SHRIMP CO.

sea-a1-asw1
AristacEOS
172.20.20.2

Eth1   Eth2   Eth3

Eth1

Eth1

Eth1

Bob

Linda

Alice

Chapter 1 | Lab 2 - Trunks

SHRIMP CO.

sea-a1-asw1
cEOS
172.20.20.3 | 10.1.99.10

sea-b1-asw1
cEOS
172.20.20.4 | 10.1.99.20

Trunk allowed
VLAN 10,20,99

VLAN 99 SVI | 10.1.99.10/24

VLAN 99 SVI | 10.1.99.20/24

Eth3

Eth3

Eth1

Eth2

Eth1

Eth2

Eth1

Eth1

Eth1

Eth1

Access VLAN 10

Access VLAN 20

Access VLAN 99

Access VLAN 10

Bob

Alice

Steve

Linda

SHRIMP CO.

sea-mdf-r1
Cisco IOL
172.20.20.7 | 10.1.99.1

Eth1/1.10 | 10.1.10.1/24
Eth1/1.20 | 10.1.20.1/24
Eth1/1.99 | 10.1.99.1/24

Eth0/1

Eth14

sea-a1-asw1
Arista cEOS
172.20.20.5 | 10.1.99.10

Trunk allowed
VLAN 10,20,99

sea-b1-asw1
Arista cEOS
172.20.20.6 | 10.1.99.20

VLAN 99 SVI | 10.1.99.10/24

Eth3

Eth3

VLAN 99 SVI | 10.1.99.20/24

Eth1

Eth2

Eth1

Eth2

Eth1

Access VLAN 10

Eth1

Access VLAN 20

Eth1

Access VLAN 99

Eth1

Access VLAN 10

Bob

Alice

Steve

Linda

Chapter 1 | Lab 4 - L2/L3 Redundancy

SHRIMP CO.

sea-mdf-r1
Cisco IOL
172.20.20.10 | 10.1.99.2

sea-mdf-r2
Cisco IOL
172.20.20.11 | 10.1.99.3

Eth0/1.10 | 10.1.10.2/24
Eth0/1.20 | 10.1.20.2/24
Eth0/1.99 | 10.1.99.2/24

Eth0/1.10 | 10.1.10.3/24
Eth0/1.20 | 10.1.20.3/24
Eth0/1.99 | 10.1.99.3/24

Eth0/1

Eth0/1

HSRP

VLAN 10 VIP → 10.1.10.1/24
VLAN 20 VIP → 10.1.20.1/24
VLAN 99 VIP → 10.1.99.1/24

Eth5

Eth5

Trunk allowed
VLAN 10,20,99

sea-a1-asw1
Arista cEOS
172.20.20.8 | 10.1.99.10

sea-b1-asw1
Arista cEOS
172.20.20.9 | 10.1.99.20

VLAN 99 SVI | 10.1.99.10/24

VLAN 99 SVI | 10.1.99.20/24

Eth4

Eth4

Po1

Eth3

Eth3

Eth1

Eth2

Eth1

Eth2

Eth1

Access VLAN 10

Eth1

Access VLAN 20

Eth1

Access VLAN 99

Eth1

Access VLAN 10

Bob

Alice

Steve

Linda

SHRIMP CO.

Google
8.8.8.8

ISP 100

sea-mdf-r1
Cisco IOL
172.20.20.14 | 10.1.99.1

sea-mdf-r2
Cisco IOL
172.20.20.15 | 10.1.99.2

Eth0/2

Eth0/2

Eth1/1.10 | 10.1.10.1/24
Eth1/1.20 | 10.1.20.1/24
Eth1/1.99 | *10.1.99.1/24*

VRRP

Eth1/1.10 | 10.1.10.2/24
Eth1/1.20 | 10.1.20.2/24
Eth1/1.99 | *10.1.99.2/24*

Eth0/1

Eth0/1

Eth5

Eth5

Trunk allowed
VLAN 10,20,99

sea-a1-asw1
Arista cEOS
172.20.20.12 | 10.1.99.10

sea-b1-asw1
Arista cEOS
172.20.20.13 | 10.1.99.20

VLAN 99 SVI | *10.1.99.10/24*

VLAN 99 SVI | *10.1.99.20/24*

Eth4

Eth4

Po1

Eth3

Eth3

Eth1

Eth2

Eth1

Eth2

Eth1

Eth1

Eth1

Eth1

Access VLAN 10

Access VLAN 20

Access VLAN 99

Access VLAN 10

Bob

Alice

Steve

Linda

SHRIMP CO.

Google
8.8.8.8

ISP 100

sea-mdf-r1
Cisco IOL
172.20.20.19 | 10.255.0.1

Eth0/2   Eth0/2

sea-mdf-r2
Cisco IOL
172.20.20.20 | 10.255.0.2

Loopback0 | *10.255.0.1/32*

Loopback0 | *10.255.0.2/32*

Eth0/1   Eth0/1
.1   .5

10.1.100.0/30   10.1.100.4/30

Eth3   Eth4
.2   .6

sea-mdf-dsw1
Arista cEOS
172.20.20.18 | 10.1.99.10

Eth1   Eth2

VLAN 10 SVI | *10.1.10.1/24*
VLAN 20 SVI | *10.1.20.1/24*
VLAN 99 SVI | *10.1.99.30/24*

Eth5   Eth5

sea-a1-asw1
Arista cEOS
172.20.20.12 | 10.1.99.16

sea-b1-asw1
Arista cEOS
172.20.20.17 | 10.1.99.20

VLAN 99 SVI | *10.1.99.10/24*

VLAN 99 SVI | *10.1.99.20/24*

Eth4   Eth4
Po1
Eth3   Eth3

Eth1   Eth2   Eth1   Eth2

Eth1   Eth1   Eth1   Eth1

Access VLAN 10   Access VLAN 20   Access VLAN 99   Access VLAN 10

Bob   Alice   Steve   Linda

SHRIMP CO.

Google
8.8.8.8

ISP 100

sea-mdf-r1
Cisco IOL
172.20.20.19 | 10.255.0.1

sea-mdf-r2
Cisco IOL
172.20.20.20 | 10.255.0.2

Loopback0 | *10.255.0.1/32*

Eth0/3   Eth0/3

Loopback0 | *10.255.0.2/32*

Eth0/2   .9   .5   Eth0/2   .13

Eth0/1   Eth0/1   Eth2

10.1.100.8/30

10.1.100.0/30   10.1.100.0/30   10.1.100.12/30

.1   .2   Eth2   .6   Eth5   .10   Eth2   .14

sea-mdf-dsw1
Arista cEOS
172.20.20.18 | 10.1.99.10

sea-mdf-dsw1
Arista cEOS
172.20.20.18 | 10.1.99.10

Eth4   Eth4
Po1
Eth3   Eth3

VLAN 10 SVI | *10.1.10.1/24*   **VLAN 10 SVI** | *10.1.10.1/24*
VLAN 20 SVI | *10.1.20.1/24*   VRRP   **VLAN 20 SVI** | *10.1.20.1/24*
VLAN 99 SVI | *10.1.99.30/24*   **VLAN 99 SVI** | *10.1.99.30/24*

Eth1   Eth1

Eth5   Eth5

sea-a1-asw1
Arista cEOS
172.20.20.12 | 10.1.99.16

sea-b1-asw1
Arista cEOS
172.20.20.17 | 10.1.99.20

VLAN 99 SVI | *10.1.99.10/24*

Eth4   Eth4
Po1
Eth3   Eth3

VLAN 99 SVI | *10.1.99.20/24*

Eth1   Eth2   Eth1   Eth2

Access VLAN 10   Access VLAN 20   Access VLAN 99   Access VLAN 10

Eth1   Eth1   Eth1   Eth1

Bob   Alice   Steve   Linda

SHRIMP CO.

Google
8.8.8.8

ISP 100

sea-a1-asw1
Arista cEOS
172.20.20.12 | 10.1.99.16

sea-b1-asw1
Arista cEOS
172.20.20.17 | 10.1.99.20

Eth1

Eth1

Tunnel1

Tunnel2

sea-mdf-r1
Cisco IOL
172.20.20.19 | 10.255.0.1

sea-mdf-r2
Cisco IOL
172.20.20.20 | 10.255.0.2

Eth0/3

Eth0/3

Loopback0 | 10.255.0.1/32

Loopback0 | 10.255.0.2/32

Gerald

Gerald

Eth0/1

Eth0/2

Eth0/2

Eth0/1

.1

.13

10.1.100.0/30

10.1.100.8/30

10.1.100.0/30

10.1.100.12/30

.2

Eth5

.5

Eth8

.10

Eth8

.2

Eth5

sea-mdf-dsw1
Arista cEOS
172.20.20.18 | 10.1.99.10

sea-mdf-dsw1
Arista cEOS
172.20.20.18 | 10.1.99.10

Eth4

Eth4

Po1

Eth3

Eth3

VLAN 10 SVI | 10.1.10.1/24
VLAN 20 SVI | 10.1.20.1/24
VLAN 99 SVI | 10.1.99.30/24

VRRP

VLAN 10 SVI | 10.1.10.1/24
VLAN 20 SVI | 10.1.20.1/24
VLAN 99 SVI | 10.1.99.30/24

VLAN 10 SVI | 10.1.10.1/24
VLAN 20 SVI | 10.1.20.1/24
VLAN 99 SVI | 10.1.99.30/24

Eth1

Eth2

Eth2

Eth1

sea-a1-asw1
Arista cEOS
172.20.20.12 | 10.1.99.16

sea-b1-asw1
Arista cEOS
172.20.20.17 | 10.1.99.20

Eth6

Eth7

Eth7

Eth6

VLAN 99 SVI | 10.1.99.10/24

VLAN 99 SVI | 10.1.99.20/24

Eth5

Eth5

Po1

Eth4

Eth4

Eth1

Eth3

Eth2

Eth1

Eth3

Eth2

Eth1

Eth1

Eth1

Eth1

Eth1

Eth1

Bob

Eth1

Alice

Steve

Eth1

Linda

Gerald

Sandra