Radiator AAA Server Software

Radiator is the leading solution for authentication, authorisation, and accounting (AAA) which allows you to control access to your wired and wireless networks comprehensively and efficiently. Thousands of companies and organisations around the world use Radiator for their AAA needs. Radiator provides RADIUS, Diameter, and TACACS+ AAA interfaces with backends ranging from simple files to a carrier-grade 3GPP Diameter infrastructure.

Features
- Fully featured RADIUS and TACACS+ support
- Acts as a Diameter to RADIUS (and RADIUS to Diameter) gateway for NAS authentication and accounting
- Secure and reliable RADIUS proxying using RadSec
- Supports IPv4, IPv6, UDP, TCP, SCTP
- Easy modification to suit your special requirements: full source code and extension API
- Various scalability options for different use cases
- Designed for assimilation and migration of new user populations from other ISPs during mergers and acquisitions
- Support for standard tools like SNMP to monitor your server
- Extensible with wide range of logging solutions (JSON, syslog, SQL, Elasticsearch, Splunk, etc.)
- Support for 802.1X wireless authentication
- Support for wide range of EAP authentication methods including MD5, One-Time-Password (OTP), Generic Token Card (GTC), LEAP, FAST, TLS, TTLS (including PAP, CHAP, MSCHAPv1 and MSCHAPv2), PEAP and PWD
- Support for wide range 2-factor authentication solution (Duo Security, RSA Token, Google Authenticator, TOTP, etc.)
- Database support: SQL (MySQL, MariaDB, Oracle, PostgreSQL, etc.), LDAP (Active Directory, OpenLDAP, etc.)
- Supports Active Directory integration both in Windows and Linux
- Roaming and proxying support (eduroam, govroam, iPass, etc.)
- Address allocation from SQL, DHCP, etc.
- Complies with RFCs 2548, 2619, 2621, 2865, 2866, 2867, 2868, 2869, 3579, 4669, 4671, 5176, 5997
- Dictionary or other applicable support for RFCs 4372, 4849, 4675, 4849, 5080, 5447, 5580, 5607, 5904, 6158, 6929, 6519, 6572, 6677, 7055, 7268, 8044

Interoperability
- Interoperable with any device that uses RADIUS, TACACS+ or Diameter
- Wide range of vendor-specific extensions
- Certified compatibility with MICROs-Fidelio Opera Property Management System
- Support for other property management systems, such as NEC NEHOPS
- Support for SIP2 interface

Supported Platforms and Minimum System Requirements
- Perl, on Windows ActivePerl from ActiveState or Strawberry Perl
- Memory, CPU and disk space dependent on the use case and configuration. Runs on virtual and non-virtual servers

Services Available
- Flexible licensing options ranging from perpetual licences to transaction-based and flat rate licensing. Licences include the first year access to new releases and patches (renewal annually)
- Email and telephone support
- Remote and onsite installation and consulting
- Training

Additional Modules
Radiator AAA Server Software can be combined with our carrier products:
- Radiator SIM Pack (VoWiFi, SIM Authentication)
- Radiator Telco Pack (PCRF, OCS)
- Radiator GBA/BSF Pack (VoLTE Authentication)