Capability in RADIUS

RADEXT - IETF 85
History

- Long discussions about capability in RADEX
- 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