

Department of Artificial Intelligence & Data Science

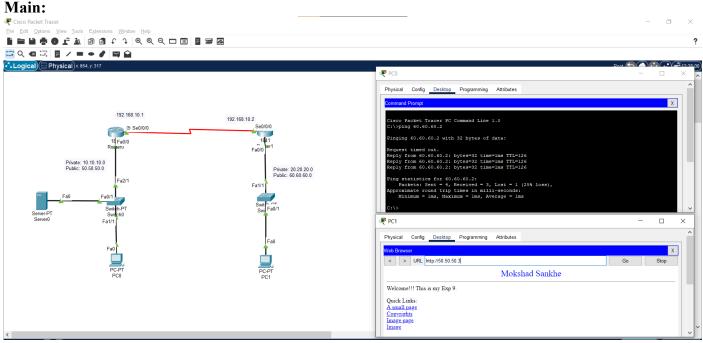
Experiment 9

Aim: To configure and verify Static NAT translation

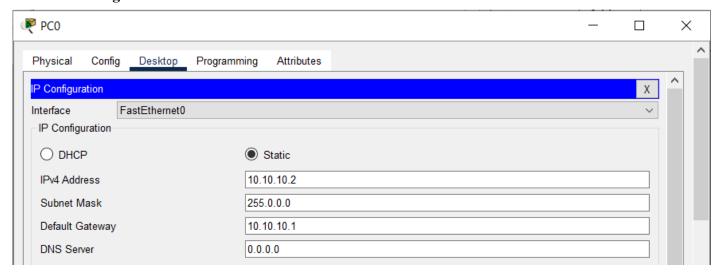
Theory:

Network address translation (NAT) is a method of mapping an IP address space into another by modifying network address information in the IP header of packets while they are in transit across a traffic routing device. The technique was originally used to bypass the need to assign a new address to every host when a network was moved, or when the upstream Internet service provider was replaced, but could not route the networks address space. Create a network topology as shown below in Cisco packet tracer.

Output:



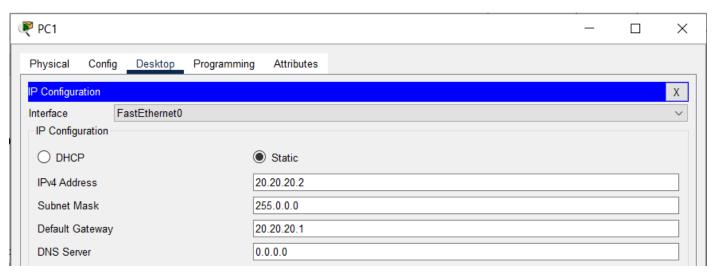
PC IPv4 Configuration:



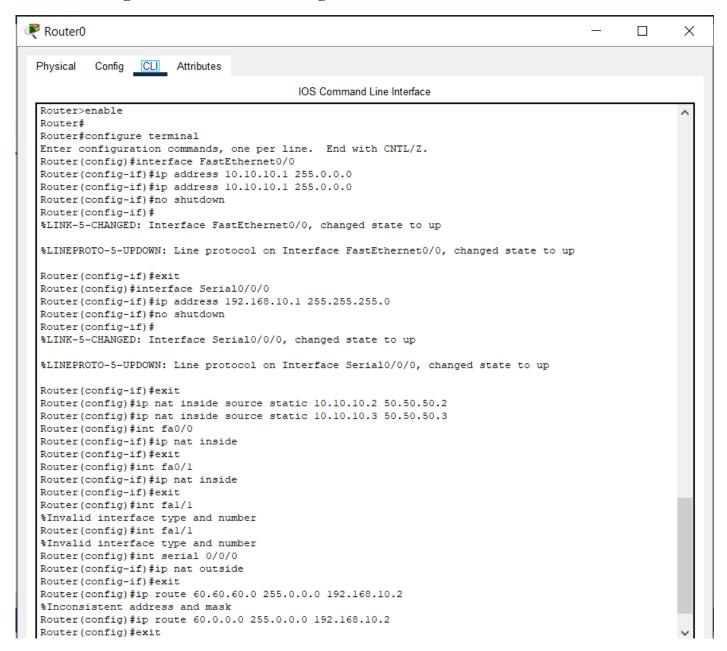
CSL501: Web Computing and Network Lab



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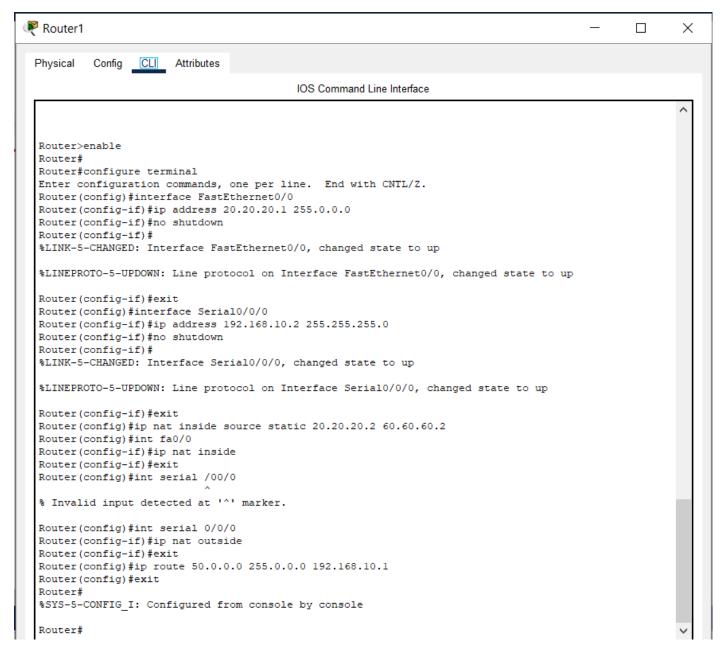
PC1 IPv4 Configuration: Router0 CLI Configuration:



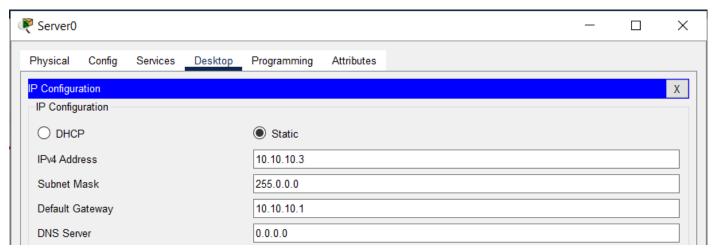


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Router1 CLI Configuration:



Server Configuration:

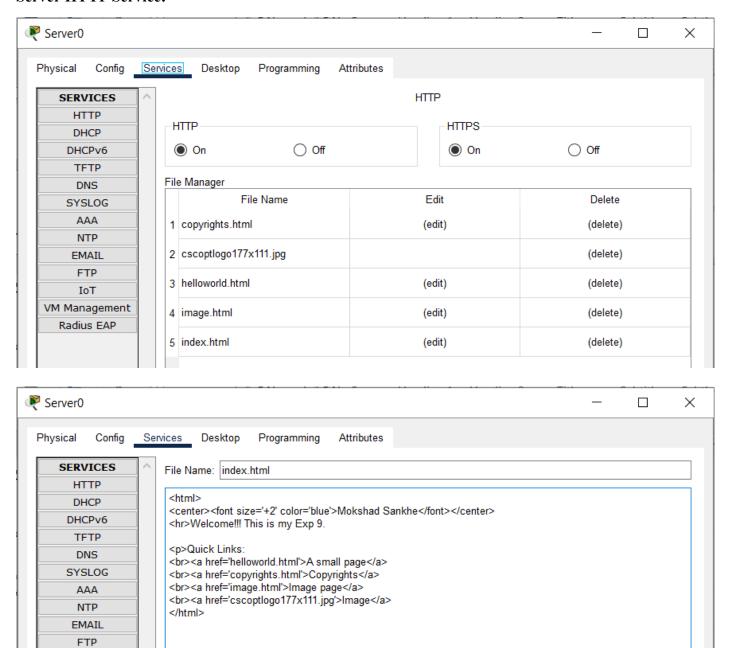


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Server HTTP Service:



Conclusion:

IoT VM Management Radius EAP

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