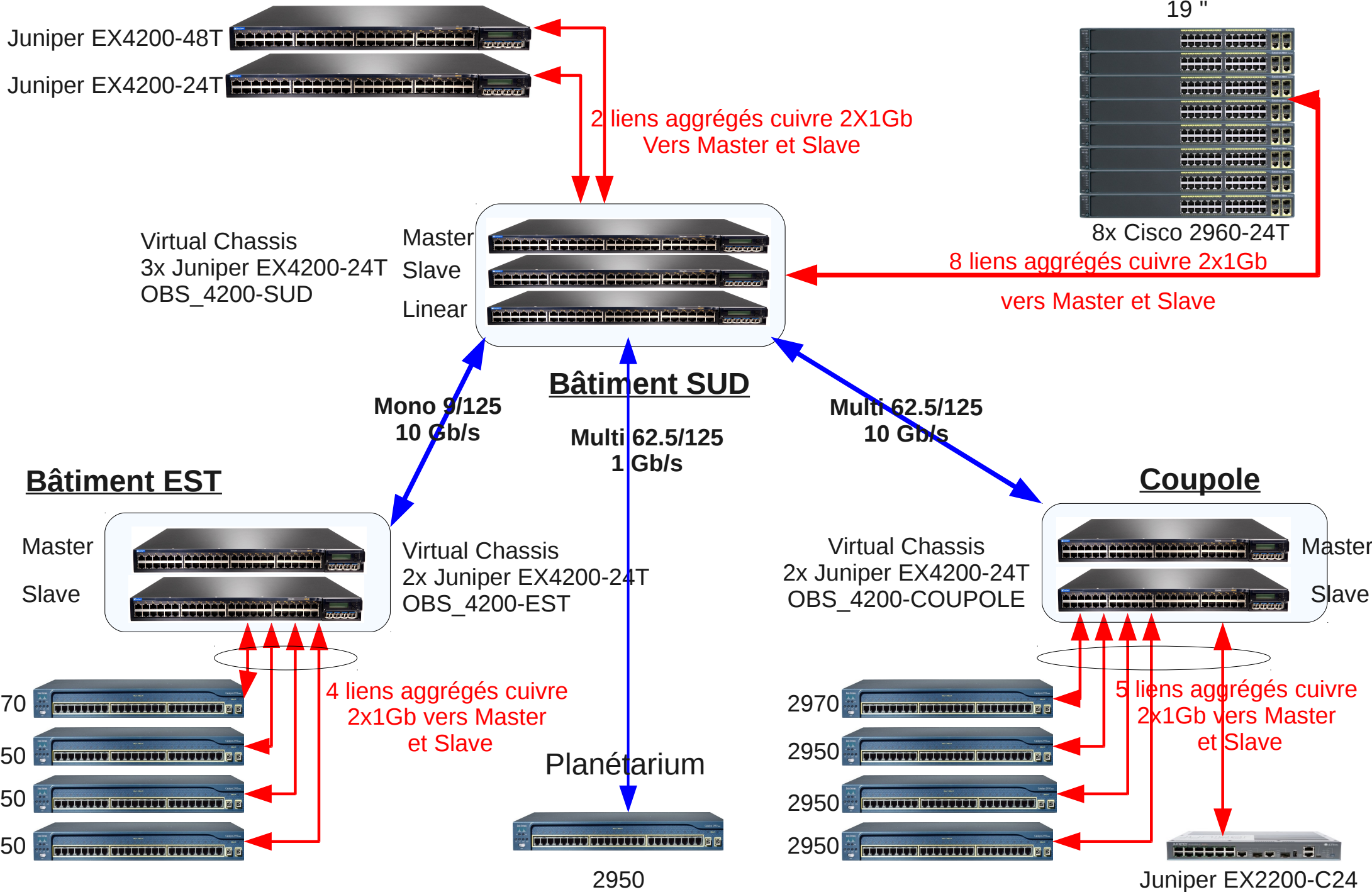


Réseau Observatoire Astronomique de Strasbourg



Configuration agrégats 802.3ad JUNIPER - CISCO

Juniper

```
Interfaces {
ae1 {
  description "Uplink vers S04-B1 Cisco 2960 Baie 1";
  traceoptions {
    flag all;
  }
  aggregated-ether-options {
    link-speed 1g;
    lacp {
      passive;
    }
  }
}
unit 0 {
  family ethernet-switching {
    port-mode trunk;
    vlan {
      members [ RECHERCHE SauvegardeCDS ];
    }
    native-vlan-id default;
  }
}
ge-0/0/1 {
  ether-options {
    802.3ad ae1;
  }
}
ge-1/0/1 {
  ether-options {
    802.3ad ae1;
  }
}
```

Juniper

```
protocols {
  rstp {
    disable;
  }
  vstp {
    vlan all;
  }p
}
chassis {
  aggregated-devices {
    ethernet {
      device-count 10;
    }
  }
}
virtual-chassis {
  member 0 {
    mastership-priority 255;
  }
  member 1 {
    mastership-priority 220;
  }
  member 3 {
    mastership-priority 128;
  }
}
```

Configuration agrégats 802.3ad CISCO -JUNIPER

Cisco

```
interface Port-channel1  
  switchport mode trunk  
  switchport nonegotiate
```

```
interface GigabitEthernet0/23  
  description Lien aggrege 1B vers  
  OBS4200SUD port ge-1/0/1  
  switchport mode trunk  
  switchport nonegotiate  
  channel-protocol lacp  
  channel-group 1 mode active
```

!

```
interface GigabitEthernet0/24  
  description Lien aggrege 1A vers  
  OBS4200SUD port ge-0/0/1  
  switchport mode trunk  
  switchport nonegotiate  
  channel-protocol lacp  
  channel-group 1 mode active
```

!

Configuration agrégats 802.3ad CISCO - Serveur

Cisco

```
interface Port-channel2
switchport access vlan 128
switchport mode access
switchport nonegotiate

interface GigabitEthernet0/14
switchport mode access
switchport access vlan 128
switchport nonegotiate
channel-protocol lacp
channel-group 2 mode active
!
interface GigabitEthernet0/15
switchport mode access
Switchport acces vlan 128
switchport nonegotiate
channel-protocol lacp
channel-group 2 mode active
!
```

Serveur

```
cat interfaces

#The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
#auto eth0
#iface eth0 inet static
auto bond0
iface bond0 inet static
    address X.X.X.X
    netmask X.X.X.X
    network X.X.X.X
    broadcast X.X.X.X
    gateway X.X.X.X
    bond-slaves eth0 eth1
bond_mode 4
bond_miimon 100
bond_lacp_rate 1
```

Configuration agrégats 802.3ad JUNIPER - Serveur

Juniper

```
Interfaces {
  ae2 {
    traceoptions {
      flag all;
    }
    aggregated-ether-options {
      lacp {
        active;
      }
    }
    unit 0 {
      family ethernet-switching {
        port-mode access;
        vlan {
          members RECHERCHE;
        }
        native-vlan-id default;
      }
    }
  }
  ge-0/0/2 {
    ether-options {
      802.3ad ae2;
    }
  }
  ge-1/0/2 {
    ether-options {
      802.3ad ae2;
    }
  }
}
```

Serveur

```
cat interfaces

#The loopback network interface
auto lo
iface lo inet loopback

# The primary network interface
#auto eth0
#iface eth0 inet static
auto bond0
iface bond0 inet static
    address X.X.X.X
    netmask X.X.X.X
    network X.X.X.X
    broadcast X.X.X.X
    gateway X.X.X.X
    bond-slaves eth0 eth1
bond_mode 4
bond_miimon 100
bond_lacp_rate 1
```

Configuration agrégats 802.3ad Serveur

Serveur

```
cat /proc/net/bonding/bond0
```

Ethernet Channel Bonding Driver: v3.7.1 (April 27, 2011)

Bonding Mode: IEEE 802.3ad Dynamic link aggregation

Transmit Hash Policy: layer2 (0)

MII Status: up

MII Polling Interval (ms): 100

Up Delay (ms): 0

Down Delay (ms): 0

802.3ad info

LACP rate: fast

Aggregator selection policy (ad_select): stable

Active Aggregator Info:

Aggregator ID: 1

Number of ports: 2

Actor Key: 17

Partner Key: 2

Partner Mac Address: 04:fe:7f:6f:02:80

Serveur

Slave Interface: eth0

MII Status: up

Speed: 1000 Mbps

Duplex: full

Link Failure Count: 0

Permanent HW addr: 44:1e:a1:3a:f1:c4

Aggregator ID: 1

Slave queue ID: 0

Slave Interface: eth1

MII Status: up

Speed: 1000 Mbps

Duplex: full

Link Failure Count: 0

Permanent HW addr: 44:1e:a1:3a:f1:c6

Aggregator ID: 1

Slave queue ID: 0