Short technical report

A.1) IP Addressing Table

Device	Interface	IP Address	Subnet Mask	Default Gateway	Description / Notes
HQ-Router	G0/0/0 (LAN)	10.1.10.1	255.255.255.0	N/A	HQ LAN Gateway
	S0/1/0 (WAN)	192.168.100.1	255.255.255.252	N/A	WAN to Branch A (DCE)
	S0/1/1 (WAN)	192.168.100.5	255.255.255.252	N/A	WAN to Branch B (DCE)
HQ-Switch	VLAN 1	10.1.10.2	255.255.255.0	10.1.10.1	Management IP
HQ-Server	NIC	10.1.10.11	255.255.255.0	10.1.10.1	DNS, Web, DHCP Server
BR-A-Router	G0/0 (LAN)	172.16.1.1	255.255.255.0	N/A	Branch A LAN Gateway
	S0/0/0 (WAN)	192.168.100.2	255.255.255.252	N/A	WAN to HQ
BR-A-Switch	VLAN 1	172.16.1.2	255.255.255.0	172.16.1.1	Management IP
BR-B-Router	G0/0 (LAN)	172.16.2.1	255.255.255.0	N/A	Branch B LAN Gateway
	S0/0/0 (WAN)	192.168.100.6	255.255.255.252	N/A	WAN to HQ
BR-B-Switch	VLAN 1	172.16.2.2	255.255.255.0	172.16.2.1	Management IP

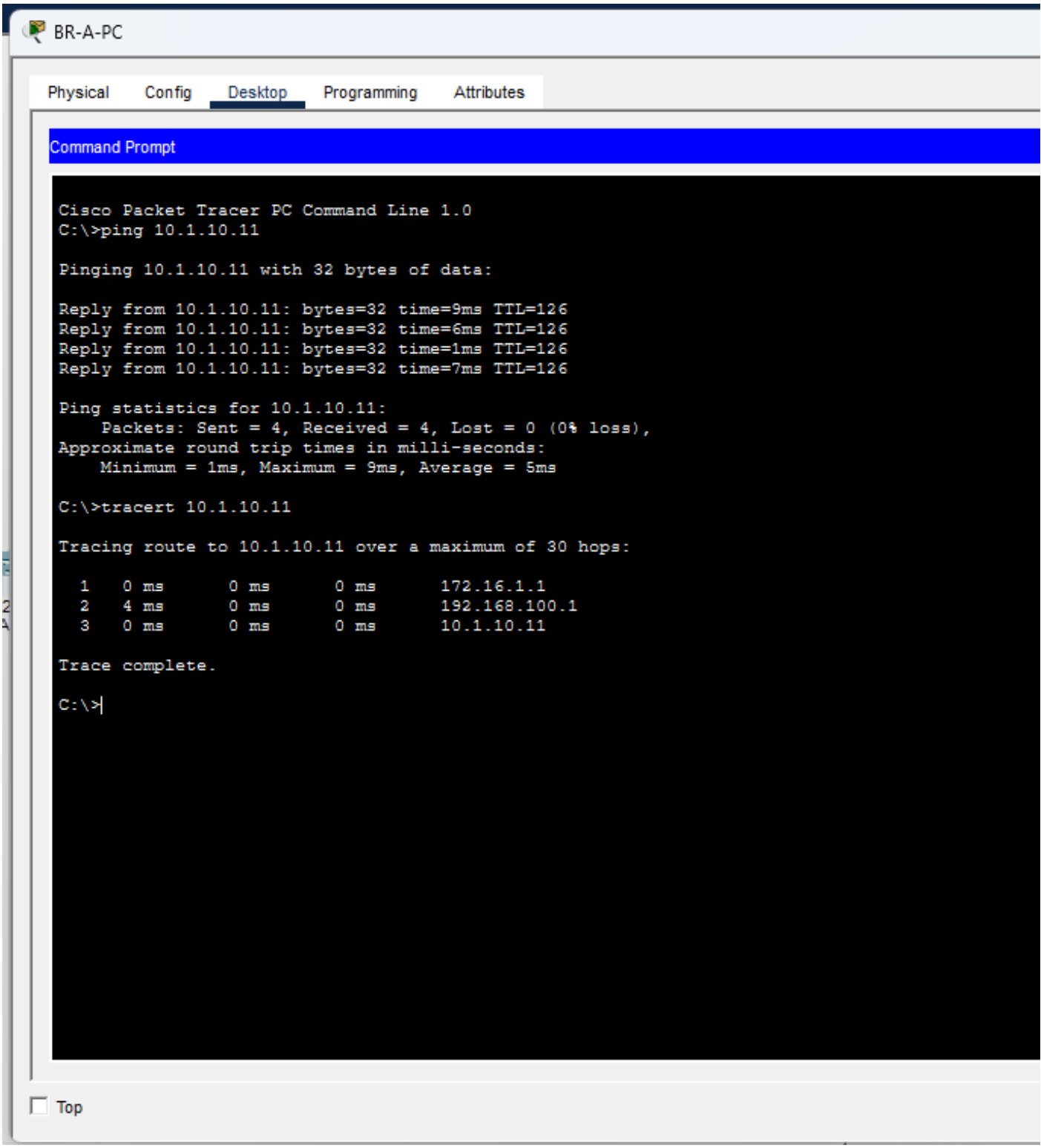
Short technical report

A.2) DHCP Configuration Ranges

Pool Name	Network	Start IP Address	End IP Address	Default Gateway	DNS Server
serverPool (HQ)	10.1.10.0/24	**10.1.10.21**	10.1.10.200	10.1.10.1	10.1.10.11
Branch_A_Pool	172.16.1.0/24	**172.16.1.10**	172.16.1.254	172.16.1.1	10.1.10.11
Branch_B_Pool	172.16.2.0/24	**172.16.2.10**	172.16.2.254	172.16.2.1	10.1.10.11

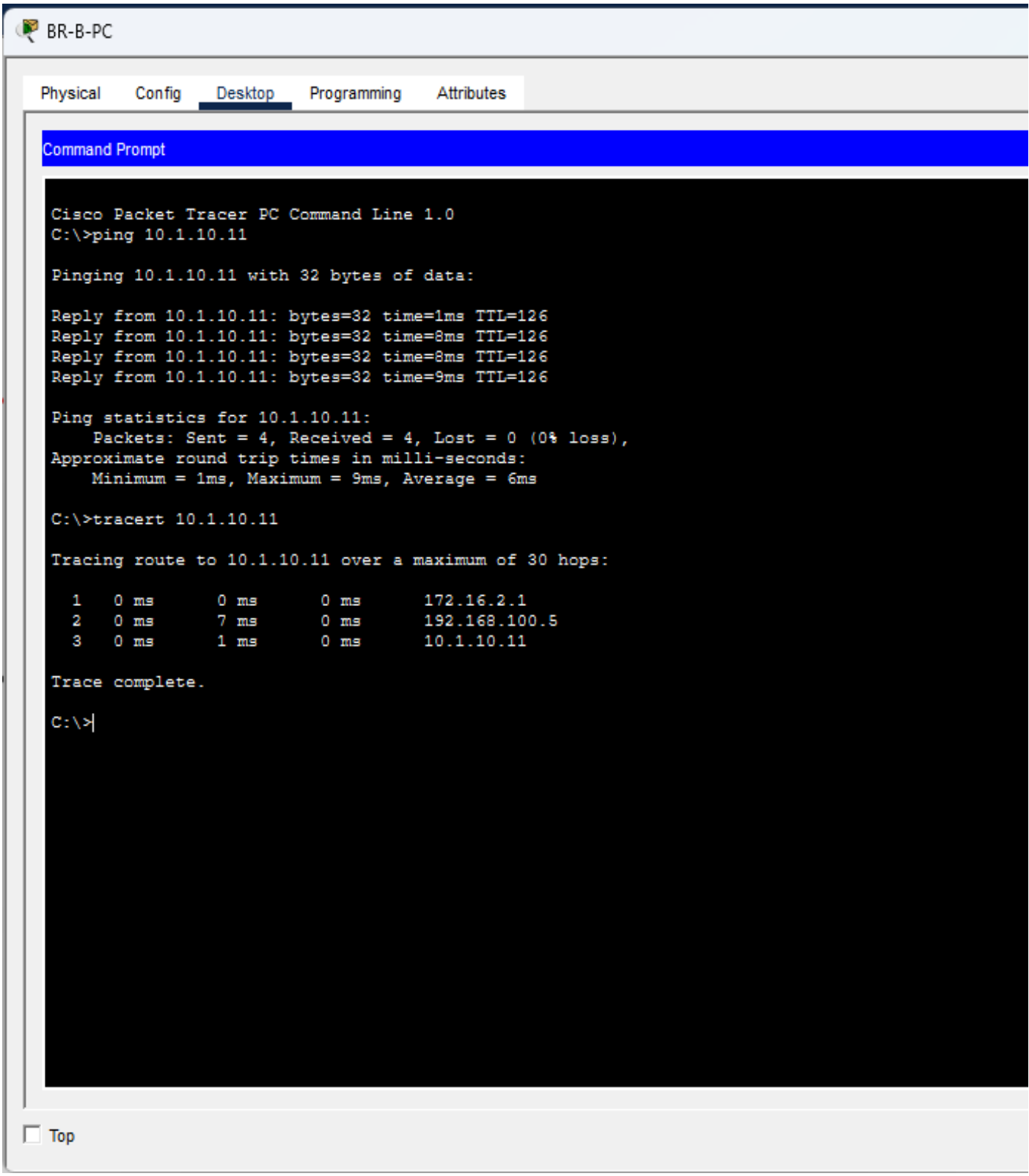
Short technical report

B) Connectivity Tests PC-A



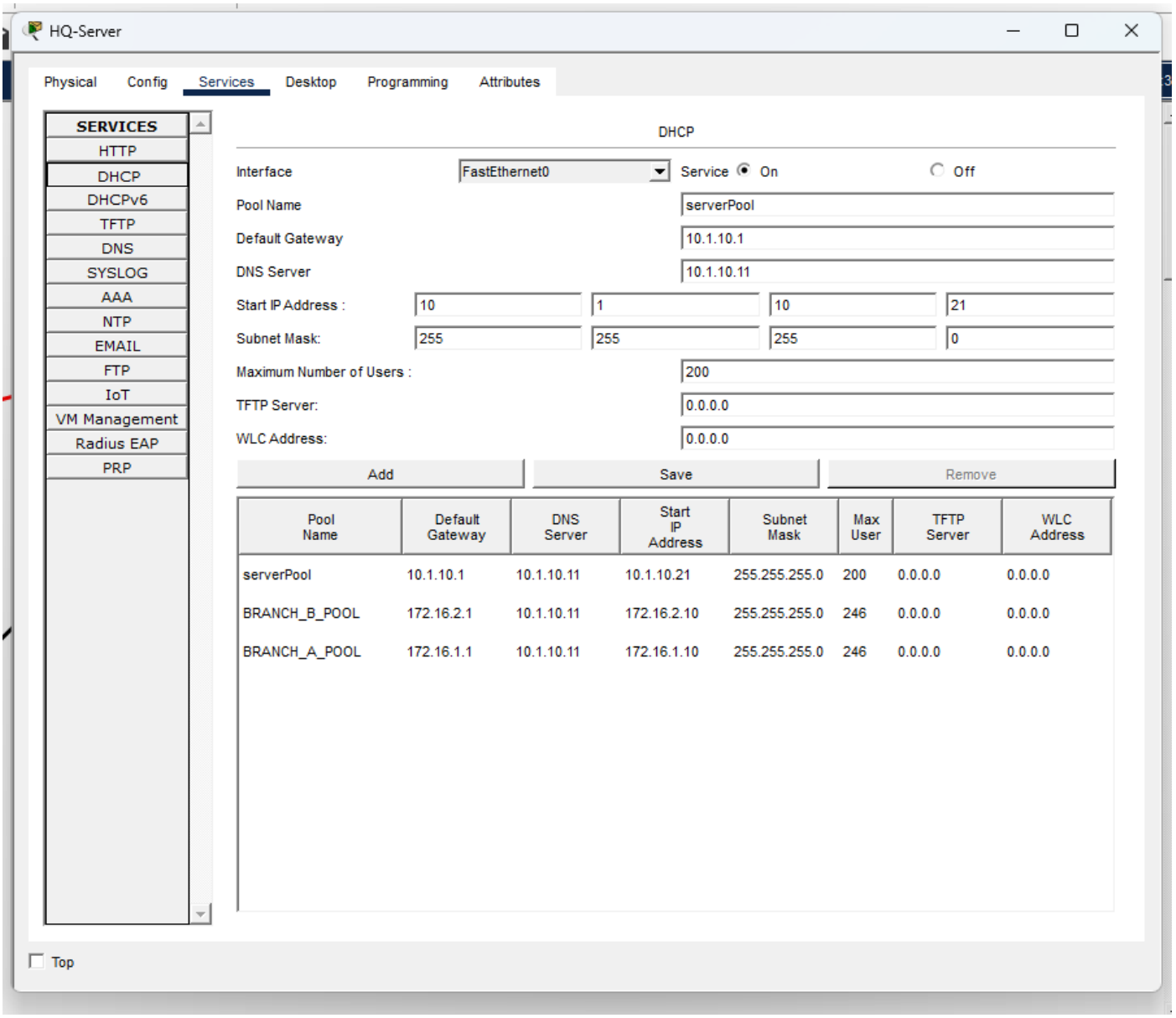
Short technical report

B) Connectivity Tests PC-B



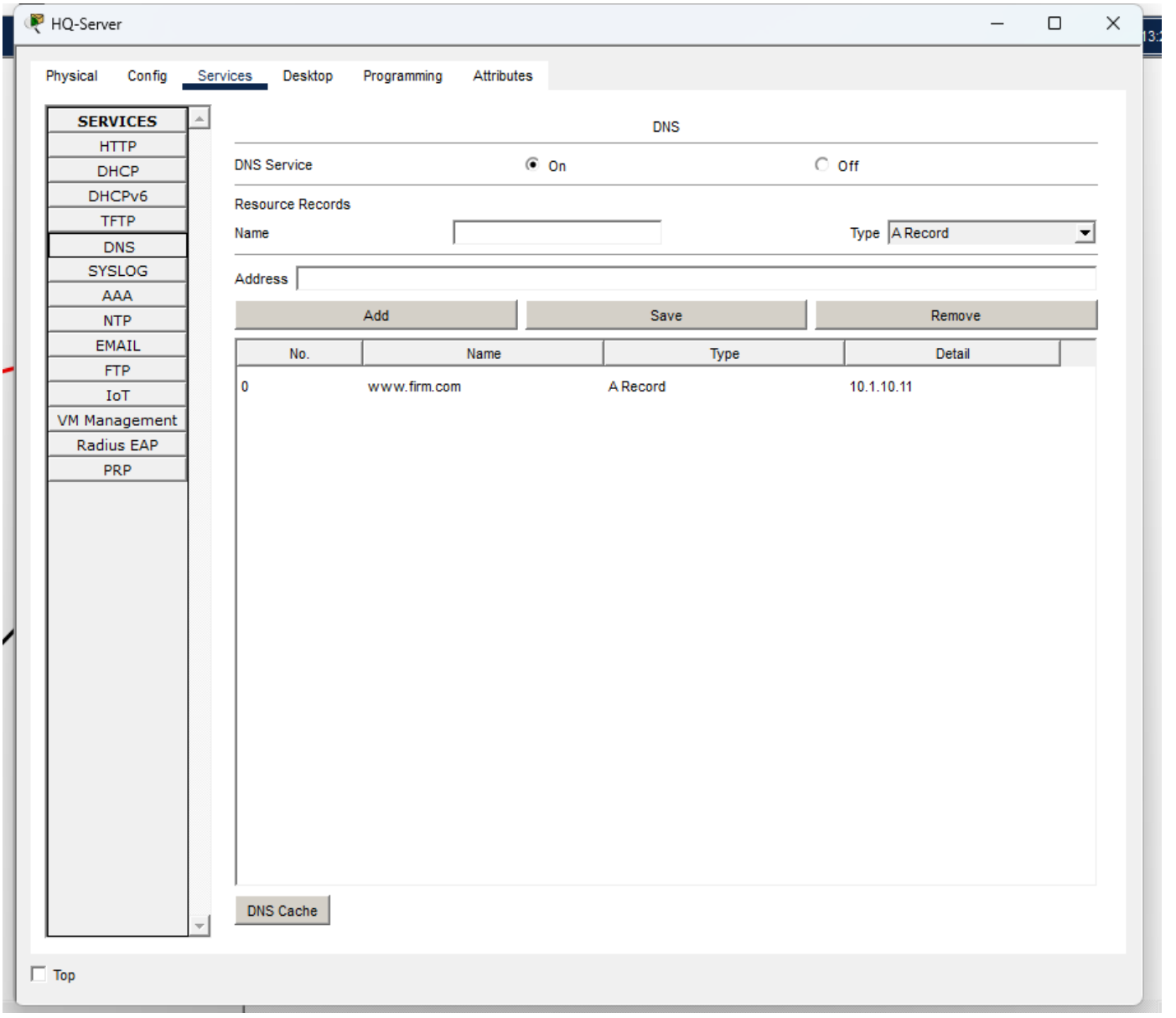
Short technical report

C) Dhcp server configuration screenshoot



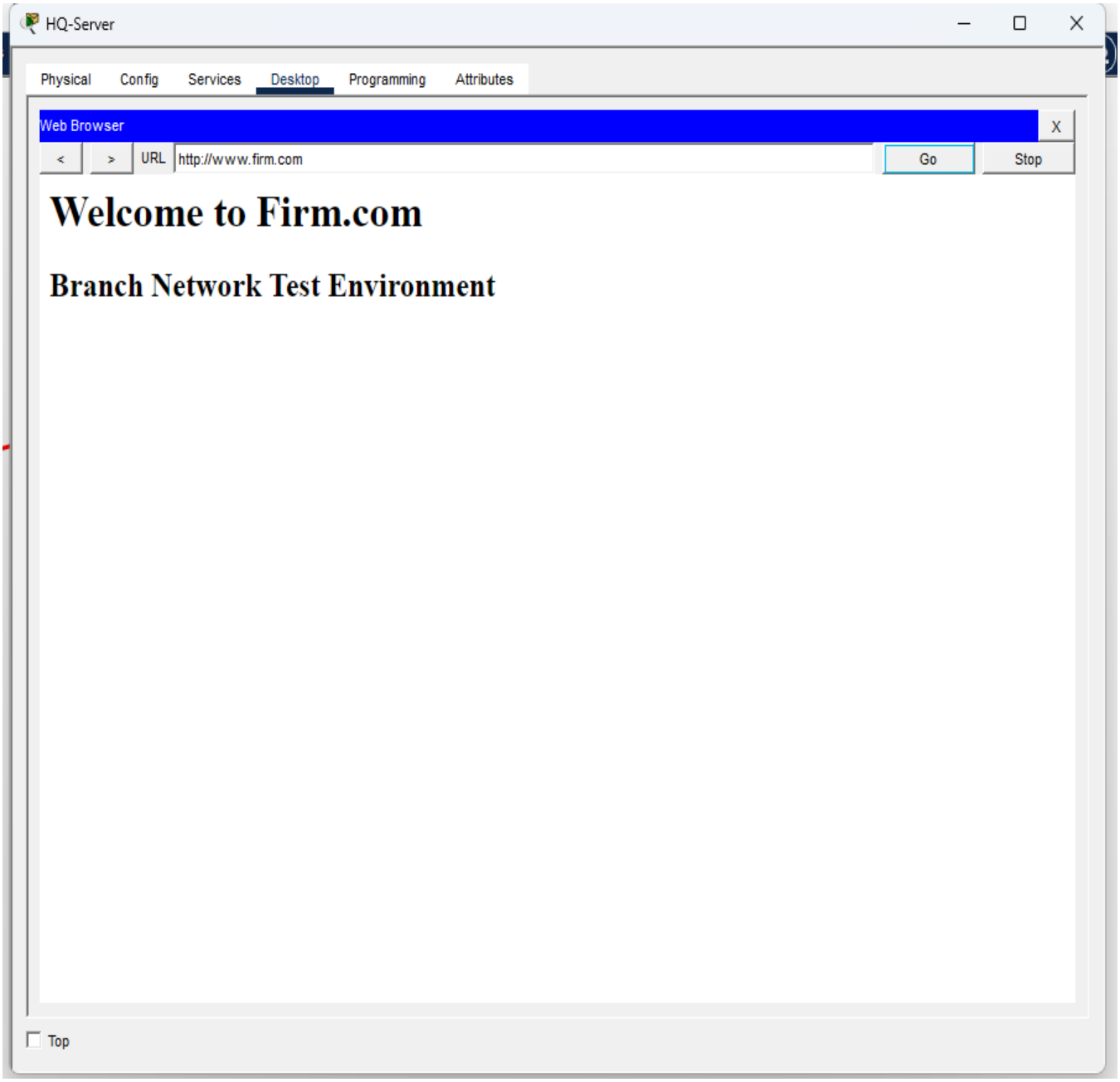
Short technical report

D) DNS server service configuration screenshoot



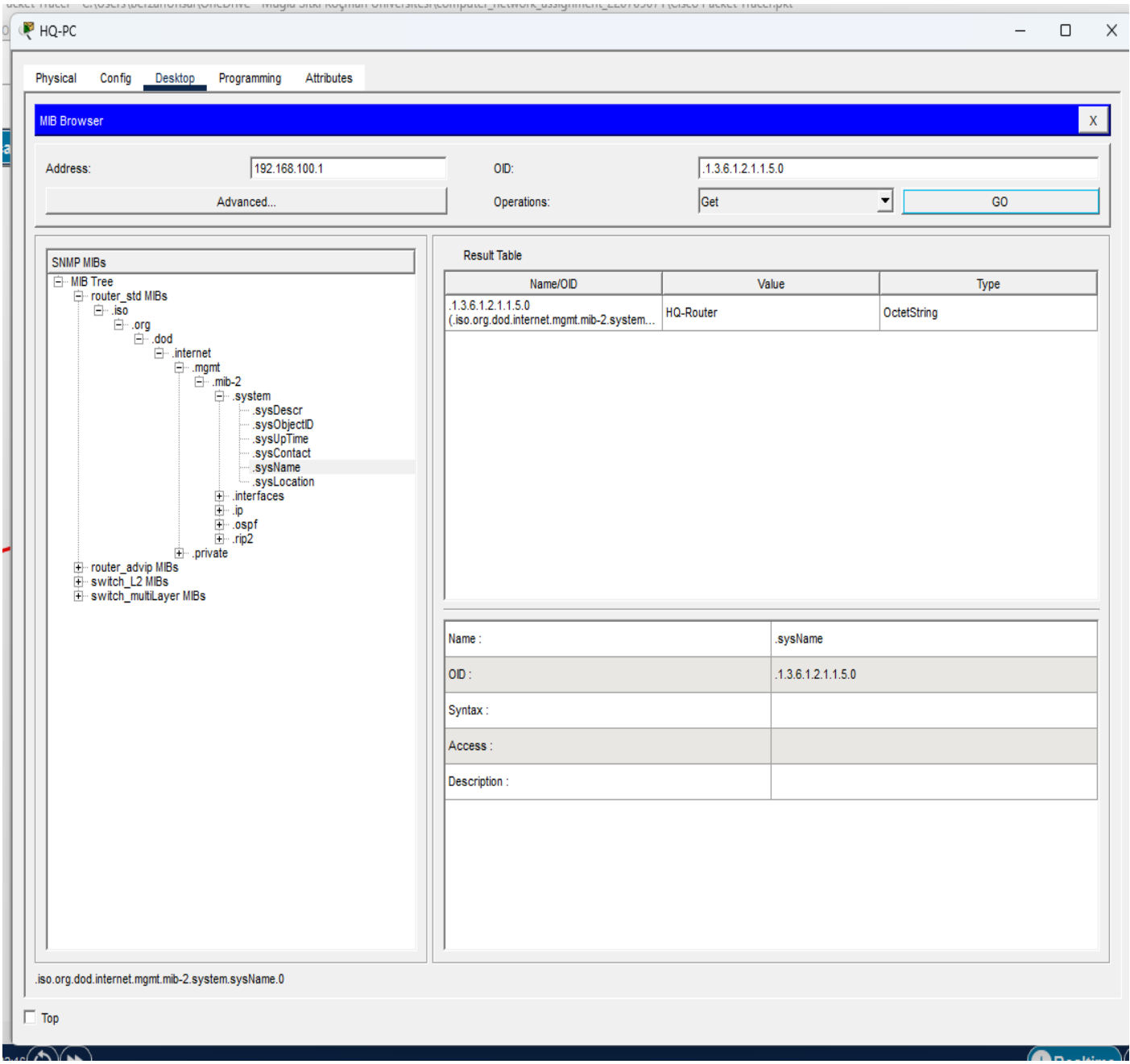
Short technical report

E) web server service configuration screenshoot



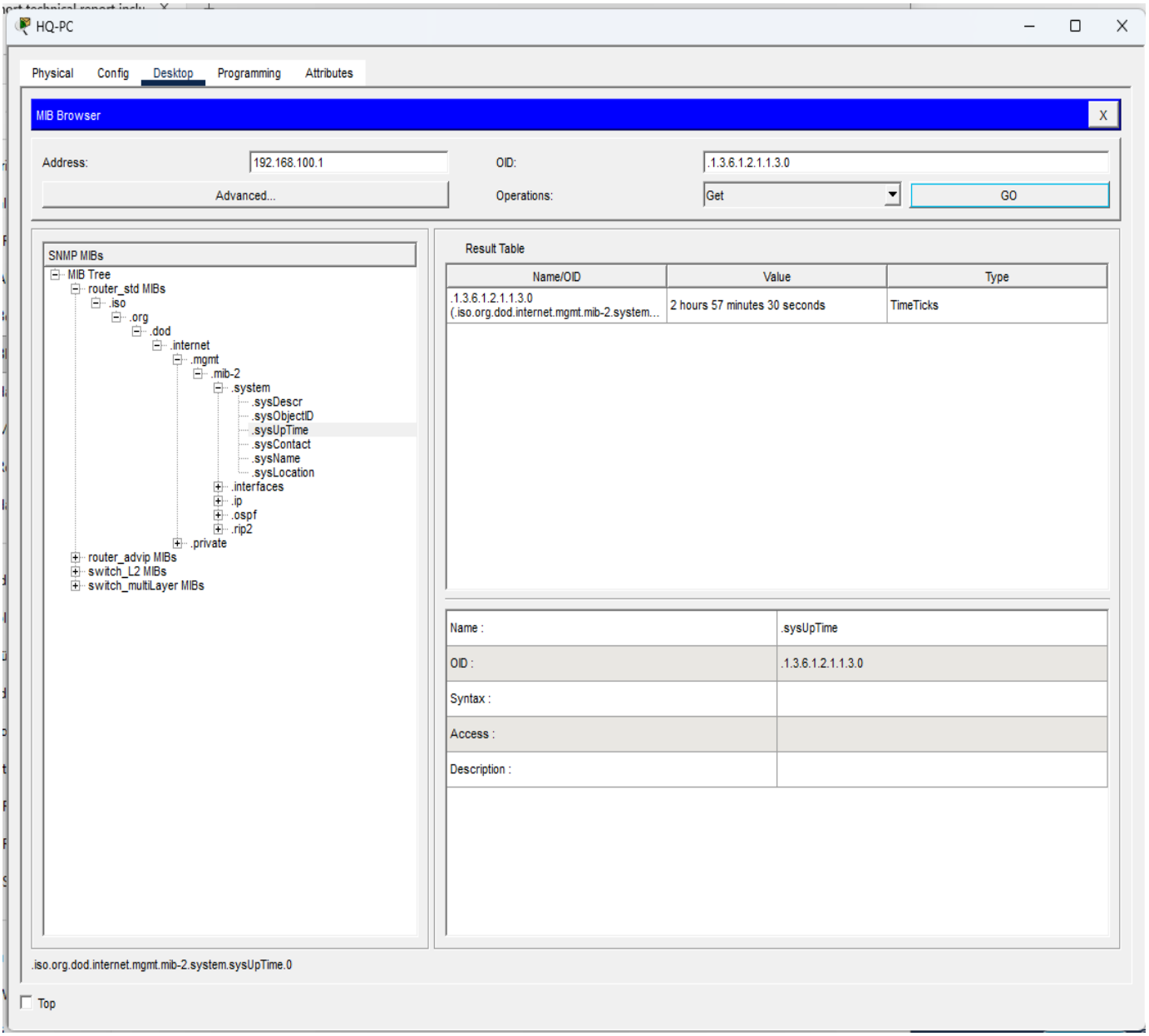
Short technical report

F) Successful SNMP polling with SNMP mib browser screenshot sysName



Short technical report

F) Successful SNMP polling with SNMP mib browser screenshot sysUpTime



Short technical report

F) Successful SNMP polling with SNMP mib browser screenshot ifDescr