# Capability in RADIUS

RADEXT - IETF 85

# History

- Long discussions about capability in RADEXT

- No real consensus, other than no consensus

- This draft proposes something simpler than previous discussions

- RADIUS has grown since those discussions

- capability is becoming more interesting

# Diameter

- RADIUS people don't use it.

- Having capability negotiation in RADIUS is useful

# Things to negotiate

- Can you do CoA?

- Can you do packets longer than 4K?

- Can you do extensions?

- Can you do X?

# Representation

- Capability-Request packet

  - I can do X

- Capability-Response packet

  - ACK we can do X

  - Silent: we can't do X

- These packets are link-local

- are NEVER proxied

# Capability-Add

- 32-bit integer / enumerated value

- specifies a well-defined capability

- NOT "does RFC X"

- Instead more "does RFC X section 3.2.1"

# Capability-Withdraw

- 32-bit integer / enumerate value

- Counterpart to Capability-Add

- Allows NAS to notify server that the capability no longer exists

# Discussion?

- This doc comes from existing customer needs