

# YAAP

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# Why a new protocol?

- ❑ TACACS+ perceived as proprietary
- ❑ RADIUS popular, but flawed

## Why not just extend RADIUS?

- ❑ Flaws are fundamental
- ❑ Probably end up with a new protocol anyway

# The trouble with RADIUS

- ❑ Multi-protocol support weak
- ❑ Attribute space too small
- ❑ No support for complex user services
- ❑ Authorization weak
- ❑ Authentication and authorization combined
- ❑ Accounting weak
- ❑ No resource management
- ❑ Client-server model

# Next Generation Requirements

- ❑ Separate authentication, authorization and accounting
- ❑ Support NAS resource management
- ❑ Simplicity
- ❑ Security
- ❑ Lightweight

# Next Generation Requirements (continued)

- ☐ Reliability
- ☐ Support for all levels of authentication
- ☐ “Suggestions”
- ☐ Easily proxiabile
- ☐ Support dial-up roaming
- ☐ Multiple server support

# Next Generation Requirements (continued)

- ❑ Multiple message conversations
- ❑ Multiple authentication methods
- ❑ Transport independence
- ❑ Large attribute space
- ❑ Separate protocol and payload specifications

# Next Generation Requirements (continued)

- ❑ Pre-defined or self-defining attribute identifiers
- ❑ Uniform attribute format
- ❑ Peer-to-peer protocol
- ❑ Take design direction from the user community!