

What mode should be used to connect the core switch to the firewall

Firstly gi1/1 on the core is not tagged because it is an access port. If you are just trying this for vlan 2026 then the firewall port should be L3 with an IP assigned. If gi1/1 was a trunk link then ...

Theoretically, you can put a single switch port on a VLAN and successfully use Failover, but a simpler setup is to use physical firewall interfaces instead. You can only use a firewall interface ...

The types of firewall interfaces you can configure depends on the firewall mode set for the device: routed or transparent mode. See Transparent or Routed Firewall Mode for more information.

If you have a single firewall, but a fully redundant core, it makes more sense for the core to be the client gateway so that in the event of the single firewall failing, internal routing isn't impacted.

I have a 3750X four-switch stack acting as the core of a fairly simple LAN. All I need to achieve (and this seems inordinately hard, but it is entirely likely that I'm just being dense) is to get ...

On a switch, you put the switch port in trunk mode and optionally define which specific VLANs may cross the trunk. A firewall is usually modeled as a router which doesn't use switch ports.

Your core does not need to have an IP if it's connected over L2 and your firewall is doing the routing. You would set a dedicated management IP for the switch so you can access it.

In Diagram B ideally you'd configure the ASA's to be members of a port-channel, traffic would then go directly from Core 1 to FW-A or from Core 2 to FW-A. Diagram B is the better design.

Regarding the configuration of the connection between the Core and the Firewall: VRFs will require logical transit, and you can use transit VLANs for it. It will be one transit VLAN for each VRF.

Configuration of Firewall on Cisco Switch: Step 1: Open the Cisco Packet Tracer desktop application and select PC, Server, and Switch as devices. Then create a network topology. Use auto ...

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