Technical Reference Docs

eduroam Technical Specification

eduroam Deployment Guide [1]

Advanced Deployments / pre-release Tech Spec Components [2]

eduroam(UK) Technical Specification v1.5 [3]

Previous eduroam(UK) Technical Specification [4]

Technical Specification Appendices [5]

Technical Specification Checklists [6]

Clarification of eduroam(UK) Policy and Tech Spec Wording - Visitor Activity Logging [7]

Technical Configuration Guides

Aruba ClearPass

Aruba ClearPass Configuration for eduroam [8]

Cisco ISE

Cisco ISE/ACS Configuration for eduroam [9]

FreeRADIUS

FreeRADIUS Guides [10]

Microsoft NPS

Microsoft NPS Configuration Guide [11]

MS IAS and NPS Operator-Name RADIUS attribute issue [12]

Microsoft NPS - Improving reliability of as an authentication provider for eduroam [13]

Microsoft NPS 2008R2 config to avoid bad usernames flooding NRPS [14]

RADIUS attribute filtering with Microsoft IAS and NPS [15]

Technical Guides about certificates, TLS v1.2 and Radsec

Certificates in eduroam [17]

TLS 1.2 and updated RADIUS requirements [18]

Requesting an eduPKI certificate for RadSec [19]

Modern Android Certificate and Security Changes [20]

Technical Guides for your service

RFC 7593 - eduroam Architecture for Network Roaming [21]

WPA3, Wi-Fi 6E and eduroam [22]

Content for your eduroam service information web page guide [23]

Deploying Govroam alongside eduroam [24]

eduroam Security Measures [25]

Configuring an eduroam heartbeat for your visitor network [26]

Blocking non-realm usernames on your eduroam SSID [27]

Advisory: Injection of Operator Name at the NRPS [28]

eduroam CAT (Configuration Assistance Tool) [29]

ORPS role designation features on eduroam(UK) Support Server [30]

Filtering of Invalid Realms on eduroam [31]

Chargeable User Identity for eduroam: with FreeRADIUS implementation guide [32]

Troubleshooting your service

Troubleshooting flowcharts for eduroam administrators [21]

Dealing with complaints about visiting eduroam users [33]

Issues arising from use of multiple BBSIDs on wireless APs [34]

Supplicants (for reference only)

802.1X supplicant configuration for Windows XP [36]

Case studies

Case Study - Complying with the Technical Specification [37]

Automated 802.1X set-up for eduroam users at Bristol University using XpressConnect [38]

FreeRADIUS 2 eduroam Deployment - University of Sussex [39]

Source URL: https://community.jisc.ac.uk/library/janet-services-documentation/technical-reference-docs

Links

- [1] https://community.jisc.ac.uk/library/janet-services-documentation/eduroam-deployment-guide
- [2] https://community.jisc.ac.uk/library/janet-services-documentation/advanced-eduroam-service-engineering-components-pre
- [3] https://community.jisc.ac.uk/library/network-and-technology-service-docs/eduroamuk-technical-specification-15
- [4] https://community.iisc.ac.uk/library/janet-services-documentation/eduroamuk-technical-specification
- [5] https://community.jisc.ac.uk/library/janet-services-documentation/eduroamuk-technical-specification-appendices
- [6] https://community.jisc.ac.uk/library/network-and-technology-service-docs/technical-specification-requirements-checklists
- [7] https://community.jisc.ac.uk/library/janet-services-documentation/clarification-eduroamuk-policy-and-tech-spec-wording-visitor
- [8] https://community.jisc.ac.uk/library/network-and-technology-service-docs/aruba-clearpass-configuration-eduroam
- [9] https://community.jisc.ac.uk/library/janet-services-documentation/cisco-acsise-configuration-eduroam
- [10] https://community.jisc.ac.uk/library/network-and-technology-service-docs/freeradius-guides
- [11] https://community.jisc.ac.uk/library/janet-services-documentation/microsoft-nps-configuration-guide
- [12] https://community.jisc.ac.uk/library/janet-services-documentation/ms-ias-and-nps-operator-name-radius-attribute-issue
- [13] https://community.jisc.ac.uk/library/network-and-technology-service-docs/microsoft-nps-improving-reliability-authentication
- [14] https://community.jisc.ac.uk/library/janet-services-documentation/microsoft-nps-2008r2-config-avoid-bad-usernames-flooding-nrps
- [15] https://community.jisc.ac.uk/library/janet-services-documentation/radius-attribute-filtering-microsoft-ias-and-nps
- [16] https://community.jisc.ac.uk/library/janet-services-documentation/using-certificates-issued-janet-certificate-service-ms-ias
- [17] https://community.jisc.ac.uk/library/network-and-technology-service-docs/certificates-eduroam
- [18] https://community.jisc.ac.uk/library/network-and-technology-service-docs/tls-12-and-updated-radius-requirements
- [19] https://community.jisc.ac.uk/library/network-and-technology-service-docs/requesting-edupkicertificate-radsec
- [20] https://community.jisc.ac.uk/library/network-and-technology-service-docs/android-certificate-and-security-changes-upto-v13
- [21] https://community.jisc.ac.uk/library/janet-services-documentation/troubleshooting-flowcharts-eduroam-administrators
- [22] https://community.iisc.ac.uk/library/network-and-technology-service-docs/wpa3-wi-fi-6e-and-eduroam
- [23] https://community.jisc.ac.uk/library/janet-services-documentation/content-eduroam-service-infomation-

web-page-guide

- [24] https://community.jisc.ac.uk/library/network-and-technology-service-docs/deploying-govroam-alongside-eduroam
- [25] https://community.jisc.ac.uk/library/network-and-technology-service-documentation/eduroam-security-measures
- [26] https://community.jisc.ac.uk/library/network-and-technology-service-docs/configuring-eduroam-heartbeat-your-visitor-network
- [27] https://community.jisc.ac.uk/library/network-and-technology-service-docs/blocking-non-realm-usernames-your-eduroam-ssid
- [28] https://community.jisc.ac.uk/library/network-and-technology-service-docs/advisory-injection-operator-name-attribute-nrpss
- [29] https://community.jisc.ac.uk/library/janet-services-documentation/eduroam-cat-configuration-assistance-tool
- [30] https://community.jisc.ac.uk/library/janet-services-documentation/orps-role-designation-features-eduroamuk-support-server
- [31] https://community.jisc.ac.uk/library/janet-services-documentation/filtering-invalid-realms
- [32] https://community.jisc.ac.uk/library/janet-services-documentation/chargeable-user-identity-eduroam-freeradius-implementation
- [33] https://community.jisc.ac.uk/library/janet-services-documentation/dealing-complaints-about-visiting-eduroam-users
- [34] https://community.jisc.ac.uk/library/janet-services-documentation/issues-arising-use-multiple-bbsids-wireless-aps
- [35] https://community.jisc.ac.uk/library/janet-services-documentation/comparison-supplicants
- [36] https://community.jisc.ac.uk/library/janet-services-documentation/8021x-supplicant-configuration-windows-xp
- [37] https://community.jisc.ac.uk/library/janet-services-documentation/case-study-complying-technical-specification
- [38] https://community.jisc.ac.uk/library/janet-services-documentation/automated-8021x-set-eduroam-users-bristol-university-using
- [39] https://community.jisc.ac.uk/library/janet-services-documentation/freeradius-2-eduroam-deployment-univ-sussex