

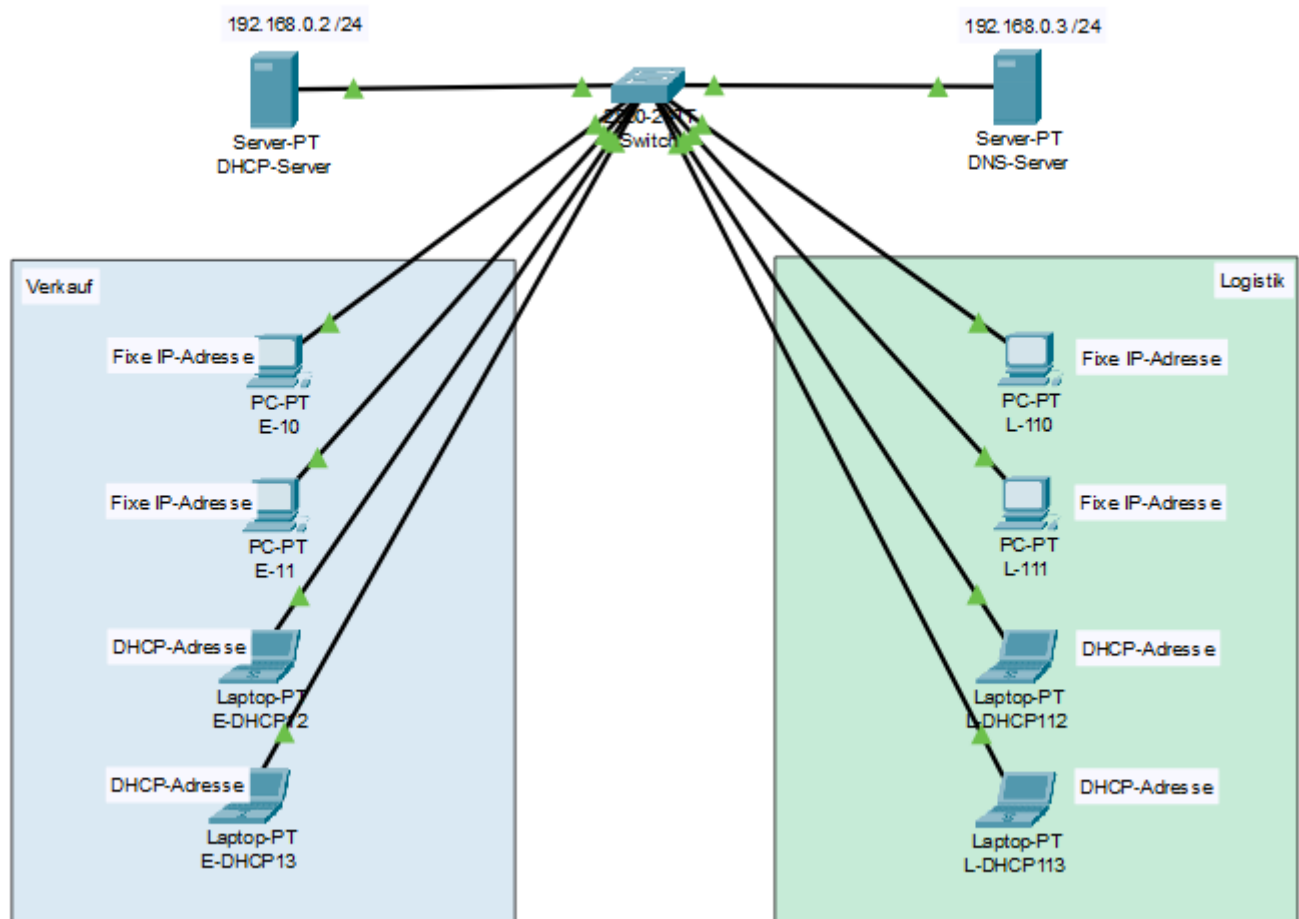
Cisco Pakter Tracer

Modul 123 – Hands-on Challenge - „Serverdienste DHCP und DNS für ein KMU einrichten

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Verkabeln

Die einzelnen Geräte mit einem Kupfer-Kabel verbinden



DHCP Konfigurieren

Den DHCP-Server konfigurieren. Lege den IP-Pool fest von 192.168.0.150 - 192.168.0.200. Lege ausserde noch den DNS-Server fertig.

 DHCP-Server

Physical

Config

Services

Desktop

Programming

Attributes

SERVICES

HTTP

DHCP

DHCPv6

TFTP

DNS

SYSLOG

AAA

NTP

EMAIL

FTP

IoT

VM Management

Radius EAP

DHCP

Interface FastEthernet0 Service ☒ On ☐ Off

Pool Name serverPool

Default Gateway 0.0.0.0

DNS Server 192.168.0.3

Start IP Address : 192 168 0 100

Subnet Mask: 255 255 255 0

Maximum Number of Users : 106

TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

Add

Save

Remove

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	0.0.0.0	192.16...	192.16...	255.25...	106	0.0.0.0	0.0.0.0

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DNS Konfigurieren

Den DNS-Server Konfigurieren hinterlege die einzelnen fix IP PCs.

DNS

DNS Service ☒ On ☐ Off

Resource Records

Name

Type A Record ▼

Address

AddSaveRemove

No.	Name	Type	Detail
0	dhcp-server	A Record	192.168.0.2
1	dns-server	A Record	192.168.0.3
2	e-10	A Record	192.168.0.10
3	e-11	A Record	192.168.0.11
4	l-110	A Record	192.168.0.110
5	l-111	A Record	192.168.0.111

Überprüfung

Zur Überprüfung, dass alle Sachen funktionieren hier ein Screenshot.

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 1-110

Pinging 192.168.0.110 with 32 bytes of data:

Reply from 192.168.0.110: bytes=32 time=1ms TTL=128
Reply from 192.168.0.110: bytes=32 time=8ms TTL=128
Reply from 192.168.0.110: bytes=32 time<1ms TTL=128
Reply from 192.168.0.110: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.0.110:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 8ms, Average = 2ms

C:\>nslookup |

Server: [192.168.0.3]
Address: 192.168.0.3
```