TechBridge
Making the World Smarter

Authentication, Authorization and Accounting (AAA)

Today, global enterprises, government agencies, and their respective networks face many obstacles. Chief among these obstacles is keeping the enterprise network secure while authenticating and managing thousands of users who require local and remote network access on a daily, if not continual basis. In many instances, these global organizations and their networks are handling more users daily or even hourly than many of the world's busiest telecom operators and service providers.

To address these monumental challenges, it is critical for global organizations to select and deploy the most powerful, reliable AAA/RADIUS authentication solution available. Techbridge's tbAAA accomplish this, significantly enhancing the security and manageability of enterprise and government networks.

Authentication

- PAP, CHAP, MS-CHAP, MSCHAPv2, SIP Digest and all common EAP types
- All client operating systems are supported including Windows XP(SP1 & SP2) and Vista, Linux, Mac OSX, *BSD and many others.

Authorization

- Both pre-authentication and post-authentication policies are supported
- Policies may be stored in databases, flat-text files or in Perl or Python scripts.
- IP addresses can be allocated through IP Pools.

Accounting

- All common accounting methods are supported.
- Accounting data can be logged to flat-text files or to most databases
- Schemas and queries for both plain Internet access and VoIP are included

Proxying

- Any RADIUS request can be proxied
- Standard RADIUS realms are supported
- More complex policies can use any method necessary.

Vendor Dictionaries

- Over 100 vendor dictionaries are supported
- All common vendor equipment is supported including all common attributes used by each vendor.

Database

- All commonly used databases are supported for authorization, authentication and accounting
- Fail-over and load balancing across multiple servers is also supported

Virtual Servers

- Only RADIUS server that supports virtual servers
- Simplifies complex implementations
- Reduces ongoing support and maintenance costs.

Administration Audit logs

- Empowers administrations to track who logged onto or disconnected from tbAAA server and when and what changes were made to the server.
- Supports local storage of audit logs to the server being administered, in an administrator-definable directory with retention for an administrator defined time period.
- Ensures a high level of administrative accountability.
- Supplies a substantive audit trail and peace of mind to your operations team
- Helps to address compliance with regulatory requirements.

Increased Network Control

- Empowers administrators with enhanced security controls
- Provides unsurpassed business logic controls that allow administrators to determine what levels of authentication and authorization they require based on the access being requested by the user.
- Offers virtually anytime /anywhere administration

Comprehensive Support

- Delivers cross-platform (Windows, Solaris, Linux), multivendor, multiple authentication method support
- Supports all popular stores of user credentials (Microsoft Active Directory, LDAP, SQL, Token, Proxy Radius)

Features

- Enhances the security and manageability of Enterprise & Government networks
- Deliver scalable Authentication control
- Robust Access Policy management
- Centralized Configuration management with the performance needed to tackle tens of thousands of concurrent users
- Market Leader in AAA/RADIUS/TACACS+ server for mid-sized to very Large Enterprises
- Unparallel support
- Quality Delivery

Manage the risks associated with employee access

1 **Authenticate** Confirm the right person is accessing the system

2 **Authorize** Give minimum access for their needs

3 **Accounting** Monitor activites for security and compliance

Protocols

- CHAP
- MS-CHAP
- MS-CHAPv2
- 802.1X (EAP, EAP-TLS, PEAP, EAP-TTLS, EAP-MD5, EAP-GTC, LEAP)
- HTTP Digest authentication

Current and Future Network Investment Protection

- Standards-based and vendor-agnostic, interfacing seamlessly with network
- Access equipment from different vendors simultaneously to protect existing network equipment investments
- Designed for compatibility and interoperability, supporting current and future network configurations
- Instantly accommodates new employees and legacy systems.

Easy Deployment, Administration and Maintenance

- Saves support staff time and expense while increasing productivity through dynamic reporting and statistics as well as comprehensive, granularly detailed log files
- Decreases administrative time, load and cost while limiting administration and configuration errors via centralized administration and management features and automated or customized configuration tools and processes.

Network Security

- Standardizes and enforces unified authentication and security

- Implements robust controls on users and their network access
- Determines and aids in enforcing who can connect to the network, when and for how long.

Others

- VLAN assignment may be done via the VMPS protocol.
- IP address assignment can be done via the experimental DHCP implementation.
- Support EAP
- Operating Systems: 64 bit

All RADIUS RFC's are supported. The server is compliant with the following specifications:

rfc1157 rfc1227 rfc1448 rfc1901
rfc1905 rfc2243 rfc2289 rfc2433
rfc2548 rfc2607 rfc2618 rfc2619
rfc2620 rfc2621 rfc2716 rfc2759
rfc2809 rfc2865 rfc2866 rfc2867
rfc2868 rfc2869 rfc2882 rfc2924
rfc3162 rfc3575 rfc3576 rfc3579
rfc3580 rfc3748 rfc4372 rfc4675
rfc4679 rfc4818 rfc4849 rfc5080
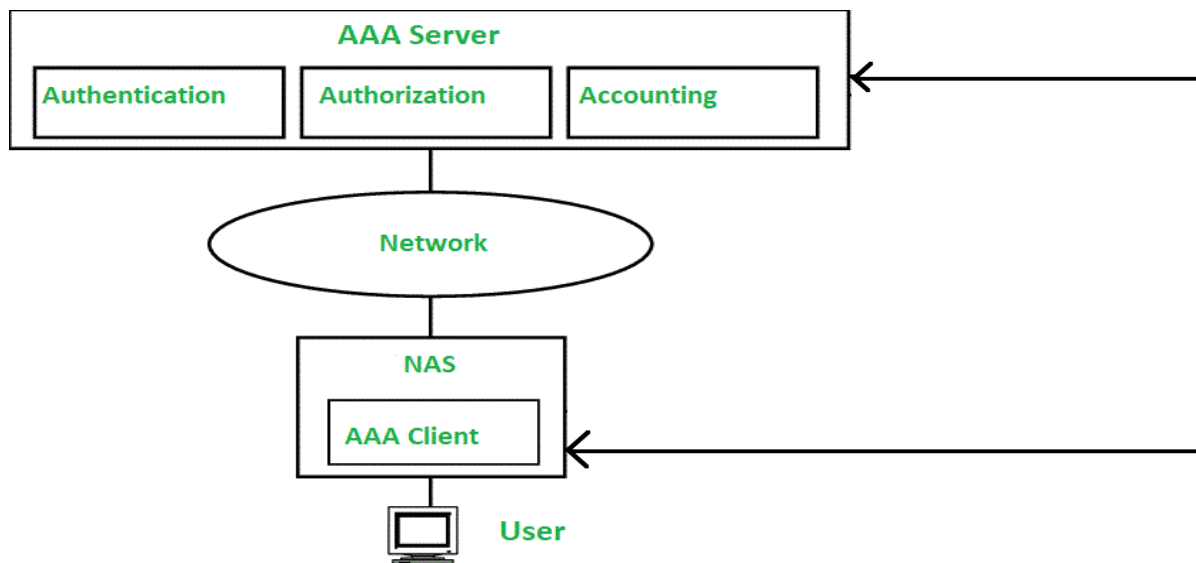
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About TechBridge

TechBridge is the World's leading Product & Solutions Company. Data Center Applications, Collaboration and Real Time Communication. DC Management and Monitoring, Disaster Management, Security, Collaboration and Cloud. Its market-leading Network Modernization, Unified Communications, Mobility and Embedded Communications solutions enable customers to quickly capitalize on growing market segments and introduce differentiating products, applications and services. We are an expert and leader in Government Solutions, Smart City Solutions, Data Centers and Large Enterprises. We do custom applications also, as per the customer requirements.

Certificates:-

ISO 9001	ISO 27001	ISO 20000	CMMi L3

ISO 15408-1	PinkVERIFY

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