

VitalQIP® AutoDiscovery



Powerful AutoDiscovery capability allows you to obtain an accurate snapshot of your IP network infrastructure.

Benefits

- Automate IP address management
- Generate periodic discrepancy reports between the network and *VitalQIP*®
- Detect stealth IP nodes and associated information
- Collect data from network segments and populate *VitalQIP*®
- Synchronize devices discovered in network with *VitalQIP*® database

Streamline IP Address Management

Market-leading *VitalQIP*® software helps efficiently configure, automate, integrate and administer IP services across the entire network. This powerful management software centralizes planning and administration, enabling the rapid provisioning of address space and reliable delivery of critical IP name and address services throughout the network. Compatible with multiple technologies and platforms, it helps streamline management tasks with a comprehensive suite of integrated tools and user interfaces. As networks continue to grow in size and complexity, IT managers face the increasing challenge of handling more IP devices, greater traffic volumes and new technologies, such as VoIP, ENUM, RFID, IPv6, Mobile HSD and IP Video. *VitalQIP*® software can help by automating the end- to-end management of IP names, addresses, and services, enabling IT managers to configure, integrate, and administer IP services across the entire network more efficiently and effectively.

Integrated and Automated Data Extraction

VitalQIP® AutoDiscovery allows you to create profiles from *VitalQIP* and then run the network discovery function on that part of the network. Integrating with *VitalQIP*® for input eliminates the possibility of errors in data entry and makes the discovery process seamless. Creation of profiles allows the user to run the discovery in an “offline” mode even when it is not connected to the *VitalQIP*® database. The same profile information is then used to extract the corresponding data from *VitalQIP*®.

Integrated with *VitalQIP*® for Discrepancy Reporting

VitalQIP® AutoDiscovery includes a configurable Diff Engine that can compare the two outputs received from network data extraction and *VitalQIP*® data extraction. The output of the Diff Engine highlights potential discrepancies between the network and *VitalQIP*® database and is displayed in a user-friendly HTML format. Users can also filter the reports to see subsets of the report such as view dynamic addresses, view static addresses, filter out zero MAC addresses, etc. For programmatic processing of the output, this information is also available in XML format.



Distributed Architecture

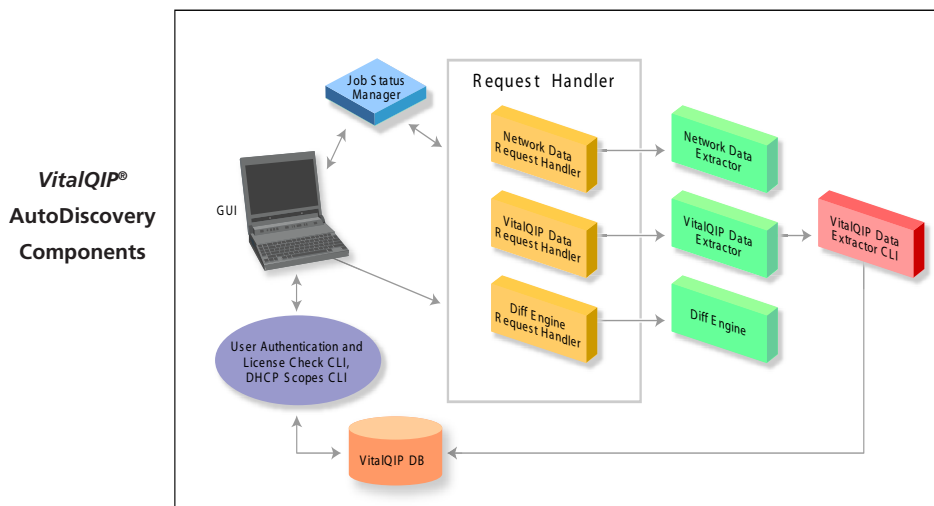
Often times the network to be discovered/scanned is outside the firewall preventing the network data extractor component access to those devices. In AutoDiscovery 2.0 the architecture has been enhanced to distribute the network data extractor. The Network Data Extractor can be installed and configured on a remote machine that has minimum *VitalQIP*[®] components. This remote machine may be outside the firewall of AutoDiscovery server and inside another firewall environment.

VitalQIP[®] Database Synchronization

In Release 2.0, AutoDiscovery provides the ability to trigger updates to the *VitalQIP*[®] database from the Diff Reports. This feature is an enhancement to the R1.0 comparison report that identifies the difference between the actual network data and the *VitalQIP*[®] database data. In R2.0 users select the items from the report and update the *VitalQIP*[®] database (add/delete/modify) with those objects. Users can select single record, multiple records or all the records.

Features

- Configurable and integrated network discovery
- Discrepancy reports between the network and *VitalQIP*[®]
- Web based UI for configuring and viewing of reports
- Scan networks behind firewalls
- Synchronization of network devices with IP Address Management database
- Hardware, OS, Database, and Software Requirements:
 - Sun Low/Midrange servers
 - Operating System –
 - ◆ Solaris 9.2.x
 - ◆ Windows 2003 Server
 - Software - *VitalQIP*[®] Release 6.2
 - Databases
 - ◆ Oracle 9.2
 - ◆ Sybase 12.5.3



New *VitalQIP*[®] Customers can utilize the AD2.0 database update feature to provide an efficient method of collecting and importing all the subnets and static IP objects in their networks. While existing *VitalQIP*[®] customers can quickly add new subnets to the organization due to merger or acquisitions. In addition, customers can periodically monitor their subnets to ensure the network is in synch with the *VitalQIP*[®] database.

Flexible, Extensible and Modular

The typical AutoDiscovery module usage is expected to encompass a network scan, a corresponding *VitalQIP*[®] database query, and a call to the Diff Engine to report on the differences between the two sets of data. However, because administrators may not always want to request all three functions at the same time, the *VitalQIP*[®] AutoDiscovery GUI supports requests for user-selected combinations of these functions.

To learn more about these and other enterprise management solutions, 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.

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