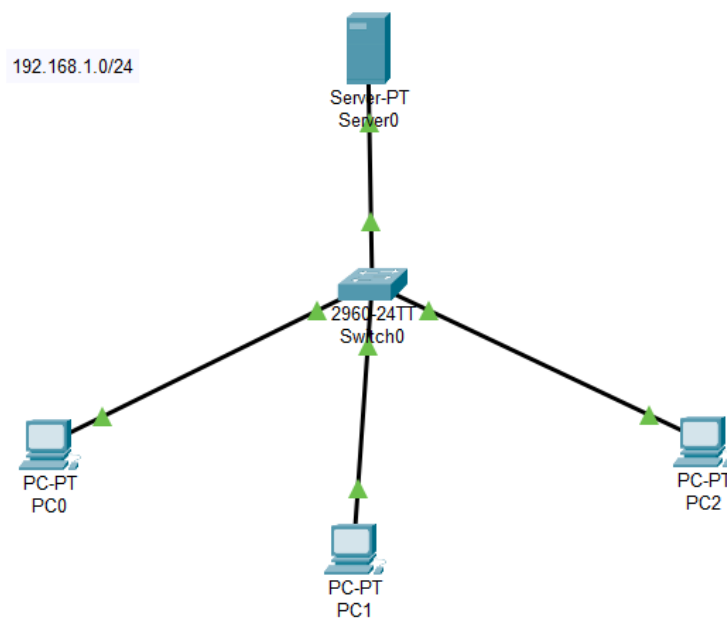


Pratica S2/L1

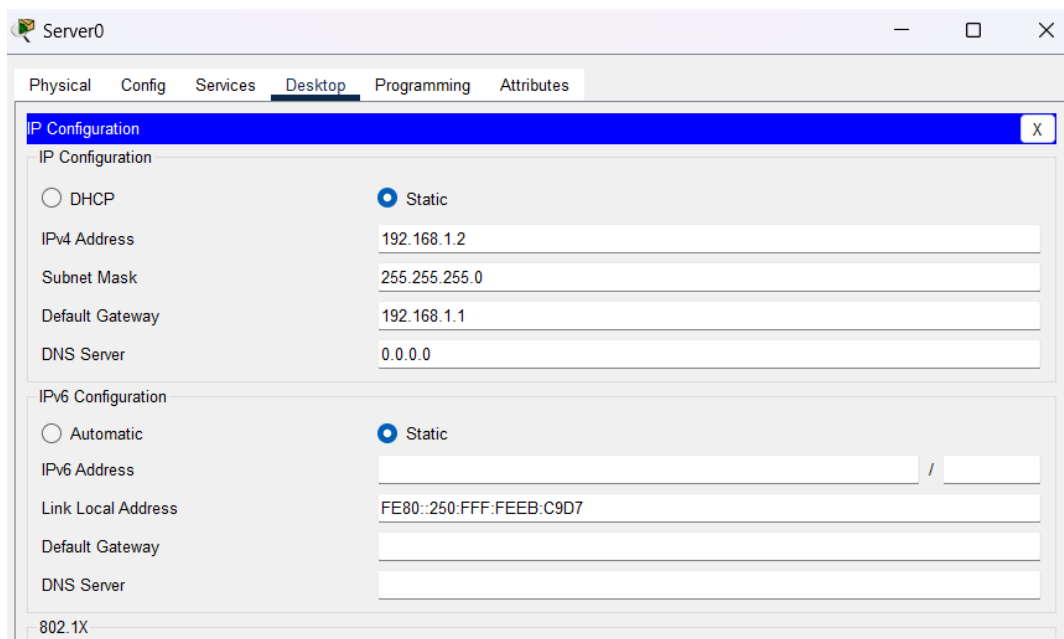
- Installare e configurare un server DHCP su Cisco Packet Tracer
- Configurare il server per assegnare indirizzi IP in un range specifico

Svolgimento

Seleziono il server, lo switch e i PC che utilizzerò nella rete 192.168.1.0/24. Collego il server e i PC allo switch tramite cavi in rame straight-through.



Configuro il server DHCP. Anzitutto, attribuisco l'indirizzo IP 192.168.1.2, con IP gateway 192.168.1.1



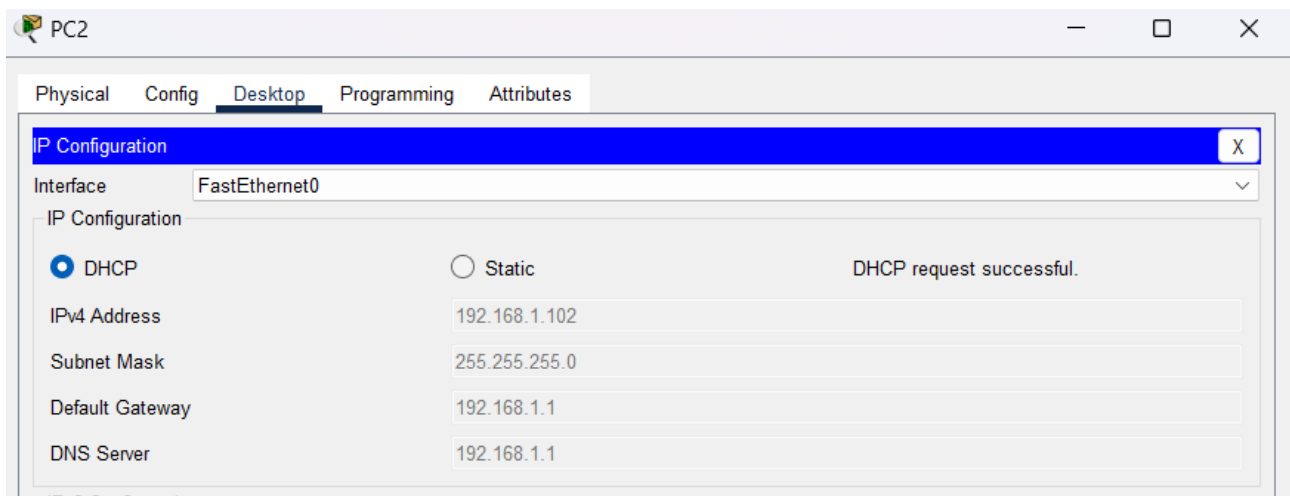
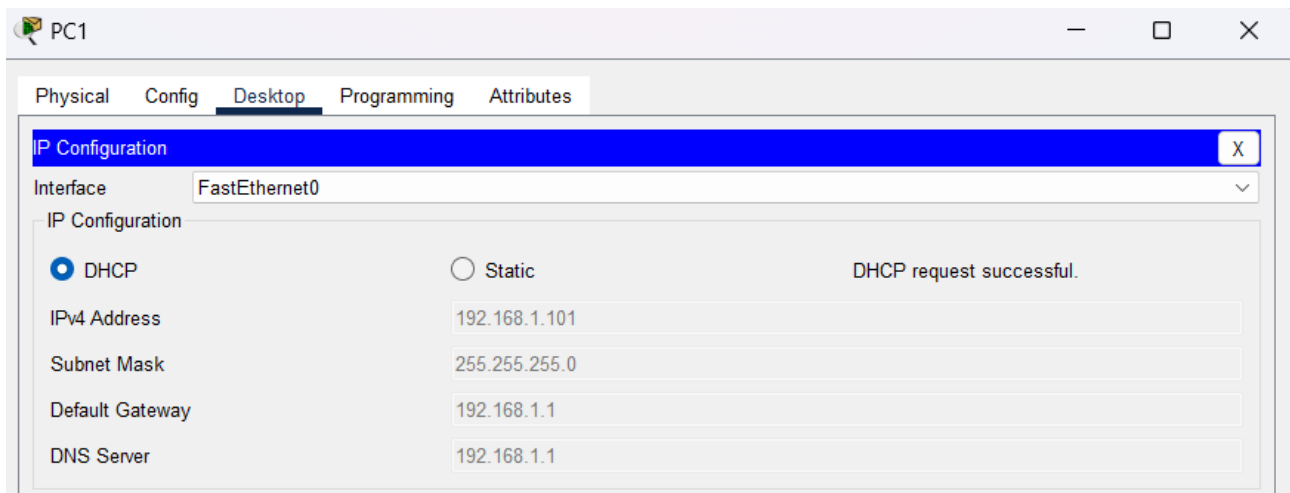
Attivo il servizio DHCP e inserisco come stabilisco da quale pool di indirizzi IP voglio che siano attribuiti gli indirizzi IP ai PC. In questo caso ho scelto il pool che inizia da 192.168.1.100

The screenshot shows the 'Server0' configuration window with the 'Services' tab selected. The 'DHCP' service is configured for the 'FastEthernet0' interface. The 'Service' is set to 'On'. The 'Pool Name' is 'serverPool'. The 'Default Gateway' is '192.168.1.1'. The 'DNS Server' is '192.168.1.1'. The 'Start IP Address' is '192.168.1.100'. The 'Subnet Mask' is '255.255.255.0'. The 'Maximum Number of Users' is '156'. The 'TFTP Server' is '0.0.0.0'. The 'WLC Address' is '0.0.0.0'. A table at the bottom lists the configured DHCP pool.

Pool Name	Default Gateway	DNS Server	Start IP Address	Subnet Mask	Max User	TFTP Server	WLC Address
serverPool	192.168.1.1	192.168.1.1	192.168.1.100	255.255.255.0	156	0.0.0.0	0.0.0.0

Infine, configuro i PC in modo che l'attribuzione degli indirizzi IP avvenga tramite DHCP

The screenshot shows the 'PC0' configuration window with the 'Desktop' tab selected. The 'IP Configuration' section is expanded. The 'Interface' is 'FastEthernet0'. The 'IP Configuration' is set to 'DHCP'. The 'IPv4 Address' is '192.168.1.100'. The 'Subnet Mask' is '255.255.255.0'. The 'Default Gateway' is '192.168.1.1'. The 'DNS Server' is '192.168.1.1'. A message 'DHCP request successful.' is displayed.



Il server DHCP riesce ad assegnare correttamente gli indirizzi IP ai PC attingendo al pool indicato.