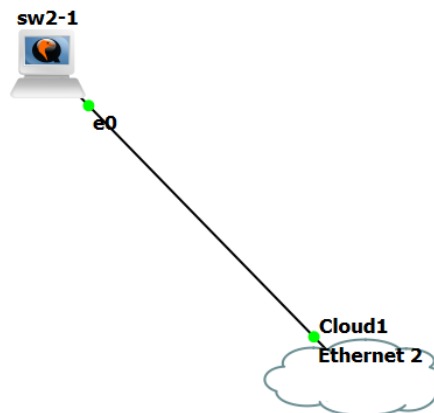


Documentatie retea:



Pe sw am atribuit o adresa ip (10.1.1.1) pe interfata de management pentru a ne putea conecta in-band de pe propriul pc si am facut configurarile specific pentru conectarea prin ssh.

Username -> andreea

Parola -> 33

Parola pentru a trece in modul privilegiat -> priv

Switch#show ip int br

Interface	IP-Address	OK?	Method	Status	Protocol
GigabitEthernet0/0	unassigned	YES	unset	up	up
GigabitEthernet0/1	unassigned	YES	unset	down	down
GigabitEthernet0/2	unassigned	YES	unset	down	down
GigabitEthernet0/3	unassigned	YES	unset	down	down
GigabitEthernet1/0	unassigned	YES	unset	down	down
GigabitEthernet1/1	unassigned	YES	unset	down	down

GigabitEthernet1/2	unassigned	YES	unset	down	down
GigabitEthernet1/3	unassigned	YES	unset	down	down
Vlan99	10.1.1.1	YES	manual	up	up

Am reusit sa imi conectez pc-ul propriu la switch-ul din topologie urmand pasii:

- am creat un Microsoft loopback adapter (Ethernet 2) tastand comanda `hdwwiz.exe` in Command Prompt si ghidandu-ma dupa instructiunile din <https://www.youtube.com/watch?v=ZHVrgP-pdTA&t=529s>.

- am atribuit o Adresa ip 10.1.1.100 si masca de subretea 255.255.255.0

```
Ethernet adapter Ethernet 2:

Connection-specific DNS Suffix  . : 
Link-local IPv6 Address . . . . . : fe80::eb53:3e07:e76e:a045%18
IPv4 Address. . . . . : 10.1.1.100
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . :
```

- am verificat conexiunea trimitand pachete icmp:

```
C:\Users\Z>ping 10.1.1.1

Pinging 10.1.1.1 with 32 bytes of data:
Reply from 10.1.1.1: bytes=32 time=7ms TTL=255
Reply from 10.1.1.1: bytes=32 time=8ms TTL=255
Reply from 10.1.1.1: bytes=32 time=8ms TTL=255
Reply from 10.1.1.1: bytes=32 time=20ms TTL=255

Ping statistics for 10.1.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 7ms, Maximum = 20ms, Average = 10ms
```

- la crearea topologiei a fost nevoie sa adaug manual interfata Ethernet 2(eth2) pentru cloud.

Conectarea remote prin ssh am realizat-o prin comanda:

C:\Users\Z>ssh -o KexAlgorithms=diffie-hellman-group1-sha1 -l andreea 10.1.1.1 , unde a fost nevoie sa specific optiunea -o KexAlgorithms=diffie-hellman-group1-sha1, pentru a rezolva problema:

C:\Users\Z>ssh -l nume 10.1.1.1

Unable to negotiate with 10.1.1.1 port 22: no matching key exchange method found. Their offer: diffie-hellman-group-exchange-sha1,diffie-hellman-group14-sha1,diffie-hellman-group1-sha1

```
C:\Users\Z>ssh -o KexAlgorithms=diffie-hellman-group1-sha1 -l andreea 10.1.1.1

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* education. IOSv is provided as-is and is not supported by Cisco's *
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*****
*****(andreea@10.1.1.1) Password:

*****
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*****
Switch>en
Password:
Switch#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#ionterface vlan 99
      ^
% Invalid input detected at '^' marker.

Switch(config)#interface vlan 99
Switch(config-if)#Connection to 10.1.1.1 closed by remote host.
Connection to 10.1.1.1 closed.
```