



Cisco LACP Configuration

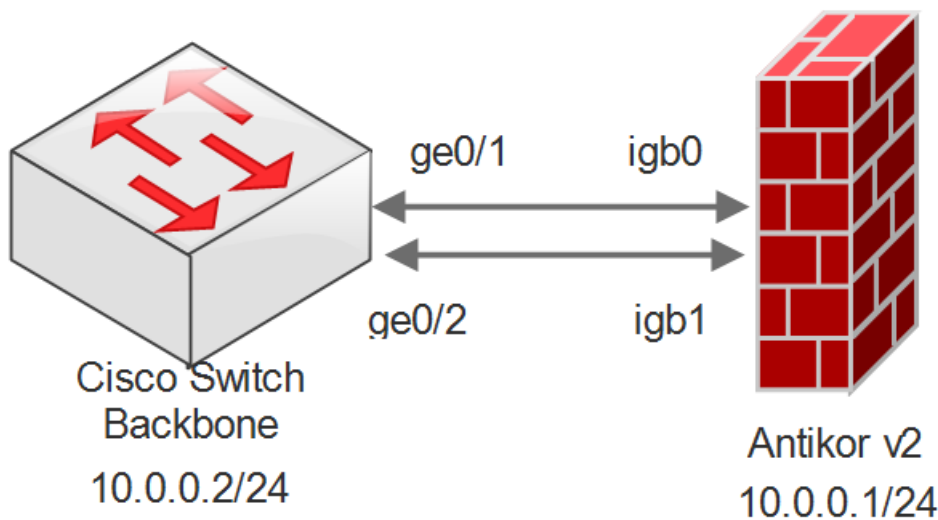
Product: Antikor v2 - Next Generation Firewall
Configuration Examples

Cisco LACP Configuration

Summary

For Antikor lan line, 2 piece 1Gbit/sn load-balanced and will serve as a backup. 3Com switch is working as a backbone. **Link Aggregation Control Protocol (LACP)** :It is a protocol that enables simultaneous operation of multiple uplinks to provide higher bandwidth and redundant connection between two switches.

Network Topology



Configuration

The ethernet ports to be merged into the Member Ethernet area are entered.

Virtual Ethernet - Aggregation - New Record ×

Name	It will be automatically generated
Member Ethernet	igb1 × igb3 ×
Virtual Ethernet Type	Link Aggregation - LACP ▼
Description	For LAN

Virtual Ethernet - Aggregation

Reload

Add

XLS

CSV

PDF

Filter

Clear

#	Name	Virtual Ethernet Type	Member Ethernet	Description	Transactions
1	Virtual	Link Aggregation - LACP	<div> <div>lgb1</div> <div>lgb3</div> </div>	For LAN	<div> <div>Edit</div> <div>Delete</div> </div>

<<

<

1

>

>>

```
Switch#show running-config
Building configuration...

interface GigabitEthernet0/1
 channel-group 1 mode active
 switchport mode trunk
!
interface GigabitEthernet0/2
 channel-group 1 mode active
 switchport mode trunk
!
interface Port-channel 1
 switchport mode trunk
!
end
```

Testing

To check LACP settings on the Cisco Switch side the used command “show etherchannel summary”

```
Switch#show etherchannel summary
Flags:  D - down          P - in port-channel
        I - stand-alone  s - suspended
        H - Hot-standby (LACP only)
        R - Layer3       S - Layer2
        U - in use       f - failed to allocate aggregator
        u - unsuitable for bundling
        w - waiting to be aggregated
        d - default port

Number of channel-groups in use: 1
Number of aggregators:          1

Group  Port-channel  Protocol    Ports
-----+-----+-----+-----
1      Po1 (SD)          LACP       Gig0/1 (D) Gig0/2 (D)
```

In the above print, **Gig0 / 1 (D)** and **Gig0 / 2 (D)** ports need to be seen among the member ports.

For Antikor v2 LACP settings [Antikor v2 LACP Configuration](#) follow the documents.

From Cisco Switch to Antikor v2 sending ping;

```
Switch#ping 10.0.0.1

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 10.0.0.1, timeout is 2 seconds:
!!!!
Success rate is 5 percent (5/5)
```

For Antikor v2 LACP settings [Antikor v2 LACP Configuration](#) follow the documents.

Troubleshooting

Executing Command	Error Message	Solution Proposal
ping 10.0.0.1	Success rate is 0 percent (0/5)	show interfaces Gi0/1 with command the port make sure active.
		The port make sure it is not shutdown.
		On the Antikor v2 make sure apply settings.

ePati Cyber Security Technologies Inc.
Mersin Universitesi Ciftlikkoy Kampusu
Teknopark Idari Binasi Kat: 4 No: 411
Zip Code: 33343 Yenisehir / MERSIN / TURKIYE

 www.epati.com.tr
 info@epati.com.tr
 +90 324 361 02 33
 +90 324 361 02 39

