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What is eduroam?

• Wireless roaming service for higher education
• From local campus to locations across the globe
• Based on 802.1X standard and a hierarchy of RADIUS proxy servers
eduroam @ TRID WG Meeting?

Sign-in once
Authentication/Authorisation
Authentication Server (IdP) @Home Organisation
RADIUS EAP

Access wherever you are
Network Access
Authenticator (SP) @Current Position
Acess Point Ethernet Switch
eduroam.ch | Website

• Web application providing users with eduroam profiles using their edu-ID accounts
• Device-specific profiles using eduroam CAT tool
• Secure technology: X.509 user certificates, not username/password
eduroam.ch | Authentication & Authorisation

• Regular process: Supplicant > Authenticator > RADIUS

• RADIUS server
  – Checks for an edu-ID account (Authentication)
  – Gets current affiliation from the edu-ID IdP (Authorisation)

• Access decision ultimately granted by the Authenticator
• End-User Support
• Monitoring and metrics

• VLAN Assignment (Guest network) on road map
  – Server side: RADIUS server sends VLAN group along
  – Client side: Authenticator gets the edu-ID attributes needed for VLAN group decision
eduroam.ch | Current Status & Outlook

• Running as a pilot, somewhat limited feedback

• Survey among heads of IT about interest in the service

• Let your boss know if you see potential for eduroam.ch at your organisation
Thanks! Questions?