

eduroam+-

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# *eduroam*

- AAI built and managed by/for network administrators

# eduroam – RADIUS hierarchy

- trust fabric
- routing infrastructure
- transport for AA

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- trust fabric
  - transitive trust
- routing infrastructure
  - error prone (too many nodes, no rules)
  - routing by [external] naming
- transport for AA
  - not reliable (UDP)
  - not secure => EAP

# eduroamNG 0.x

- trust fabric
- ~~routing infrastructure~~
- transport for AA

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- trust fabric
- ~~routing infrastructure~~
  - WAYF (DNSsec, LDAP, MDS...)
- transport for AA

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- ~~trust fabric~~
- ~~routing infrastructure~~
  - WAYF (DNSsec, LDAP, MDS...)
- transport for AA

# eduroamNG 0.x

- ~~trust fabric~~
  - PKI (DNSsec, X.509...)
- ~~routing infrastructure~~
  - WAYF (DNSsec, LDAP, MDS...)
- transport for AA

# eduroamNG 0.x

- ~~trust fabric~~
  - PKI (DNSsec, X.509...)
- ~~routing infrastructure~~
  - WAYF (DNSsec, LDAP, MDS...)
- transport for AA
  - \*sec (IPsec, RadSec...)

# eduroamNG 1.x – SAML Back-end

- trust fabric
  - eduGAIN
- routing infrastructure
  - modified WAYF
- transport for AA
  - HTTP/SAML
  - **attributes**

# *eduroamNG 1.x* – PKI Back-end

- trust fabric
  - PKI
- routing infrastructure
- transport for AA

# *eduroamNG 1.x* – PKI Back-end

- trust fabric
  - PKI
- routing infrastructure
- transport for AA
  - **not needed**

# eduroamNG 1.x – PKI Back-end

- trust fabric
  - PKI
- routing infrastructure
  - **not needed**
- transport for AA
  - **not needed**

## *eduroamNG 1.x* – PKI Back-end

- move AA from resource administrators to AA administrators
- web authentication possible (again)
  - no secret credentials traveling on the wire(less)
- integration with other AAs

?

