ICOS VPC Configuration Example

ICOS VPC Configuration Example

Table of Contents

List of Figures

Chapter 1. VPC topology

This scenario uses the advantage of 8 10G SFP+ ports of Aurora 220 to create a high-bandwidth redundant connection between servers.

Figure 1.1. VPC Topology Example
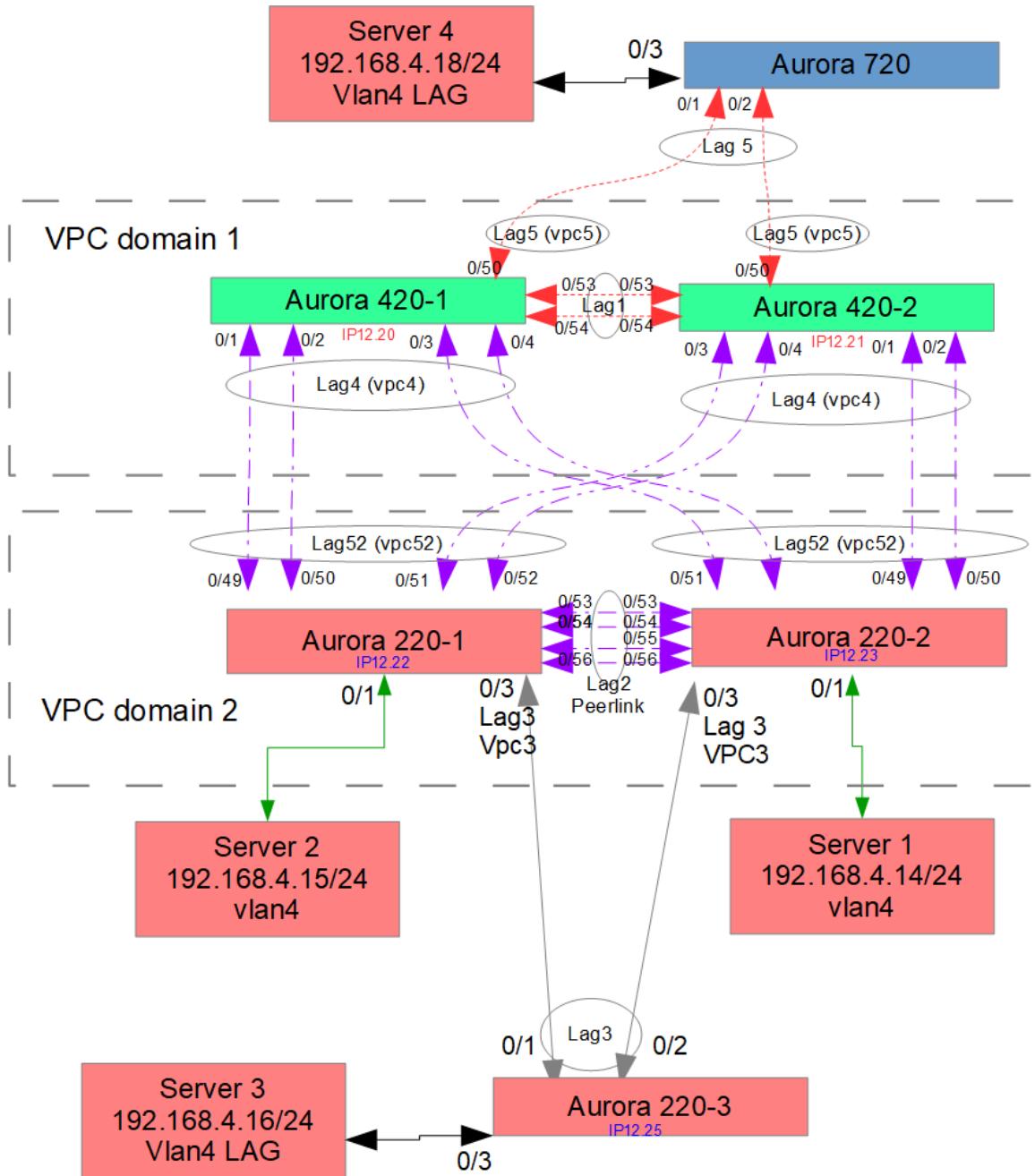
1.1. For Aurora 420-1 and Aurora 420-2

1.1.1. Configure VLAN and VPC domains in ICOS

```
vlan database
vlan 4
exit
configure
feature vpc
vpc domain 1
peer-keepalive enable
peer detection enable
exit
```

1.1.2. Configure interfaces in ICOS

Create LAGs

```
interface 0/1-0/4
addport lag 4
interface 0/50
addport lag 5
interface 0/53-0/54
addport lag 1
```

Adjust LAG settings

```
interface lag 1
no port-channel static
switchport mode trunk
vpc peer-link
```

```
interface lag 4
no port-channel static
switchport mode trunk
vpc 4
```

```
interface lag 5
no port-channel static
vlan participation include 4
vlan pvid 4
vpc 5
```

1.2. For Aurora 220-1 and Aurora 220-2

1.2.1. Configure VLAN and VPC domains in ICOS

```
vlan database
vlan 4
exit
configure
feature vpc
vpc domain 2
peer-keepalive enable
peer detection enable
exit
```

1.2.2. Configure interfaces in ICOS

Create LAGs

```
interface 0/1
vlan participation include 4
vlan pvid 4
interface 0/3
addport lag 3
interface 0/49-0/52
addport lag 52
interface 0/53-0/56
addport lag 2
```

Adjust LAG settings

```
interface lag 2
no port-channel static
switchport mode trunk
vpc peer-link
```

```
interface lag 3
no port-channel static
vlan participation include 4
vlan pvid 4
vpc 3
```

```
interface lag 52
no port-channel static
switchport mode trunk
vpc 52
```

1.3. For Aurora 220-3

1.3.1. Configure VLAN in ICOS

```
vlan database
vlan 4
```

1.3.2. Configure interfaces in ICOS

```
interface 0/1
addport lag 3
interface 0/2
addport lag 3
interface 0/3
vlan participation include 4
vlan tagging 4
```

```
interface lag 3
no port-channel static
vlan participation include 4
vlan tagging 4
```

1.4. For Aurora 720

1.4.1. Configure VLAN in ICOS

```
vlan database
vlan 4
```

1.4.2. Configure interfaces in ICOS

```
interface 0/1
addport lag 5
interface 0/2
addport lag 5
interface 0/3
vlan participation include 4
vlan tagging 4
```

```
interface lag 5
no port-channel static
vlan participation include 4
vlan tagging 4
```