

Obr. 1 Schéma firemní MESH

LAPTOP0: IPCONFIG + PING 8.8.8.8

```

Laptop0
Physical Config Desktop Programming Attributes
Command Prompt
C:\>ipconfig

FastEthernet0 Connection: (default port)

Connection-specific DNS Suffix...:
Link-local IPv6 Address . . . . . : FE80::2D0:D3FF:FED7:E60E
IPv6 Address . . . . . :
IPv4 Address . . . . . : 10.27.3.6
Subnet Mask . . . . . : 255.255.255.224
Default Gateway . . . . . :
10.27.3.1

Bluetooth Connection:

Connection-specific DNS Suffix...:
Link-local IPv6 Address . . . . . :
IPv6 Address . . . . . : 0.0.0.0
Subnet Mask . . . . . : 0.0.0.0
Default Gateway . . . . . :
0.0.0.0

C:\>ping 8.8.8.8

Pinging 8.8.8.8 with 32 bytes of data:

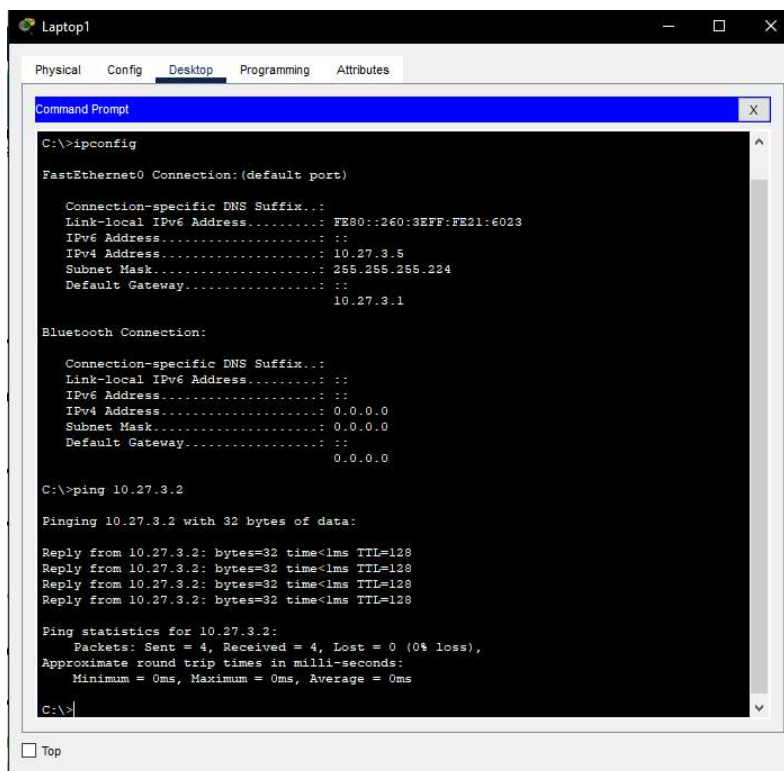
Reply from 8.8.8.8: bytes=32 time<1ms TTL=126
Reply from 8.8.8.8: bytes=32 time<1ms TTL=126
Reply from 8.8.8.8: bytes=32 time<1ms TTL=126
Reply from 8.8.8.8: bytes=32 time<1ms TTL=126

Ping statistics for 8.8.8.8:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
    
```

Obr. 2 Laptop0

LAPTOP1: IPCONFIG + PING DHCP_SERVER



```

C:\>ipconfig

FastEthernet0 Connection: (default port)

    Connection-specific DNS Suffix...:
    Link-local IPv6 Address . . . . .: FE80::260:3EFF:FE21:6023
    IPv6 Address . . . . .: ::
    IPv4 Address . . . . .: 10.27.3.5
    Subnet Mask . . . . .: 255.255.255.224
    Default Gateway . . . . .: 10.27.3.1

Bluetooth Connection:

    Connection-specific DNS Suffix...:
    Link-local IPv6 Address . . . . .: ::
    IPv6 Address . . . . .: ::
    IPv4 Address . . . . .: 0.0.0.0
    Subnet Mask . . . . .: 0.0.0.0
    Default Gateway . . . . .: 0.0.0.0

C:\>ping 10.27.3.2

Pinging 10.27.3.2 with 32 bytes of data:

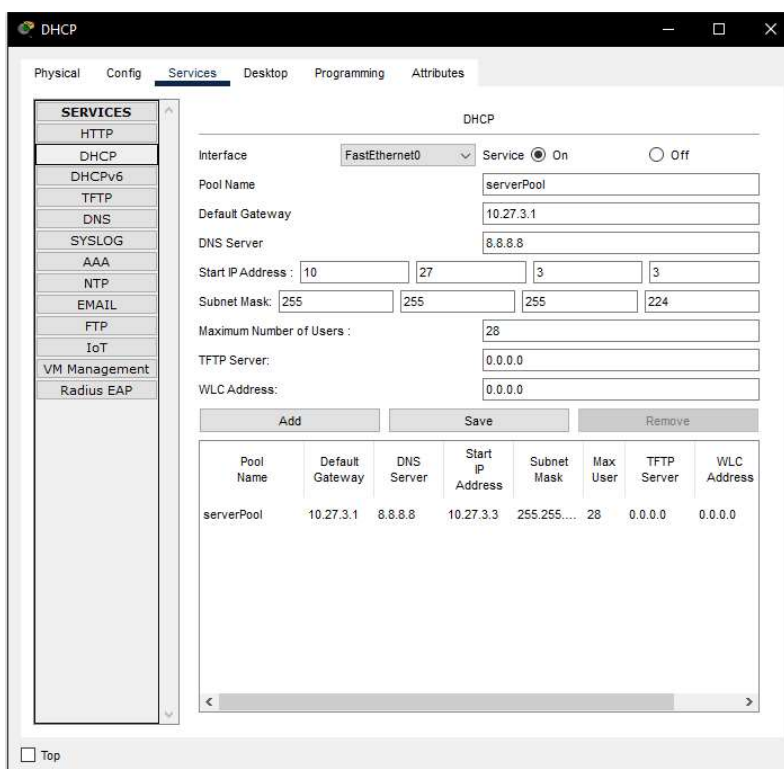
Reply from 10.27.3.2: bytes=32 time<1ms TTL=128
Reply from 10.27.3.2: bytes=32 time<1ms TTL=128
Reply from 10.27.3.2: bytes=32 time<1ms TTL=128
Reply from 10.27.3.2: bytes=32 time<1ms TTL=128

Ping statistics for 10.27.3.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
  
```

Obr. 3 Laptop1

SERVER: SLUŽBA DHCP (NASTAVENÍ)



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: 10.27.3.1

DNS Server: 8.8.8.8

Start IP Address: 10 27 3 3

Subnet Mask: 255 255 255 224

Maximum Number of Users: 28

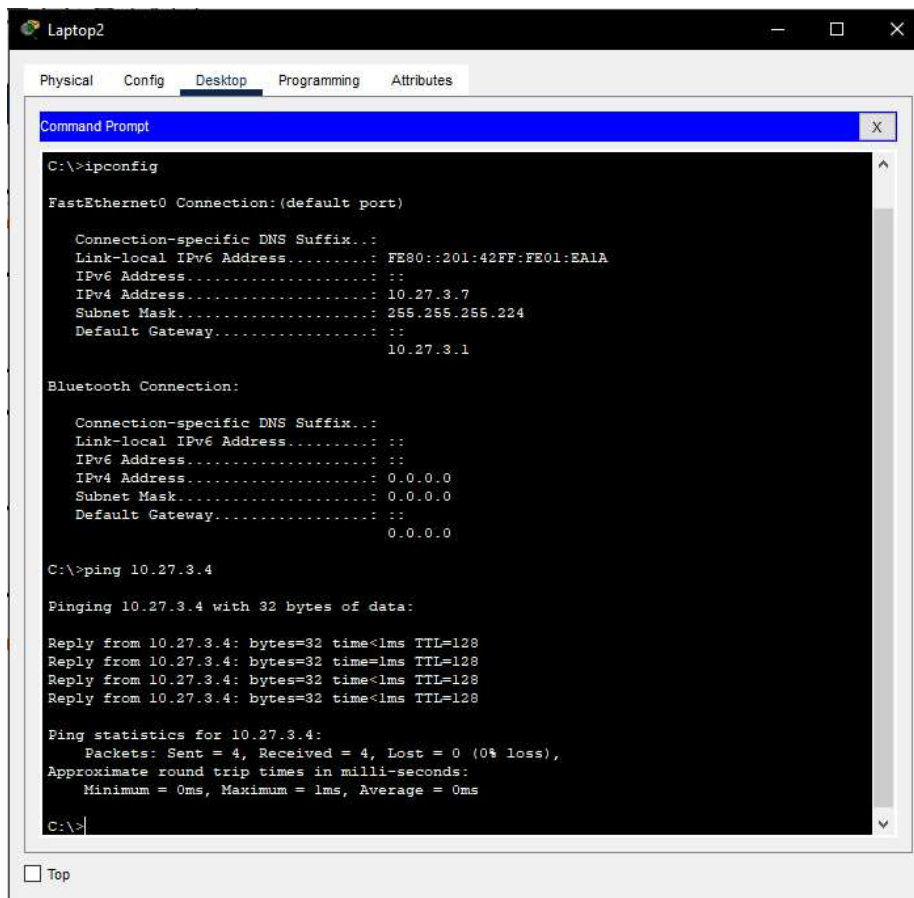
TFTP Server: 0.0.0.0

WLC Address: 0.0.0.0

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	10.27.3.1	8.8.8.8	10.27.3.3	255.255.255.224	28	0.0.0.0	0.0.0.0

Obr. 4 DHCP_server

LAPTOP2: IPCONFIG + PING LAPTOP4



The screenshot shows a Windows Command Prompt window titled "Laptop2" with tabs for Physical, Config, Desktop, Programming, and Attributes. The "Desktop" tab is active. The Command Prompt displays the output of the following commands:

```
C:\>ipconfig

FastEthernet0 Connection: (default port)

    Connection-specific DNS Suffix...:
    Link-local IPv6 Address . . . . .: FE80::201:42FF:FE01:E1A1
    IPv6 Address . . . . .: ::
    IPv4 Address . . . . .: 10.27.3.7
    Subnet Mask . . . . .: 255.255.255.224
    Default Gateway . . . . .: ::
                               10.27.3.1

Bluetooth Connection:

    Connection-specific DNS Suffix...:
    Link-local IPv6 Address . . . . .:
    IPv6 Address . . . . .:
    IPv4 Address . . . . .: 0.0.0.0
    Subnet Mask . . . . .: 0.0.0.0
    Default Gateway . . . . .:
                               0.0.0.0

C:\>ping 10.27.3.4

Pinging 10.27.3.4 with 32 bytes of data:

Reply from 10.27.3.4: bytes=32 time<1ms TTL=128
Reply from 10.27.3.4: bytes=32 time<1ms TTL=128
Reply from 10.27.3.4: bytes=32 time<1ms TTL=128
Reply from 10.27.3.4: bytes=32 time<1ms TTL=128

Ping statistics for 10.27.3.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

At the bottom left of the window, there is a checkbox labeled "Top" which is currently unchecked.

Obr. 5 Laptop2