NEA and Federated 802.1x

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Summary

• Goals
  – briefly explain Eduroam and FWNA
  – explain how it *may* relate to NEA

• Non-Goals
  – change the scope or direction of NEA
Identity Provider

Network Provider

Eduroam infrastructure

example.com

AAA

AP
Eduroam infrastructure

Network Provider

AAA

AP

Identity Provider

AAA

user@example.com

example.com

user@example.com
Identity Provider

Network Provider

EAP

AAA

example.com

Eduroam infrastructure

user@example.com
How does this relate to NEA?
Possible problem...

- *If NEA runs over EAP then*...
  - The Posture Transport Server is no longer controlled by the entity running the network...
  - Hence the identity Posture Transport Server would need to be able to communicate postures to the Posture Broker Server => NEA scope violation?
Related work?

- Attributes in a federated environment:
  - http://dame.inf.um.es/htmldocs/design_alternatives.htm
  - https://wiki.internet2.edu/confluence/display/FWNAWG/Radius+Profile+of+SAML+(Draft)
What do we want from the WG?

- Don't break federated 802.1x!