subnet definition and creation tasks so you can save time, expenses and customer-affecting delays in delivering the high value services your subscribers demand.

Supported platforms

- HPUX 11
- IBM® AIX 4.3.3
- Sun® Solaris 7 and 8
- Windows® NT 4.0 Service Pack 6a
- Windows® 2000 SP2 Advanced Server

Supported databases

- Oracle® 8.1.7
- Sybase® 12.0

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/oss or call: 1-888-426-2252

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