

ArubaOS

VPN Server Module

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The ArubaOS VPN Server module enables Aruba Mobility Controllers to provide high-performance Virtual Private Networks (VPN) tunnel termination to mobile users through a variety of standards-based client software. VPNs have become an important tool in securing wireless networks, particularly when the client device does not support current wireless LAN security standards such as WPA2 or 802.11i. The VPN Server module also extends secure connectivity to remote sites through site-to-site VPN tunnels between Mobility Controllers, 3rd-party VPN concentrators or routers.

Massive Scalability and Performance

Aruba Mobility Controllers use dedicated hardware for packet processing and encryption, providing massive scalability and high-throughput performance even when serving thousands of simultaneous VPN connections.

VPN Concentrator Emulation

A unique capability of the 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 a Mobility Controller, simplifying deployment and lowering the total cost of ownership.

Zero-Touch VPN

The VPN Server lowers the high costs of VPN client management by automating client installation. Mobility Controllers can securely download the zero-touch VPN Dialer to Windows 2000, Windows XP, or Windows Vista client machines, and this client software will act as a front-end to the built-in Microsoft VPN client, allowing a user to configure a VPN client on-the-fly without knowing more than their username and password.

Unique VPN Roaming

Internal users can roam between access points without requiring reauthentication, improving the user experience. The Aruba 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 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 X.509 certificates for tunnel authentication.

Product Overview



Benefits:

Massive Scalability and Performance

- Dedicated packet processing and encryption hardware
- Supports thousands of connections

VPN Concentrator Emulation

- Supports a variety of existing standards based clients
- Zero touch deployments for Windows 2000/XP

Product Overview

More Benefits:

Streamlined Deployment

- Integrated VPN gateway
- Flexible authentication options

Site-to-Site VPN

- Secure centralized management for multi-site networks
- Extend secure mobility beyond a single campus

Specifications:

Protocol Support

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

Authentication Flexibility

- Internal database, RADIUS, Active directory, LDAP, SecurID, IKE PSK, X.509 PKI

Site-to-Site VPN

Extend secure connectivity to locations beyond the main site/campus by utilizing 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 experience the same level of security and mobility in different sites or branch offices of the organization.

Platform	3DES Throughput	VPN Users
6000-Sup1	1.8 Gbps	4,096
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2400	4,000 Mbps	256
800	200 Mbps	128
200	200 Mbps	50

Feature	Benefit
VPN roaming	Clients connected via VPN can roam between access points without need to re-authenticate, providing seamless secure mobility.
On-the-fly VPN dialer installation	Users can install pre-configured VPN dialer on the fly, lowering the cost of deployment.
VPN server emulation	Investment protection throughout use of existing VPN clients from leading vendors to connect to Mobility Controllers directly.

LTI DataComm

23020 Eaglewood Ct. #100
Sterling, VA 20166
www.ltidata.com
800-677-5050