



ASA Deep Dive



Transparent Firewall



Bridging VLANS using Transparent ASA

- ▶ ASA supports two modes – Routed or Transparent.
- ▶ Default ASA mode is Routed.
- ▶ ASA can work like a switch, however, with firewall capabilities.
- ▶ To bridge two VLANS, ASA must be a part of the same subnet.
- ▶ The biggest advantage is that you can insert a transparent firewall into a network without making any IP address changes on the other devices.
- ▶ Acts like a bump in the wire.
- ▶ Some disadvantages:
 - Supports VPN only for device management and does not support remote access or site-to-site VPN.
 - Does not support QOS.
 - Does not support IPv6.
 - Does not support routing protocols.

Bridging VLANS using Transparent ASA

▷ Changing Modes from Routed to Transparent.

- Firewall transparent

▷ Bridging two VLANS:

- Interface BVI 1
 - ip address must be defined.
- Interface G0/0
 - Bridge-group 1
- Interface G0/1
 - Bridge-group 1