Building LAB with Physical Devices

Lecture 10

SoftUni Team

Technical Trainers

sli.do

#CNF

Theory is when you know everything but nothing works.

Practice is when everything works but no one knows why.

In our lab, theory and practice are combined: nothing works and no one knows why.

Table of Contents

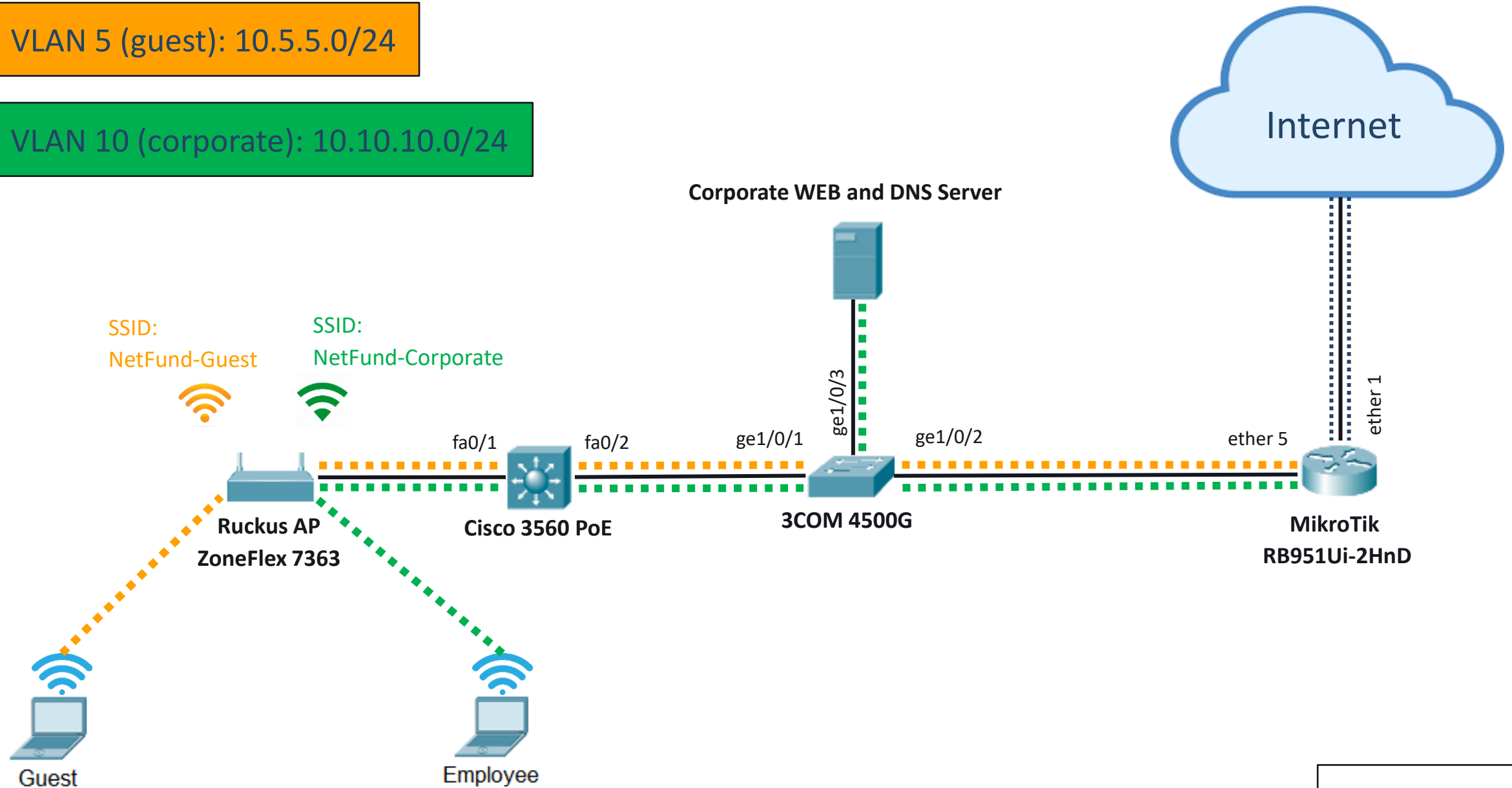1. Demo – scenario 1

2. Demo – scenario 2

Demo – scenario 1

Demo - scenario 1

Topology details – scenario 1

- DHCP server for both VLANs is the Cisco device
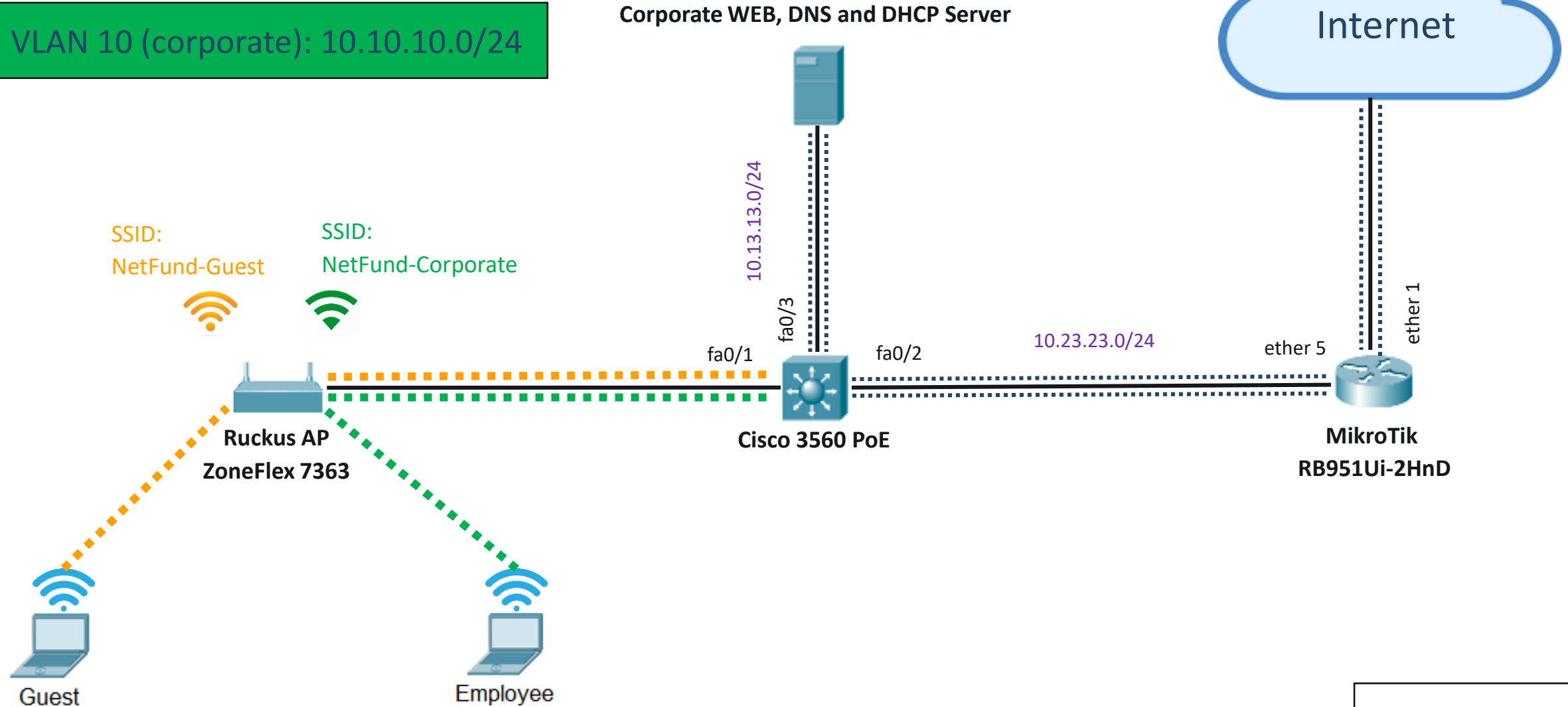
- MikroTik is routing the VLANs and making NAT to "outside"

Device, interface	IP address
Cisco, VLAN 5	10.5.5.3
Cisco, VLAN 10	10.10.10.3
3COM, VLAN 5	(10.5.5.2)
3COM, VLAN 10	(10.10.10.2)
Corporate server (Web and DNS)	10.10.10.101
MikroTik, VLAN 5	10.5.5.1
MikroTik, VLAN 10	10.10.10.1

Demo – scenario 2

VLAN 5 (guest): 10.5.5.0/24

VLAN 10 (corporate): 10.10.10.0/24

Corporate WEB, DNS and DHCP Server

Internet

SSID:
NetFund-Guest

SSID:
NetFund-Corporate

10.13.13.0/24

fa0/3

fa0/1

fa0/2

10.23.23.0/24

ether 5

ether 1

Ruckus AP
ZoneFlex 7363

Cisco 3560 PoE

MikroTik
RB951Ui-2HnD

Guest

Employee

Demo - scenario 2

Topology details – scenario 2

- DHCP server for both VLANs is the (Windows) Server

- Cisco is routing the VLANs, MikroTik is making NAT to "outside"

Device, interface	IP address
Cisco, VLAN 5	10.5.5.3
Cisco, VLAN 10	10.10.10.3
Cisco, fa0/3	10.13.13.3
Cisco, fa0/2	10.23.23.3
Corporate server (Web, DNS and DHCP)	10.13.13.101
MikroTik, ether 5	10.23.23.1

Summary

1. Demo – scenario 1
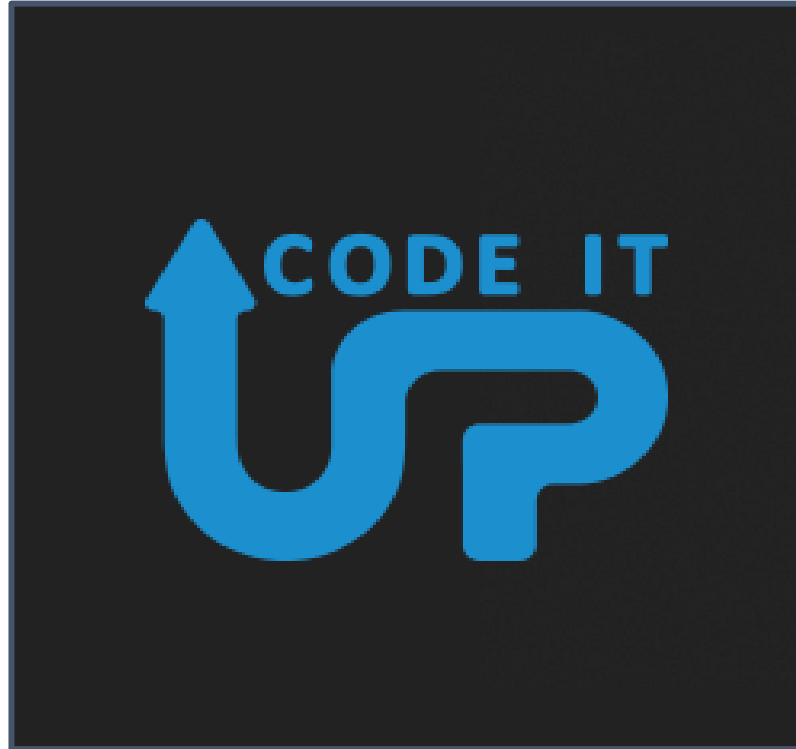2. Demo – scenario 2

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Questions?

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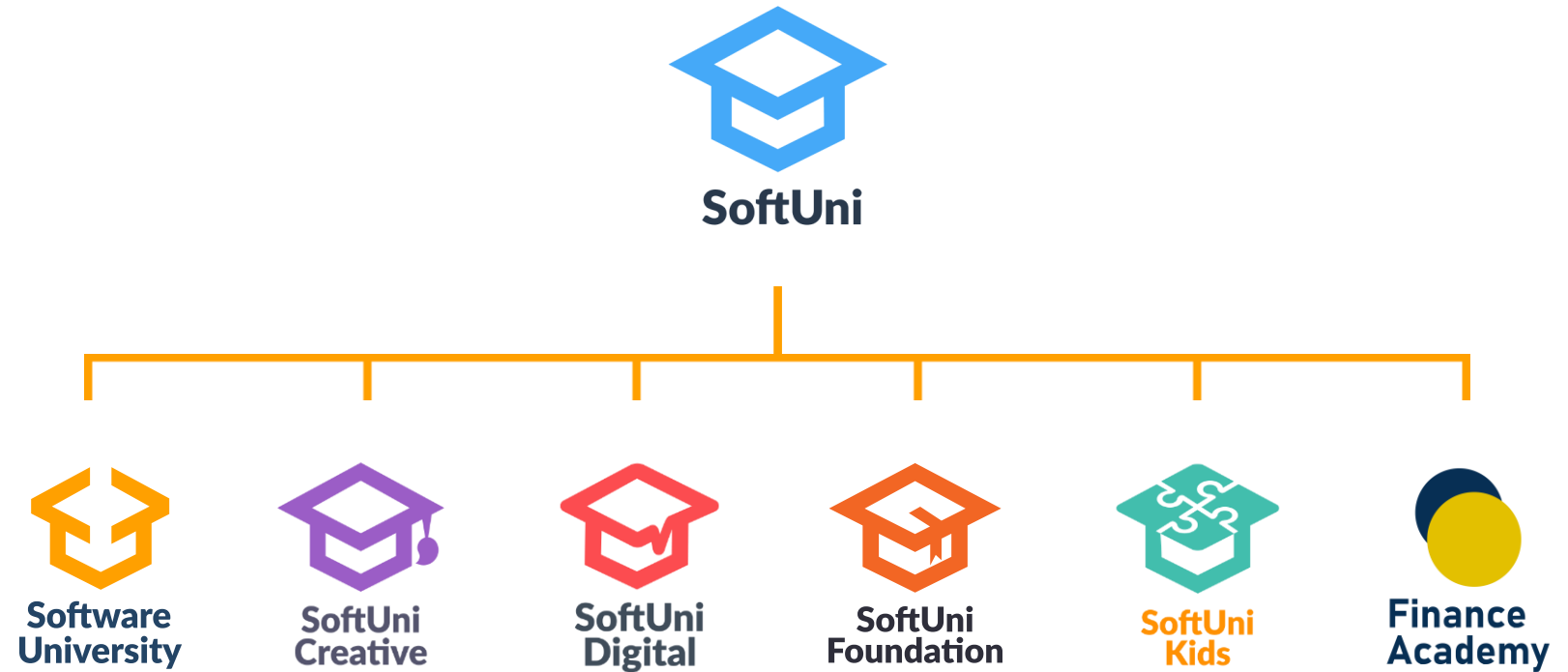
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