

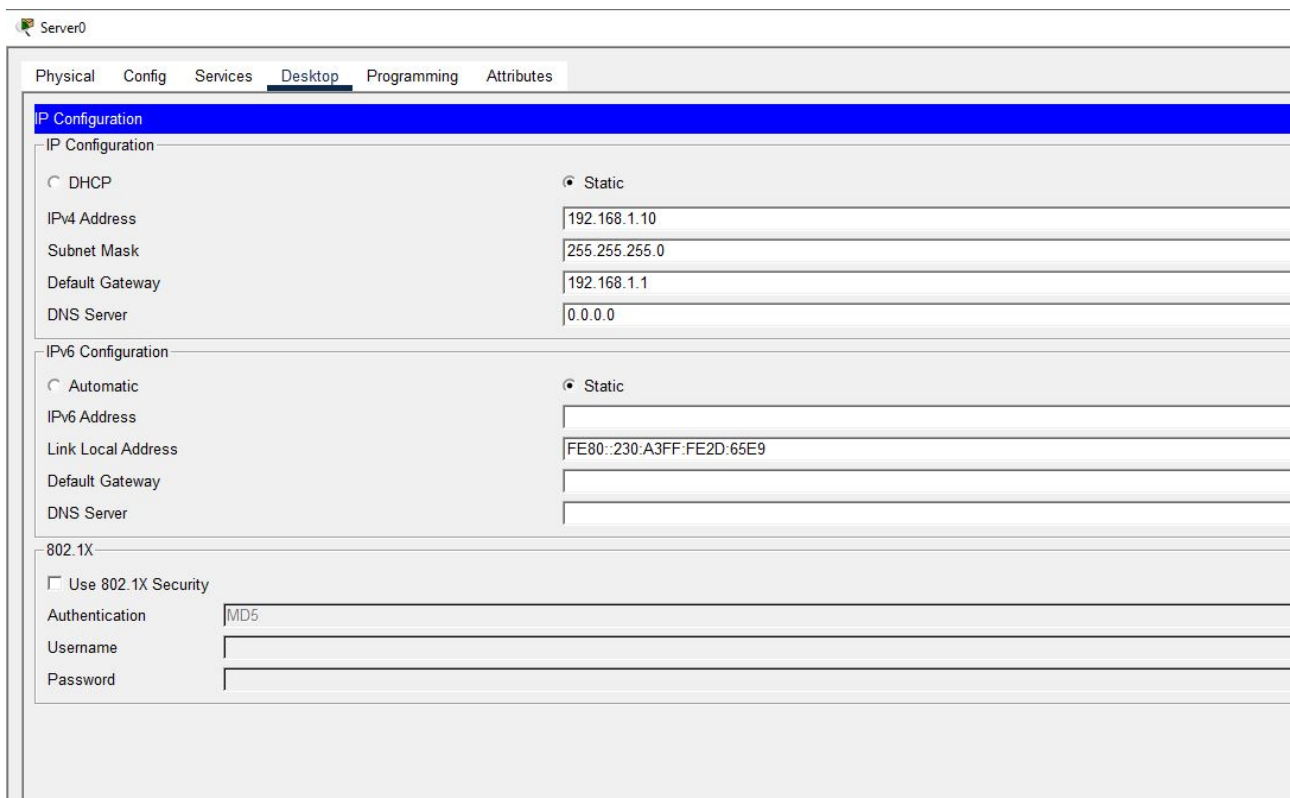
## ESERCITAZIONE DEL 1.12

Ho creato un SERVER su cisco packet tracer



Successivamente ho effettuato la configurazione del server → desktop e configura IP

Ho inserito IP, subnet e gateway



The screenshot shows the configuration window for 'Server0' in Cisco Packet Tracer. The 'Desktop' tab is selected, and the 'IP Configuration' section is expanded. The 'Static' radio button is selected for both IPv4 and IPv6 configurations. The IPv4 configuration shows an IP address of 192.168.1.10, a subnet mask of 255.255.255.0, a default gateway of 192.168.1.1, and a DNS server of 0.0.0.0. The IPv6 configuration shows a static link local address of FE80::230:A3FF:FE2D:65E9. The 802.1X section is also visible, with the 'Use 802.1X Security' checkbox unchecked and the authentication method set to MD5.

Section	Option	Value
IP Configuration	Static	<input checked="" type="radio"/>
	IPv4 Address	192.168.1.10
	Subnet Mask	255.255.255.0
	Default Gateway	192.168.1.1
	DNS Server	0.0.0.0
IPv6 Configuration	Static	<input checked="" type="radio"/>
	IPv6 Address	
	Link Local Address	FE80::230:A3FF:FE2D:65E9
	Default Gateway	
	DNS Server	
802.1X	Use 802.1X Security	<input type="checkbox"/>
	Authentication	MD5
	Username	
	Password	

Nelle impostazioni lascio il flag su “statico” in modo da poter rendere raggiungibile il server DHCP dai client.

Ho deciso di assegnare 10 IP con range specifico al server

Sono andato su SERVICES e cliccato nella voce DHCP per la configurazione: nel campo start IP address ho inserito l'indirizzo IP del server per far si che l'assegnazione automatica partisse da quel valore ed inserito 10 come numero massimo di user

Physical Config **SERVICES** Desktop Programming Attributes

**SERVICES**

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP
- IoT
- VM Management
- Radius EAP
- PRP

DHCP

Interface: FastEthernet0 Service: ☒ On ☐ Off

Pool Name: serverPool

Default Gateway: 0.0.0.0

DNS Server: 0.0.0.0

Start IP Address: 192.168.1.1

Subnet Mask: 255.255.255.0

Maximum Number of Users: 10

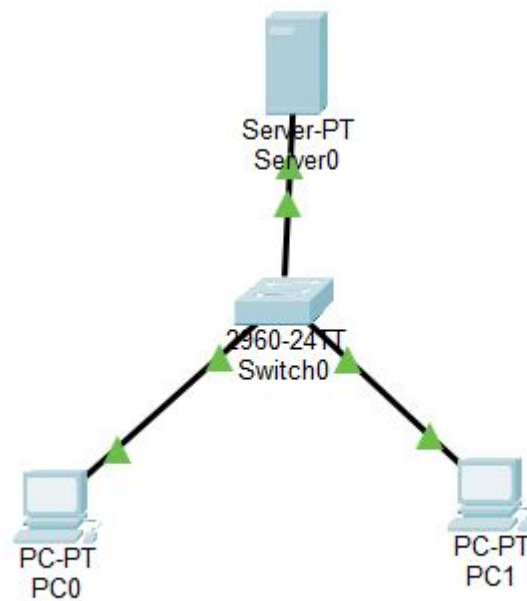
TFTP Server: 0.0.0.0

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	0.0.0.0	192.168.1.1	255.255.255.0	512	0.0.0.0	0.0.0.0

Dopo aver completato con la configurazione del server, su cisco packet ho inserito uno switch e 2 pc



Dopo aver impostato i PC in modalità DHCP gli indirizzi IP sono stati assegnati automaticamente dal server senza la configurazione manuale confermando il corretto funzionamento del DHCP

PC0

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

IPv4 Address 192.168.1.1

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80::290:21FF:FE07:98D7

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password

PC1

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static DHCP request successful.

IPv4 Address 192.168.1.2

Subnet Mask 255.255.255.0

Default Gateway 0.0.0.0

DNS Server 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address

Link Local Address FE80::201:96FF:FE2D:52EE

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

Authentication MD5

Username

Password