



Radiator Service Provider Pack

Data Sheet

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.

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
- 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

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

Complementary Radiator 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 documented in 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 documented by RFC 6733
- Equipment Identity Register (EIR) support for 3GPP AAA server custom and ready to use applications

Additional Modules

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

- Radiator SIM Pack (EAP-SIM, EAP-AKA, EAP-AKA')
- Radiator Policy and Charging Pack (PCRF, OCS)
- Radiator GBA/BSF Pack (VoLTE Authentication)
- Radiator VNF Flex (Management and Orchestration)