ISP and NSP Security Workshop
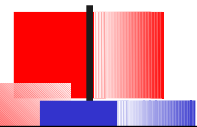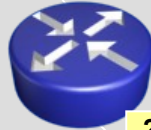
APRICOT 2011

Lab Documentation

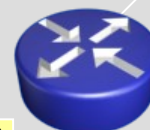# Hub Site

Trigger_J43

.1 ge-0/0/1

.2 ge-0/0/0

OSPF

.1 ge-0/0/1

Serverfarm_C18

.1 fe 0/1

.2 fe0/0

.1 ge-0/0/2

BGP

Edge_J43

ge-0/0/0 .11, .21, .31, .41

Internet

Attacker

192.168.175.1

Terminal Server
192.168.175.200

Gateway
192.168.175.254

Static Routing

1/1/1 .12, .22, .32, .42

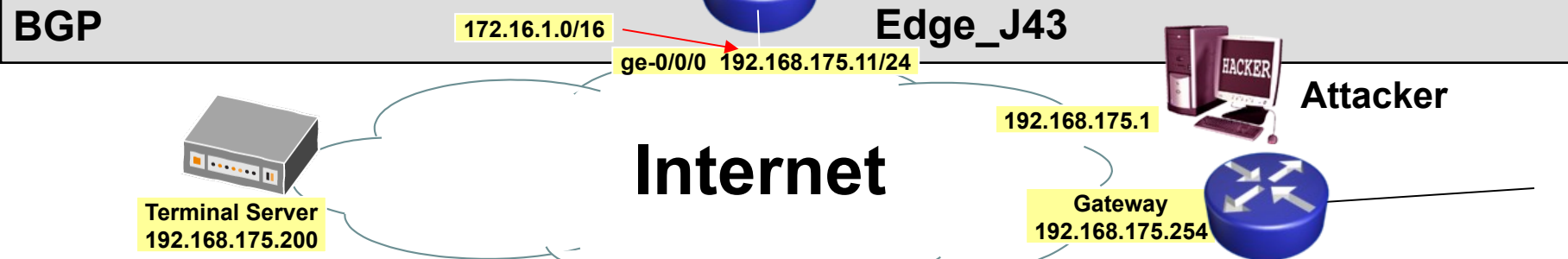## Remote Site

Remote_A7750

1/1/2 .1

.100

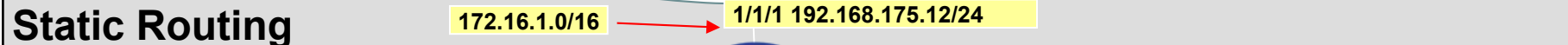**FreeBSD**

APRICOT 2011 ISP Security Addressing Lab1
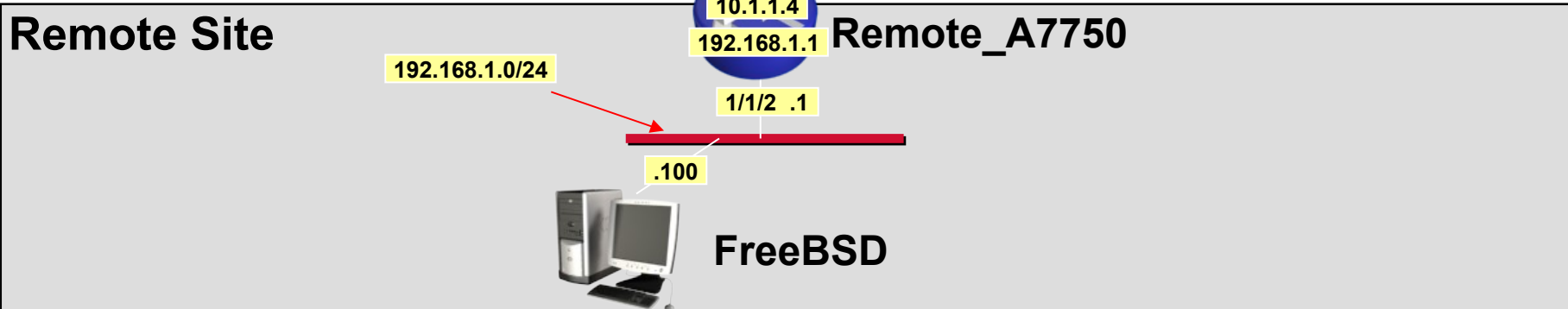## • AS100
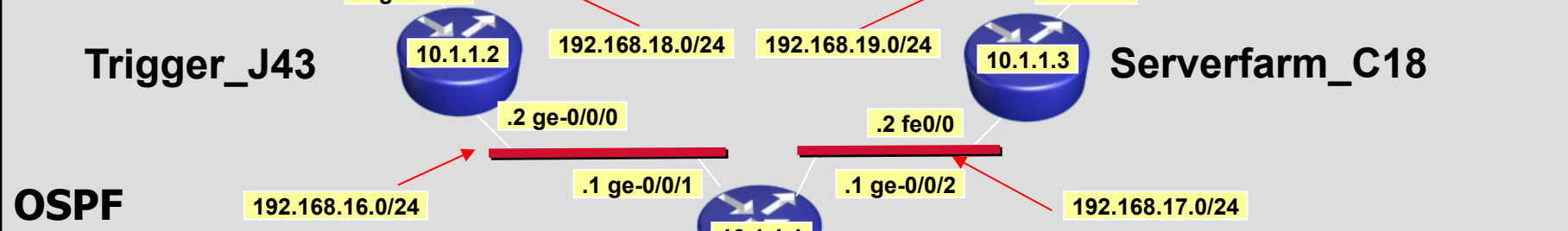
APRICOT 2011 ISP Security Addressing Lab2
- **AS200**

Hub Site

Trigger_J43
.1 ge-0/0/1
10.1.2.2
192.168.28.0/24
192.168.29.0/24
.1 fe 0/1
10.1.2.3
Serverfarm_C18

.2 ge-0/0/0
.2 fe0/0

OSPF
192.168.26.0/24
.1 ge-0/0/1
.1 ge-0/0/2
192.168.27.0/24
10.1.2.1

BGP
172.16.2.0/16
Edge_J43
ge-0/0/0 192.168.175.21/24

192.168.175.1
Attacker

Internet

Terminal Server
192.168.175.200

Gateway
192.168.175.254

Static Routing
172.16.2.0/16
1/1/1 192.168.175.22/24

10.1.2.4
192.168.2.1 Remote_A7750

Remote Site
192.168.2.0/24

1/1/2 .1

.100

FreeBSD
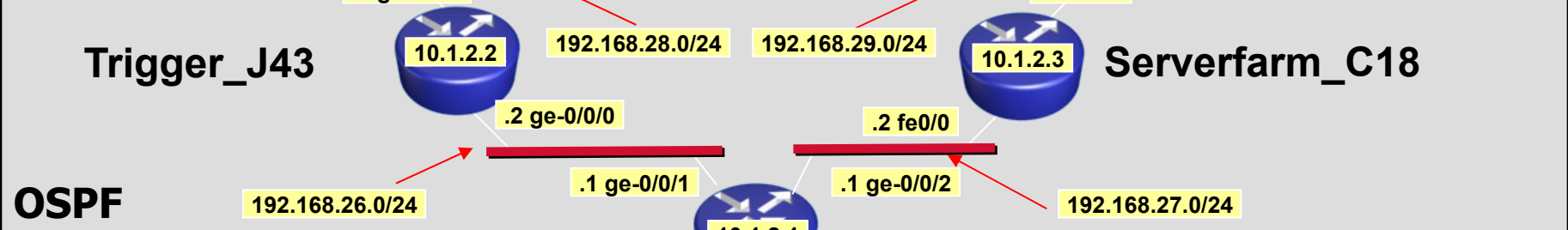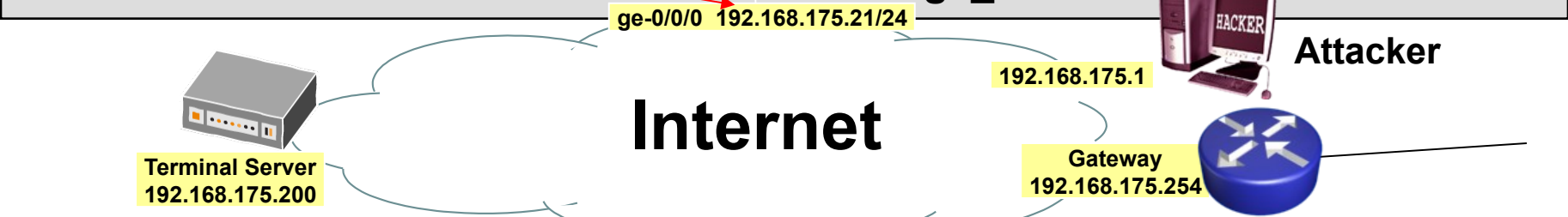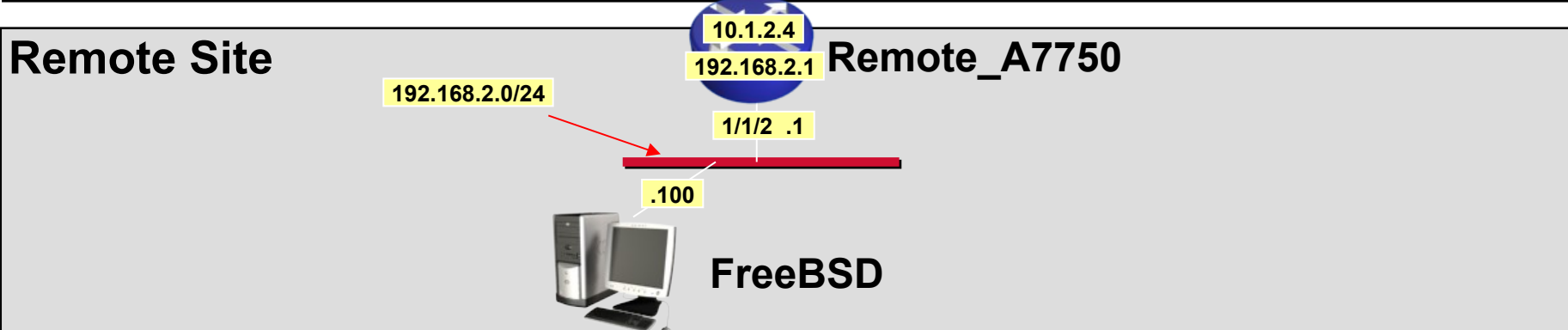
APRICOT 2011 ISP Security Addressing Lab3
• AS300
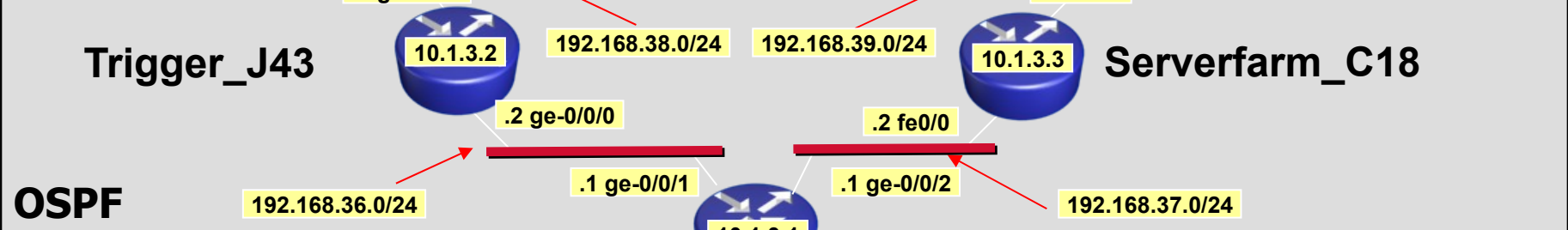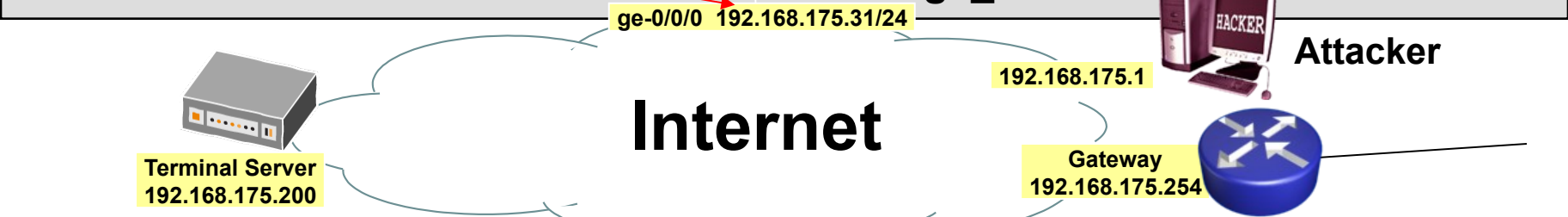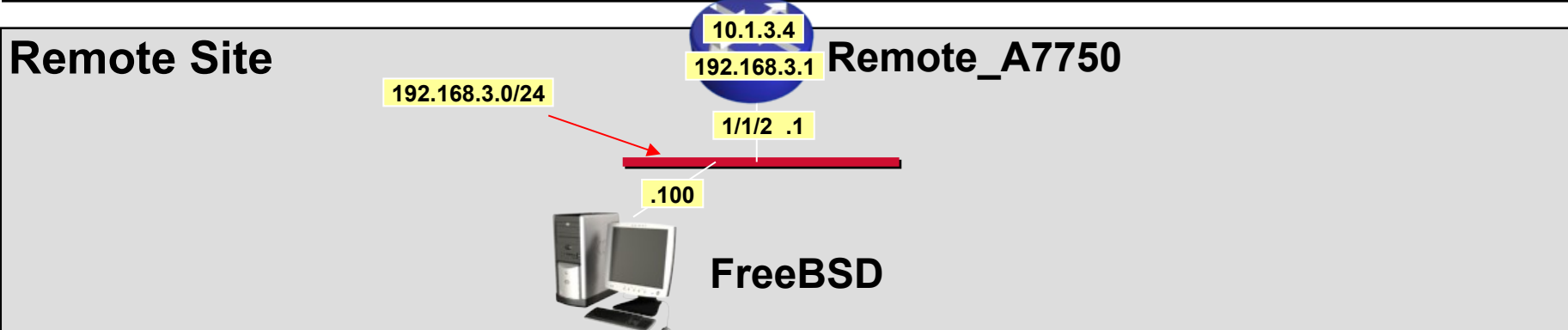
APRICOT 2011 ISP Security Addressing Lab4
- AS400

Hub Site

Trigger_J43 — .1 ge-0/0/1 — 10.1.4.2

192.168.48.0/24   192.168.49.0/24 — .1 fe 0/1 — 10.1.4.3 — Serverfarm_C18

.2 ge-0/0/0   .2 fe0/0

OSPF

192.168.46.0/24 — .1 ge-0/0/1   .1 ge-0/0/2 — 192.168.47.0/24

10.1.4.1

BGP

172.16.4.0/16 — Edge_J43

ge-0/0/0   192.168.175.41/24

192.168.175.1 — **Attacker** — HACKER

Internet

Terminal Server
192.168.175.200

Gateway
192.168.175.254

Static Routing

172.16.4.0/16 — 1/1/1   192.168.175.42/24

10.1.4.4

Remote Site

192.168.4.1 — Remote_A7750

192.168.4.0/24

1/1/2   .1

.100

FreeBSD
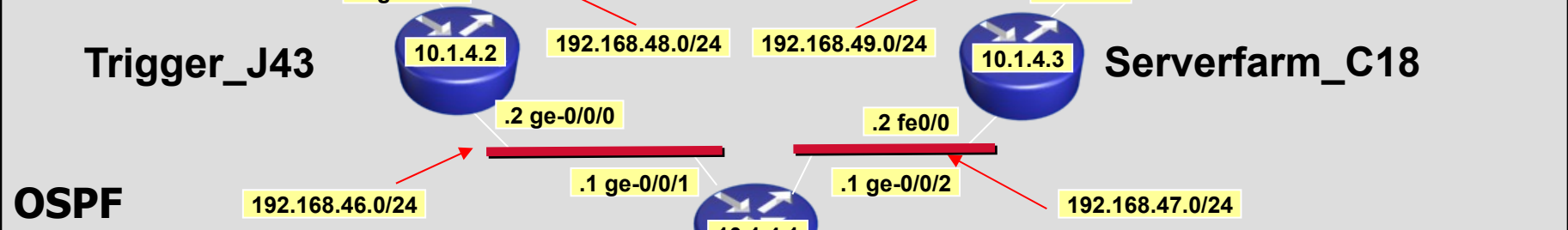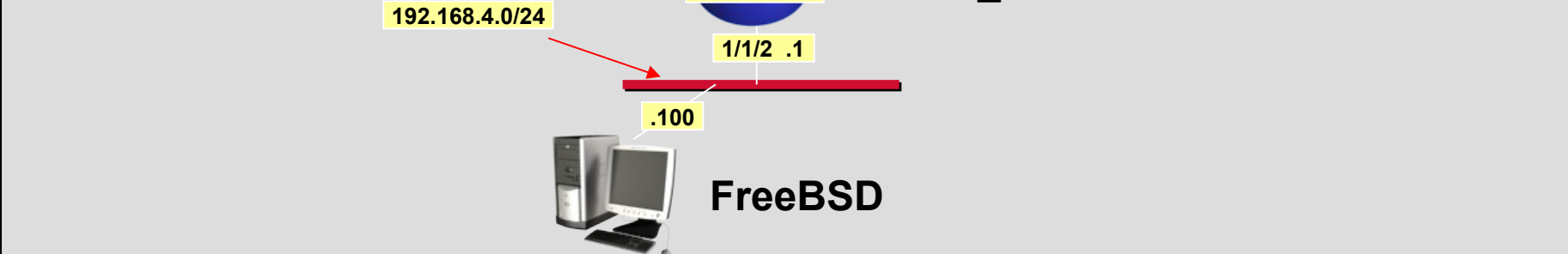
JUNOS redistribution into BGP

```
protocols {
   bgp {
       group IBGP {
             import REDISTRIBUTE;
       }
   }
}
policy-options {
   policy-statement REDISTRIBUTE{
       term MYSTATICS {
             from protocol static;
             then accept;
       }
   }
}
```