# Fisher
Extended RADIUS Server

In the modern network environment, management of network security is paramount. Controlling who and what connects to your network is essential to protect critical infrastructure and information. Fisher gives you the most flexible and extensible RADIUS server to integrate your existed user database to build a complete security architecture.

Fisher Value Proposition

- Supports wired and wireless deployments
- Supports any authentication method – PAP, CHAP, MS-CHAP, EAP-MD5, EAP-TTLS, EAP-PEAP, EAP-FAST, LEAP, and so on
- Cross platform, multi vendor support – WLAN, VPN, NAS, 802.1x, and so on
- Supports many user backend types – LDAP, AD, POP3(S), IMAP4(S), SMTP(S), RADIUS, TACACS+, SQL, and so on
- One-Time Password – Windows, Linux, Mobile Token
- Supports tokens – ActivCard, TRI-D OTP, CRYPTOCard, RSA SecureID
- Easy diagnostics, on-line user list, dynamic statistics and reports
- RADIUS Proxy
- RADIUS test utilities
- Simple to configure and maintain – Web GUI
- Supports DHCP Server
- Supports VRRP for redundant function
- Supports SNMP v1/v2c/v3
- Supports SSH v1/v2
- Supports NTP

Mail Domain Alias

Designed to interoperate with any email servers – POP3(S), IMAP4(S), SMTP(S), and using single domain alias for various email servers.
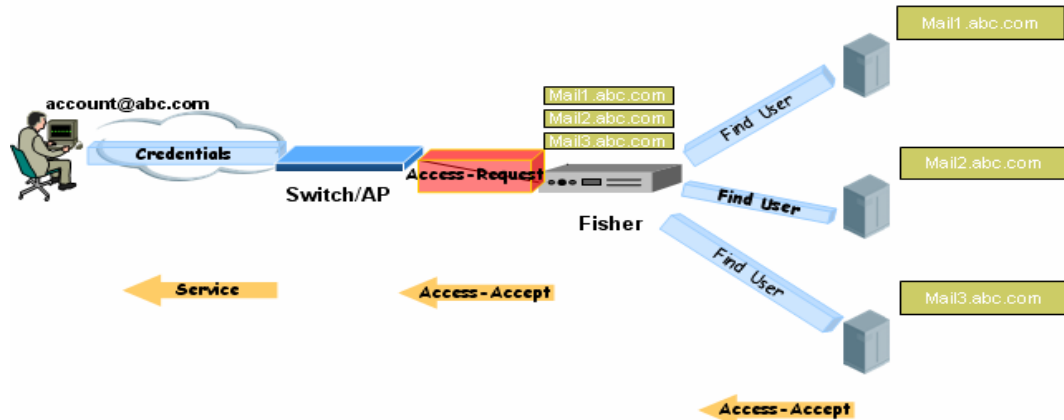
Technical Specifications

Special Features

- Unlimited users and NAS devices
- Fully featured web GUI interface for configuration and monitoring
- Username rewriting and realm stripping
- Automatically choose authentication methods based on any combination of request attributes

Proxying

- Proxy to primary/secondary radius servers
- Rewriting of requests & replies during forwarding & proxying

RFC's

- Complies with RFCs 2138,2139,2548, 2619,2621,2865,2866,2867,2868,2869
- EAP RFC's 2716, 2246, 2284, 2869 & 2284

Authentication Methods

- Authentication for many different realms, clients or any other RADIUS attribute with different databases options & authentication Methods
- Simultaneous use checking can optionally verify sessions for most NASs
- Flat files in standard RADIUS user database format
- LDAP Supports SSL and TLS connections
- Windows Active Directory
- POP3, POP3S, IMAP4, IMAP4S, SMTP, SMTPS
- PAP, CHAP, MSCHAP(v1 and v2) Authentication

EAP 802.1 X

- EAP TLS, EAP MD5, EAP PEAP, EAP TTLS(including PAP, CHAP, MSCHAPV1, MSCHAPV2)
- Dynamic WEP keys supported for PEAP, TLS and TTLS
- Proxying of EAP requests

EAP Clients Supported

- Windows XP & Vista, MacOS X, Xsupplicant, WPA_Supplicant, Alfa+Ariss SecureW2

User management/Accounting/Billing

- Utilities for creating & updating user databases in various formats
- On-Line users report
- Kick out On-Line user