
TekRADIUS complies with RFC 2865 and RFC 2866. TekRADIUS has two editions: TekRADIUS (First edition; supports Microsoft SQL Server) and TekRADIUS LT (Second edition; supports SQLite). It runs as a Windows Service and comes with a Win32 management interface.

**Major Features**

- Supports features described in RFC 2865 and RFC 2866 (RADIUS protocol).
- Supports TCP (RFC 6613) and TLS (RFC 6614-RadSec) transports.
- Logs system messages, errors and session information to a log file rotated daily.
- Limits number of simultaneous sessions for the users.
- Uses Authentication method as a RADIUS check item.
- RADIUS Dictionary can be edited through TRManager GUI.
- Authentication and Accounting ports are user selectable.
- You can create SQL database and tables through TRManager GUI.
- You can map RADIUS accounting attributes to Accounting table fields.
- TekRADIUS can be run in Authentication only or Authorization only mode.
- You can define which RADIUS attribute will use for User-Name substitute.
- You can define own Authorization query string.
- PAP, CHAP, MS-CHAP v1-v2, EAP-MD5, EAP-TLS, EAP-SIM, EAP-MS-CHAP v2, LEAP, PEAP (PEAPv0-EAP-MS-CHAP v2), EAP-TLS and Digest (draft-sterman-aaa-sip-00.txt) authentication methods are supported.
- TekRADIUS can proxy RADIUS requests to other RADIUS servers.
- TekRADIUS supports IPv6 attributes.
- Generates MS-MPPE Keys for VPN connections.
- Supports OTP (One Time Password) authentication based RFC 2289.
- Built-in DHCP server.
- You can specify an Expire Date and Time Quota for the users.
- You can authenticate users against Windows Domain or Active Directory.
- Command line utility for adding, deleting and editing users and RADIUS clients.
- Simple reporting interface for browsing Accounting records.
- Disconnects users with Packet of Disconnect (Pod) or user defined kill command.
- You can specify how much time user account will be valid after the first logon (Time-Limit) and you can specify allowed logon days and hours (Login-Time).
- Disabling user profile after user configurable number of unsuccessful login attempts.
- You can specify credit limits for daily, weekly or monthly periods.
- You can run and check result of an external executable as a check item.
- Quick and easy installation.

You can use TekRADIUS’ built-in DHCP server to assign IP addresses to your wired or wireless devices on your network. Commercial editions of TekRADIUS provide a unique feature; assignment of static IP addresses to wired/wireless clients authenticated using EAP authentication.
TekRADIUS - Active Sessions

TekRADIUS also supports RFC 2868 - RADIUS Attributes for Tunnel Protocol Support and RFC 3079 - Deriving Keys for use with Microsoft Point-to-Point Encryption (MPPE). You can authenticate and authorize PPTP/L2TP connections using TekRADIUS.

TekRADIUS - RADIUS Dictionary

TekRADIUS provides user level restriction to GUI access. Windows users in "Administrators" group can access to all functions on TekRADIUS Manager GUI but Windows users in built-in "Users" group can access restricted set of functions on TekRADIUS Manager GUI.

Please see TekRADIUS SP Rate Editor Manual for TekRADIUS SP features.

System Requirements

1. A Windows system with 2 GB of RAM.
2. Microsoft .NET Framework 4.6.1 (Min.)
3. 10 MB of disk space.
4. Administrative privileges.

Supported Standards

RFC 2131 Dynamic Host Configuration Protocol
RFC 2246 The TLS Protocol Version 1.0
RFC 2548 Microsoft Vendor-specific RADIUS Attributes
RFC 2617 HTTP Authentication: Basic and Digest Access Authentication
RFC 2865 RADIUS Authentication
RFC 2866 RADIUS Accounting
RFC 2867 RADIUS Accounting Modifications for Tunnel Protocol Support
RFC 2868 RADIUS Attributes for Tunnel Protocol Support
RFC 2869 RADIUS Extensions
RFC 3162 RADIUS and IPv6
RFC 3579 RADIUS (Remote Authentication Dial In User Service) Support for Extensible Authentication Protocol (EAP)
RFC 3580 IEEE 802.1X Remote Authentication Dial In User Service (RADIUS) Usage Guidelines
RFC 4346 The TLS Protocol Version 1.1
RFC 4603 Additional Values for the NAS-Port-Type Attribute
RFC 4818 RADIUS Delegated-IPV6-Prefix Attribute
RFC 5281 EAP-TTLSv0
RFC 5246 The TLS Protocol Version 1.2
RFC 6613 RADIUS over TCP
RFC 6614 Transport Layer Security (TLS) Encryption for RADIUS
RFC 6911 RADIUS Attributes for IPv6 Access Networks
draft-kamath-pppext-eap-mschav2-02.txt Microsoft EAP CHAP Extensions
draft-kamath-pppext-peapv0-00.txt Microsoft PEAP version 0 (As implemented in Windows XP SP1)