



Radiator Service Provider Pack

Radiator Service Provider Pack is a software bundle for companies that provide connectivity services requiring RADIUS or Diameter server functionality. It includes a network-wide software licence for an unlimited amount of Radiator instances with an optional Radiator Diameter module extension. 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
- Extensible with a 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
- Database support: SQL (MySQL, MariaDB, Oracle, PostgreSQL, etc.), LDAP (Active Directory, OpenLDAP, etc.)
- Support for a wide range 2 factor authentication solution (Duo Security, RSA Token, Google Authenticator, TOTP, etc)
- Designed for assimilation and migration of new user populations from other ISPs during mergers
- Support for monitoring tools e.g. SNMP
- Supports Active Directory integration both in Windows and Linux
- Roaming and proxying support (e.g. eduroam, govroam, OpenRoaming)
- Address allocation from SQL, DHCP, etc.
- Various scalability options for different use cases
- Full source code and extension API
- 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

Complementary Diameter module

- Diameter Network Access Server Application documented in RFC 7155 (base for 3GPP Gz) and RFC 4005
- Diameter authentication and Diameter accounting documented by RFC 7155
- Diameter base protocol (RFC 6733 and RFC 3588)
- Diameter EAP Application documented in RFC 4072
- Diameter Credit-Control Application documented in RFC 4006 and RFC 8506 (base for 3GPP Gx and Gy)
- RADIUS <-> Diameter translation (RFC 6733)
- Equipment Identity Register (EIR) support for 3GPP AAA server custom and ready to use applications

Licensing and expert services

- Flexible licensing options ranging from perpetual licences to subscriber-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 expert services for configuration, integration, deployment, training and feature requests

Supported platforms

- Runs on containers, virtual and physical servers
- Memory, CPU and disk space requirements depend on the use case and configuration.

For supported operating systems, see radiatorsoftware.com/supported-platforms

Additional modules

Radiator Service Provider Pack can be combined with our other ISP products:

- Radiator SIM Pack (VoWiFi, WiFi offload)
- Radiator Policy and Charging Pack (PCRF, OCS)
- Radiator GBA/BSF Pack (mobile services authentication)
- Radiator Core (ISP RADIUS)