



## Cisco LACP Configuration

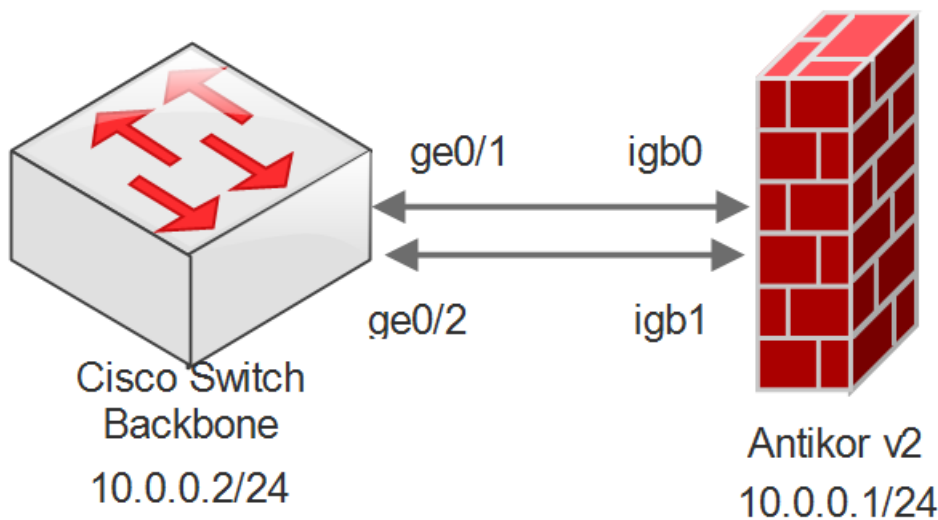
Product: Antikor v2 - Next Generation Firewall  
Configuration Examples

# 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

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#	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>

<<

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1

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>>

```
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.

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