

RADIUS One Network Identity Appliance

Secure, simple, reliable appliance for scalable authentication, authorization, and accounting services.

OVERVIEW

The RADIUS protocol is a widely used protocol for performing network authentication, authorization, and accounting (AAA) functions. It is used to control remote and local user access—via dial-in, VPN, firewall, wireless, LAN, or any combination. It is a key component of any network security architecture.

RADIUS One appliances are designed to provide the foundation for next-generation network identity services in a secure and easy-to-manage implementation. The hardened appliance design and intuitive graphical user interface (GUI) simplify the application and administration of network AAA services. RADIUS One works with existing enterprise network-access equipment from a variety of vendors out of the box, and it easily scales and adapts to meet future network requirements.

BENEFITS AND FEATURES

Keeping RADIUS Secure


Because RADIUS is an authentication protocol that grants access to critical network resources, it is imperative that it be deployed securely. Infoblox's secure appliance approach (no open ports or user accounts and one-button upgrades) ensures that customers wishing to deploy RADIUS One outside the firewall don't need to take any special security precautions.

Simplifying RADIUS Management and Reporting

A simple-to-configure RADIUS server minimizes the headaches associated with managing network-access security. Unlike other RADIUS servers, RADIUS One is a true appliance and doesn't require system or database administration that increases the complexity and total cost of ownership. The web-based GUI is delivered directly from the appliance itself, and can be run on any Java-compliant browser. RADIUS One logs all network access and authentication activity, providing a security audit trail, accounting data for departmental charge-backs, and important information for network diagnostics. All information is logged in industry-standard formats (MERIT, Livingston, TACACS+, and more).

Out-Of-The-Box Interoperability

RADIUS One is a fully standards-compliant RADIUS server and supports a wide variety of authentication protocols for interoperability with clients and network devices of all kinds, in-



RADIUS One

Introducing the RADIUS One Appliance

- ▶ Hardened appliance design for secure RADIUS delivery
- ▶ User administration via intuitive web GUI
- ▶ Quick installation and intuitive, secure management
- ▶ Suited for all levels of AAA administrators
- ▶ Easy integration with external data stores
- ▶ Interoperable with a wide variety of vendors' equipment through pre-loaded dictionaries
- ▶ One-click upgrades and customized monitoring
- ▶ True hardware and software redundancy
- ▶ Advanced logging
- ▶ On-board help and diagnostics

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cluding routers, switches, wireless switches and controllers, firewall/VPN devices, and many other types of networking equipment. RADIUS One can also authenticate users against many types of external user databases, including Active Directory, LDAP, and SecurID. RADIUS One enables user authentication via Microsoft's Active Directory without requiring any additional client or domain controller software.

High Availability for Critical Applications

RADIUS servers play a critical role in mediating access to a network. Consequently, their availability is essential. The failure of a RADIUS server can cut off wired, wireless, and remote users from a corporate network, costing the company hours of lost productivity. RADIUS One ships with a High Availability (HA) mode built into the product, enabling companies to implement solutions that are resistant to the failure of a single device or component.

A Better Approach to Scalability and Total Cost of Ownership

Infoblox delivers network identity appliances via hardened, distributed appliances. In addition to security, simplicity, and reliability gains, the appliance approach offers unmatched scalability and reduced total cost of ownership when compared with traditional, centralized software-based approaches.

APPLICATIONS

802.1x for Port Authentication

RADIUS One is fully compliant with 802.1x and supports all current EAP variants in use by third-party wireless LAN solutions, making it the perfect solution for your wired or wireless authentication infrastructure.

802.1x for Wireless Security

For wireless networks, RADIUS One provides a simple, secure solution for implementing identity-based authentication for wireless access.

Role-Based Firewall/VPN Security

RADIUS One plays a key role in enabling role-based network access security for firewall/VPN devices. True role-based network access security relies on tuning user access privileges with business policies and a device's vendor-specific attributes (VSAs). RADIUS One's powerful yet highly intuitive GUI simplifies the process of setting fine-grained user privileges on a secure, hardened appliance.

VPN User Authentication

In a VPN environment, RADIUS One can manage both user authentication and tunnel authorization, allowing you to reduce total cost of ownership by managing credentials from a central location.

Firewall Administration

RADIUS One can be used as a single, consolidated user database for firewall administrators. Centralizing authentication of firewall administrators reduces the chance that a failure to synchronize authentication data manually will cause a security problem. In fact, RADIUS One can simplify authentication for a wide variety of network access and policy-enforcement devices.



For More Information:

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