

Alcatel-Lucent OmniAccess VPN Server Module

WIRELESS SOFTWARE



The Alcatel-Lucent VPN Server module enables Alcatel-Lucent mobility controllers to provide high-performance VPN tunnel termination to internal and external users through a variety of standards-based client software. Virtual Private Networks (VPNs) have become an important tool in securing wireless networks, particularly when the client device does not support the latest wireless LAN security standards such as WPA2 or 802.11i. The VPN Server module also extends the mobile edge to remote sites through site-to-site VPN tunnels between Alcatel-Lucent mobility controllers or third-party VPN concentrators.



FEATURES

- VPN roaming
- On-the-fly VPN dialer installation
- VPN server emulation
- Optional Advanced AAA module
- Optional Remote AP module

BENEFITS

- Clients connected via VPN can roam between access points without need to re-authenticate, providing seamless secure mobility
- Users can install pre-configured VPN dialer on the fly, lowering the cost of deployment
- Investment protection throughout use of existing VPN clients from leading vendors to connect to Alcatel-Lucent mobility controllers directly
- Allows selection of authentication server based on FQDN or realm information, easing network integration projects resulting from mergers and acquisitions
- Extends corporate WLAN environment seamlessly over the internet using IPsec allowing immediate and corporate-like WLAN connectivity anywhere with an internet connection

High Scalability and Performance

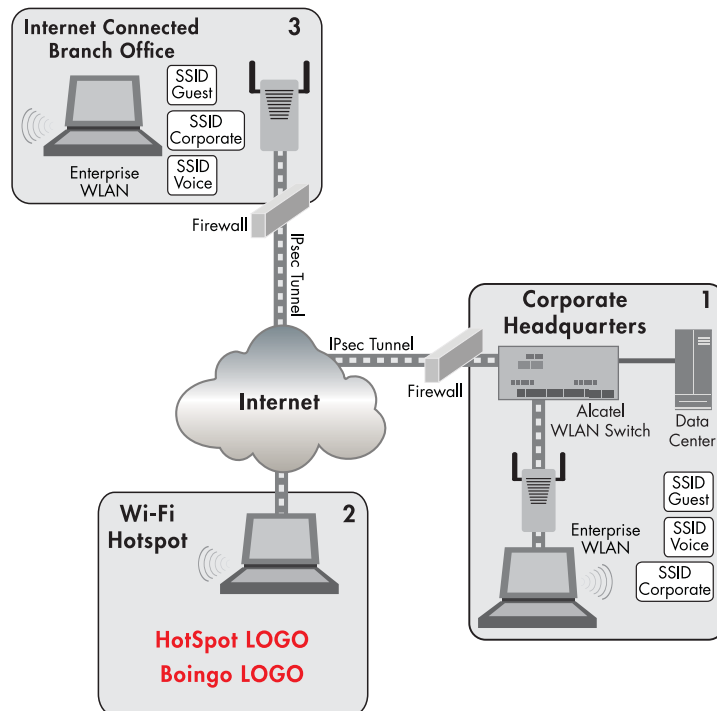
Alcatel-Lucent mobility controllers contain dedicated hardware for packet processing and encryption providing high scalability and high-throughput performance even when serving thousands of simultaneous VPN connections.

VPN Concentrator Emulation

A unique capability of the Alcatel-Lucent VPN Server allows mobility controllers to emulate any other VPN concentrator in the network. By using this feature, enterprise customers with existing VPN deployments can use existing clients including their configurations to connect to an Alcatel-Lucent mobility controller, easing deployment and lowering the cost of ownership.

Zero-Touch touch VPN

Eliminate the high costs of VPN client management by automating the client installation.



Secure local, branch office and hotspot connections with the Alcatel-Lucent VPN server

ALCATEL - LUCENT MOBILITY

Mobile Edge Client to Windows 2000 or Windows XP client machines. This client software contains pre-configured parameters to access the VPN, and will act as a front-end to the built-in Microsoft VPN client. This allows a user to install a VPN client on-the-fly without the need to know anything more than their username and password.

Unique VPN Roaming

Alcatel-Lucent's unique feature set allows internal users to roam between access points without requiring re-authentication, improving the user experience. The Alcatel-Lucent VPN Server also supports NAT Traversal for reliable VPN connectivity over the Internet through NAT gateways such as broadband routers that may not include support for IPsec.

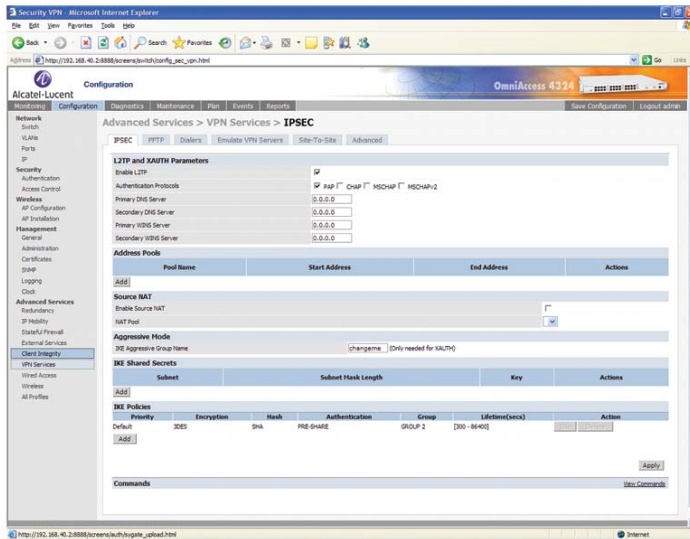
Flexible Authentication Options

The Alcatel-Lucent VPN Server includes seamless integration with RSA SecurID two-factor authentication systems. The VPN Server also includes support for new-PIN and next-PIN mode for RSA SecurID implementations.

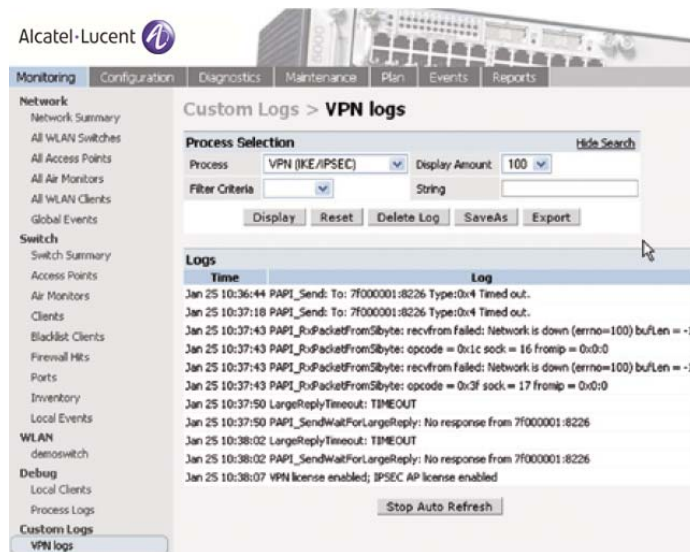
Also included is support for LDAP (Lightweight Direct Access Protocol), as well as an internal authentication database. With the optional Advanced AAA module, network administrators can enable the selection of authentication server based on FQDN (Fully Qualified Domain Name) or Windows realms.

Site Site-To-Site VPN

Extend the mobile edge to locations beyond the main site/campus by using the capabilities of the Alcatel-Lucent mobility controllers to establish VPN tunnels across non-secure networks such as the Internet. This provides a secure path for all data and management traffic between different sites of an organization and ensures that the users get the same level of security and mobility in different sites or branch offices of the organization.



Simplified browser-based or familiar CLI-controllers can securely download the zero-touch driven configuration of VPN settings



VPN logs help monitoring and troubleshooting Spec Sheet:

TECHNICAL SPECIFICATIONS

Protocols Supported

- L2TP/IPsec (RFC 3193)
- XAUTH/IPsec
- PPTP (RFC 2637)
- VRRP-based redundancy across mobility controllers

Authentication Flexibility

- Internal database
- RADIUS
- Active Directory
- LDAP
- SecurID
- Windows Realm and FQDN-based selection of authentication server with
- Advanced AAA module

Performance

- Platform: 6000-Sup2
 - 3DES Throughput: 3.5 Gbps
 - VPN Users: 2000
- Platform: 6000-Sup1
 - 3DES Throughput: 1.8 Gbps
 - VPN Users: 2000
- Platform: 2400
 - 3DES Throughput: 4000 Mbps
 - VPN Users: 256
- Platform: 800
 - 3DES Throughput: 200 Mbps
 - VPN Users: 128

To learn more, contact your dedicated Alcatel-Lucent representative, authorized reseller, or sales agent. You can also visit our Web site at www.alcatel-lucent.com.

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