



### Please note

This is a preview version of Radiator Policy Server Data Sheet. The functionality of the product is subject to active development and additions.

Data Sheet preview, 18th of September 2024

## Radiator Policy Server

Radiator Policy Server is a next-generation AAA server. Written with Rust, ensuring high performance and security. Up to the latest standards and with great variety of integration options.

It includes fully featured high-performance RADIUS, powerful consumable integration API, extensive logging capability with possibility for custom counters, built-in SQLite and RocksDB database options and support for other backend integrations in SQL and LDAP as well as variety of HTTP-based options. The new monitoring and management interface gives user an intuitive and fast to learn way to monitoring and managing Radiator.

Like Radiator AAA Server, the Radiator Policy Server includes a large dictionary of vendor-specific attributes from over 150 vendors, with possibility to add your own custom dictionaries.

### Features |

- Fully featured RADIUS support
- Secure and reliable RADIUS proxying using RadSec
- Supports IPv4, IPv6, UDP, TCP
- Consumable upstream/downstream REST API
- 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 MD5, OTP, GTC, TLS, TTLS (including PAP, CHAP, MS-CHAP and MS-CHAPv2), PEAP and TEAP
- TLS 1.3 for EAP-TLS, EAP-TTLS and PEAP and TEAP
- Aruba MPSK support
- Cisco iPSK support
- Support HOTP and TOTP, Yubikey tokens, Duo Security, RSA Authentication manager
- Comes with built-in SQLite and RocksDB
- SQL (MySQL, MariaDB, MS SQL Server, PostgreSQL, etc.)
- Address allocation from File, SQL, LDAP, REST
- LDAP (Active Directory, OpenLDAP, etc.)

- Supports Active Directory integration both on Windows and Linux with LDAP
- Supports Microsoft Azure AD authentication with both Device Code Flow and legacy Resource Owner Password Credentials (ROPC)
- Roaming and proxying support (eduroam, OpenRoaming)
- CoA (RFC5176)
- Direct or applicable dictionary support with RFCs 2486, 2548, 2607, 2759, 2809, 2865-2869, 3162, 3447, 3579-3580, 3748, 4137, 4226, 4372, 4603, 4648, 4675, 4679, 4818, 4849, 5080, 5216, 5246, 5247, 5281, 5904, 5997, 5998, 6158, 6238, 6519, 6572, 6613, 6614, 6911, 6929, 6930, 7055, 7056, 7170, 7268, 7585, 7930, 8044, 8559, 9190, 9427

### User interface |

- Dashboard for monitoring
- Tools for user and client management.
- Real-time statistics with custom counters
- Detailed log row JSON explorer
- Please see Radiator Policy Server brochure for reference pictures

### API and other extension support |

- Upstream and downstream consumable REST API for configuration and management, monitoring and logging
- Built-in web-based REST API browser for exploration and testing
- REST API consumable downstream, eg. Azure AD application
- Lua scripting support without compromising performance
- Integrates with Microsoft Azure AD both Device Code Flow and ROPC, and Microsoft Graph API
- Integrates with Google Workspace APIs
- Debugging and packet capture creation

### Dictionary |

Radiator supports various RADIUS attributes:

- Standard
- Vendor-specific from over 150 vendors
- Your custom RADIUS attributes and dictionaries are easy to add

Dictionary already contains VSAs from over 150 vendors, e.g.:

- Cisco, HP, Nokia and Alcatel, Microsoft, Extreme, Juniper, Adtran, Huawei, F5, Siemens, 3GPP, FortiNet, Aruba, Mikrotik, Palo Alto Networks, Ruckus, Ericsson, Motorola

