Topics

• Overview
• Discussion, next steps
Implementation model

User space

API

GRASP kernel

ASA 1

ASA 2

ASA 3

ASA 4

Extended function library

Function library

Unicast sockets

Internal Functions

Discovery logic

Discovery multicast handler

Caches: (Discovery, Objectives, Flooded objectives, Sessions)

Flood multicast handler

Multicast sockets
Important data structures

- **objective**
  - .name
  - .syn *or* .neg
  - .loop_count
  - .value  # any structure you want

- **ASA_locator**
  - .locator  # normally IPv6 address
  - .protocol # IPPROTO_TCP or IPPROTO_UDP
  - .port
  - .etc
Simplified summary of calls (1)

- `register_asa(asa_name)`
- `register_objective(objective)`
- `discover(objective)`
Simplified summary of calls (2)

- request_negotiate(objective, peer)
- listen_negotiate(objective)
- negotiate_step(objective)
- negotiate_wait(timeout)
- end_negotiate(result, reason)
Simplified summary of calls (3)

- synchronize(objective, peer)
- listen_synchronize(objective)
- flood(objectives)
Discussion + next steps

• Comments? Questions?
• Should the WG take up this topic?