ISP and NSP Security Workshop

APRICOT 2013
Day 2
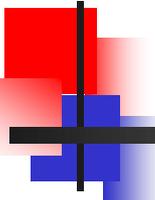
Agenda

- Day 1/2:
    - Securing the Infrastructure
- Day 3:
    - Gain visibility
- Day 4:
    - MPLS / L3VPN Security
- Day 5:
    - Managed security services
    - L2 security
- Conclusions
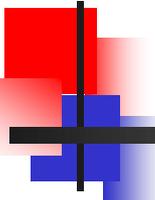
Housekeeping

- WiFi password: apricot2013
- Class hours
  - 9am to 5pm, Tuesday through Saturday
- Break times in the mezzanine area
  - Morning tea: 10:30-11:00
  - Lunch: 13:00-14:00
  - Afternoon tea: 15:30-16:00
- Health and Safety
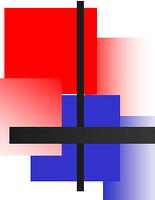
Housekeeping

- There will be a daily quiz
- Regular pop quizzes!
- Test at the end of the workshop
- Keep listening and thinking!
- No matter how small something may seem
  - *It will come up!*
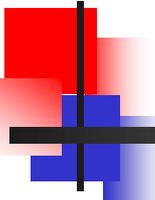
# Tuesday agenda

- **09:00**   **Open**
- 09:00-9:05   Introduction/Recap
- 09:05-10:30   Edge security
- *10:30-11:00*   *Break*
- 11:00-12:30   Edge security
- *13:00-14:00*   *Lunch*
- 14:00-15:30   Edge security
- *15:30-16:00*   *Break*
- 16:00-17:00   Edge security
- **17:00**   **Close**

RECAP

We built a lab!

R17 [CE1]
lo0: 10.0.11.253/32

R1 [PE1]
lo0: 10.0.11.251/32

R2 [PE2]
lo0: 10.0.11.252/32

R18 [CE2]
lo0: 10.0.11.254/32

lo1
192.168.17.1/32

lo1
192.168.18.1/32

e1/0
10.0.11.5/30
10.0.11.6/30

e1/2

e1/1
10.0.11.1/30
10.0.11.2/30
e1/0

e1/3
10.0.11.9/30
10.0.11.10/30
e1/0

IBGP
AS10

ISIS or
OSPF
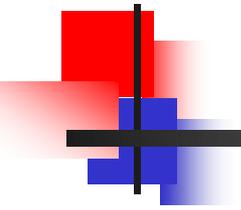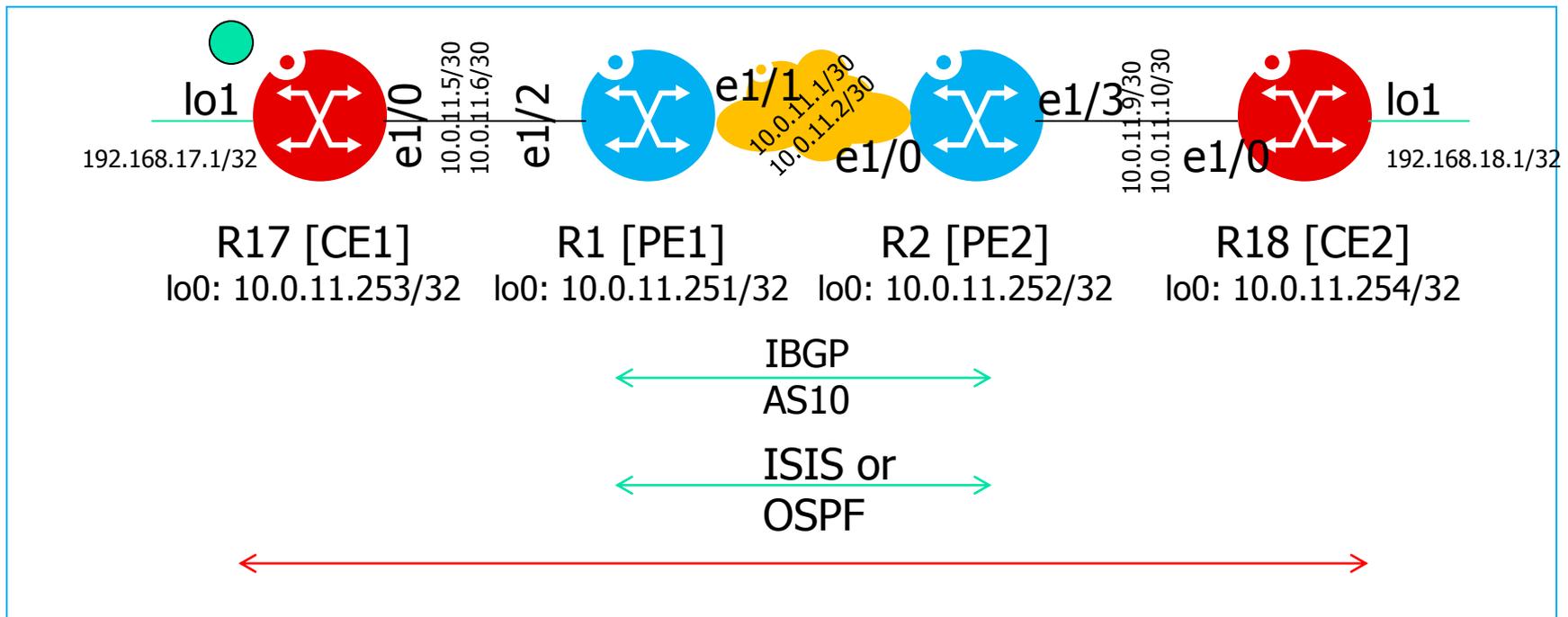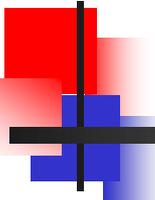
Quiz

1. Why is social networking important for network security?
2. What platform are we using in the lab?
3. When should you use telnet?
4. What other protocols might you use to manage a router?
5. What is a worm?
6. How long would a router with no password last on the Internet?
7. What does '`no ip domain-lookup`' do?
8. How many phases of incident response are there?
9. What are some ways to identify a security incident in process?
10. Why does iBGP use loopback addresses?
11. What does '`aaa security new-model`' do? Why would it be a good idea?