# Adding Services



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### Module Goals



Add Port Forwarding NAT for Internet access to web server at 10.0.80.80

Add ACL to protect web server



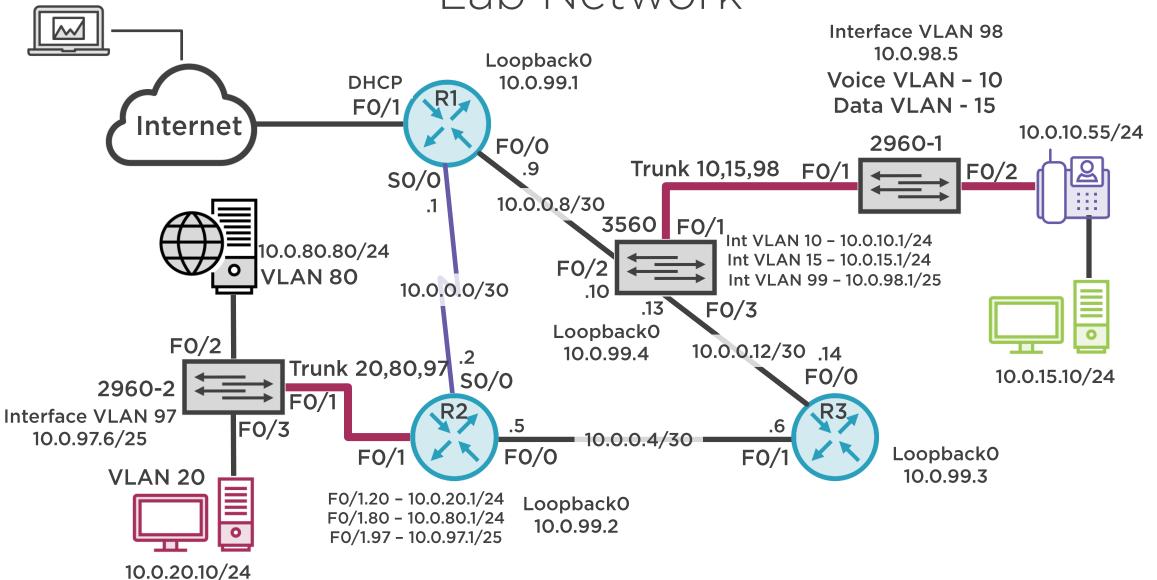
# Adding Services



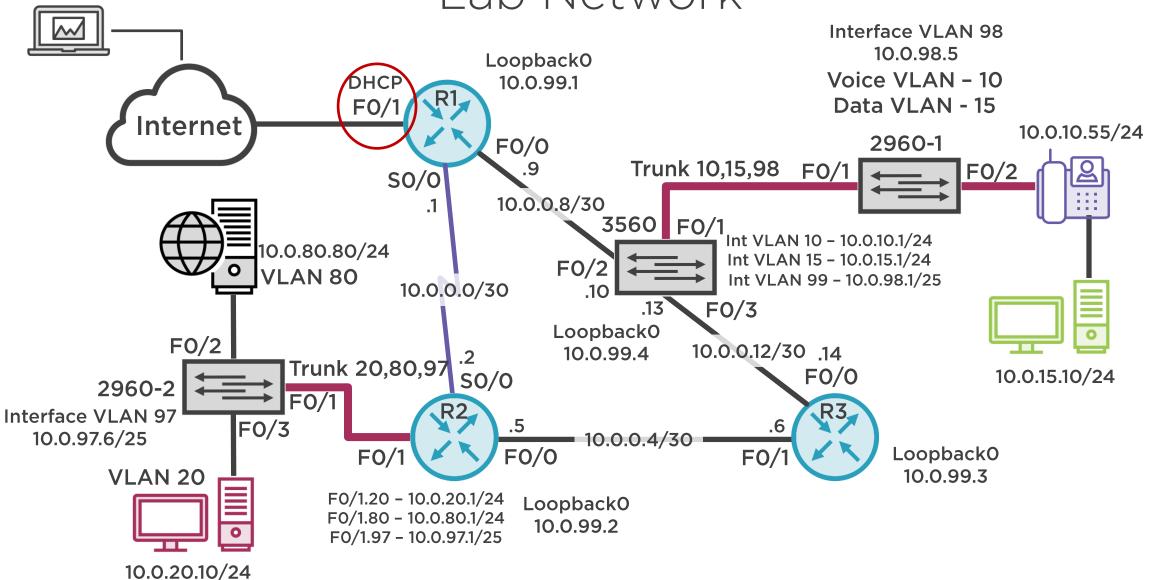


Add port forwarding NAT rule to R1 allow access to Web Server on VLAN 80

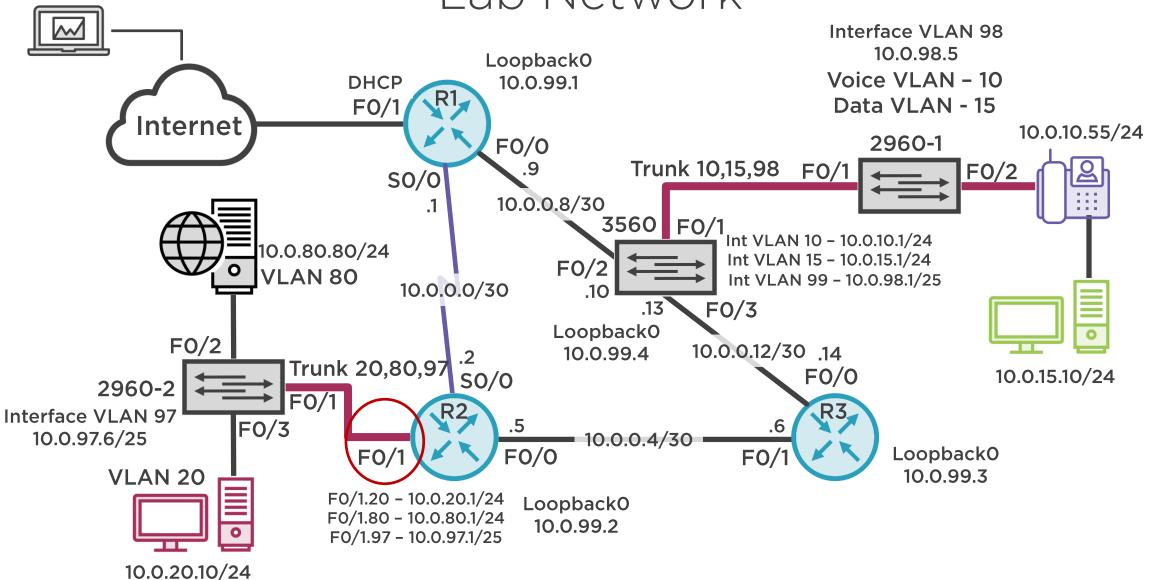




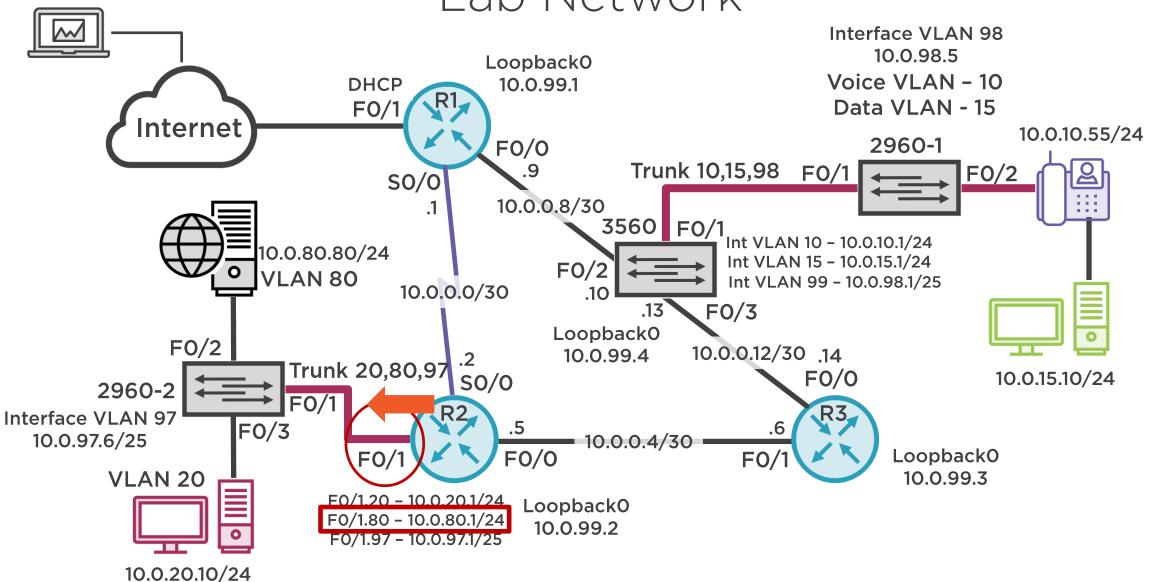




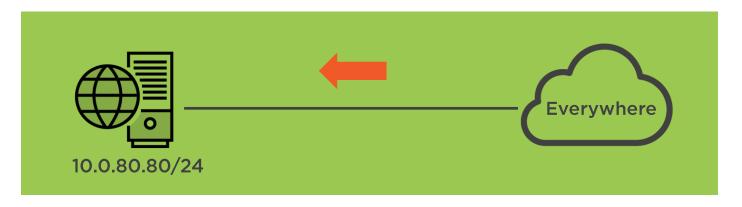




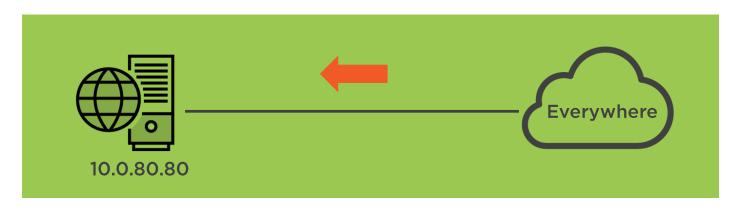




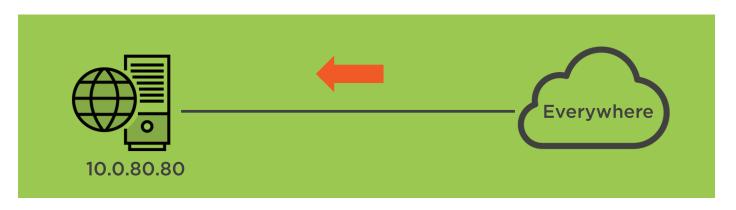




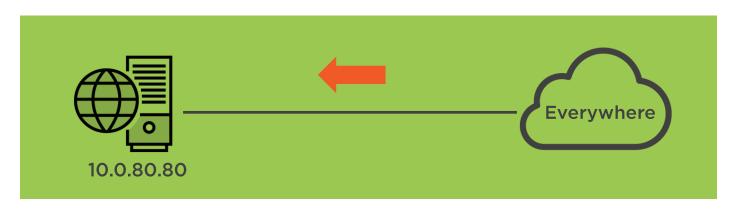




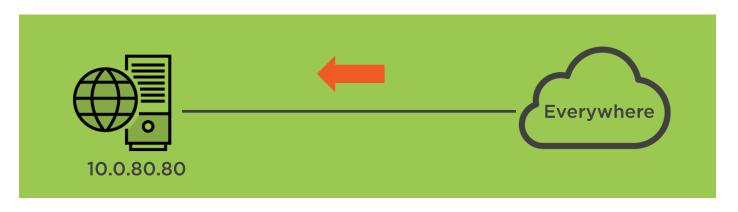
Permit/ Deny	Protocol	Source IP	Source Port	Destination IP	Destination Port



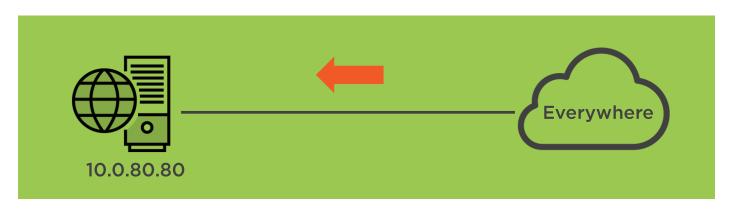
Permit/ Deny	Protocol	Source IP	Source Port	Destination IP	Destination Port
permit					



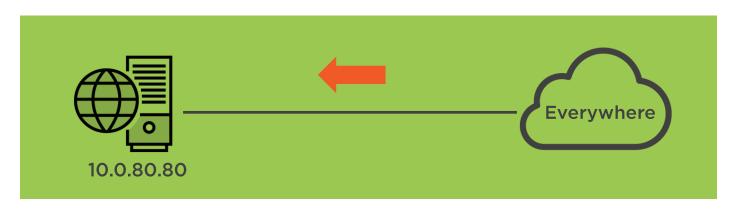
Permit/ Deny	Protocol	Source IP	Source Port	Destination IP	Destination Port
permit	tcp				



Permit/ Deny	Protocol	Source IP	Source Port	Destination IP	Destination Port
permit	tcp	any			

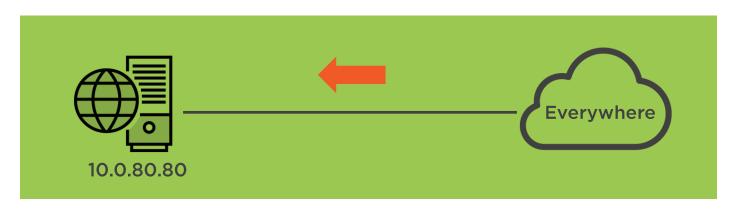


Permit/ Deny	Protocol	Source IP	Source Port	Destination IP	Destination Port
permit	tcp	any	any		

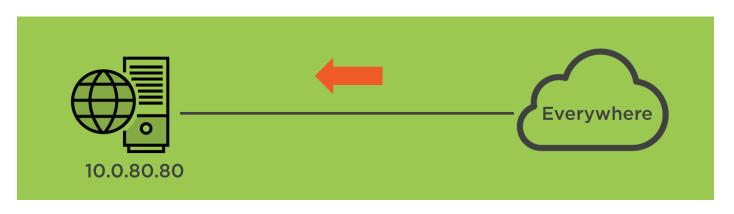


Permit/ Deny	Protocol	Source IP	Source Port	Destination IP	Destination Port
permit	tcp	any	any	10.0.80.80	





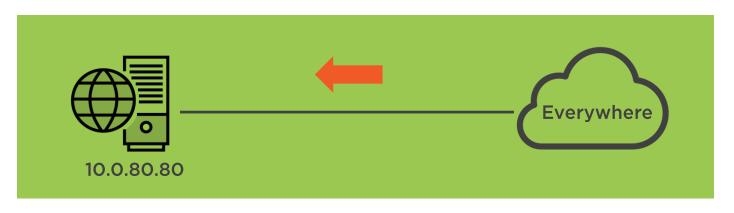
Permit/ Deny	Protocol	Source IP	Source Port	Destination IP	Destination Port
permit	tcp	any	any	10.0.80.80	80



Permit/ Deny	Protocol	Source IP	Source Port	Destination IP	Destination Port
permit	tcp	any	any	10.0.80.80	80
deny	ip	any		any	



#### Add ACL to allow access to Web Server ONLY on port 80



ip access-list extended WebFilter permit tcp any host 10.0.80.80 eq 80 deny ip any any

Permit/ Deny	Protocol	Source IP	Source Port	Destination IP	Destination Port
permit	tcp	any	any	10.0.80.80	80
deny	ip	any		any	

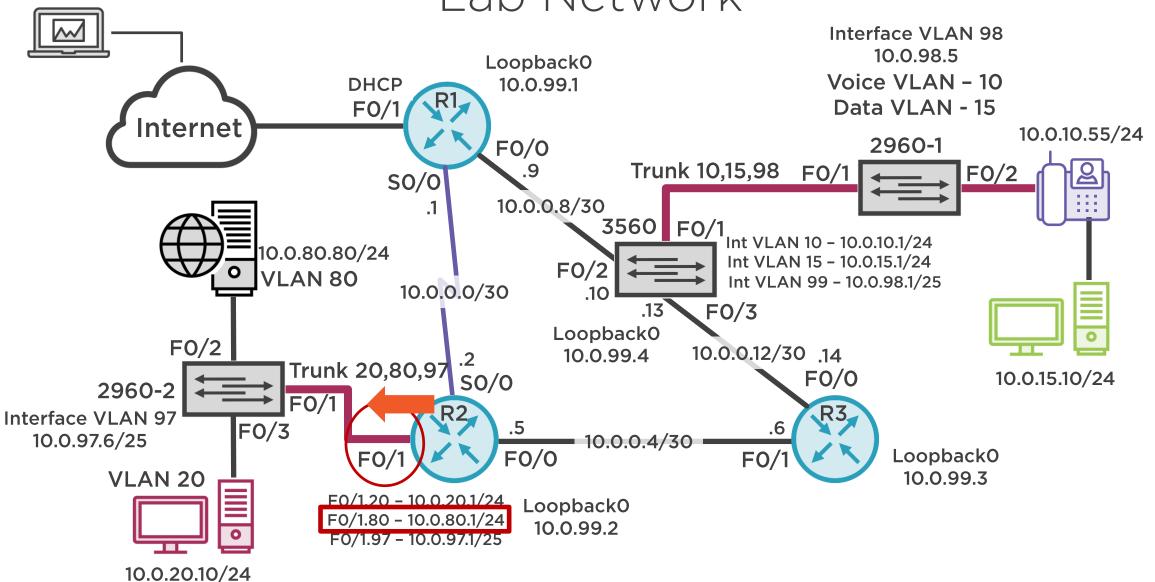




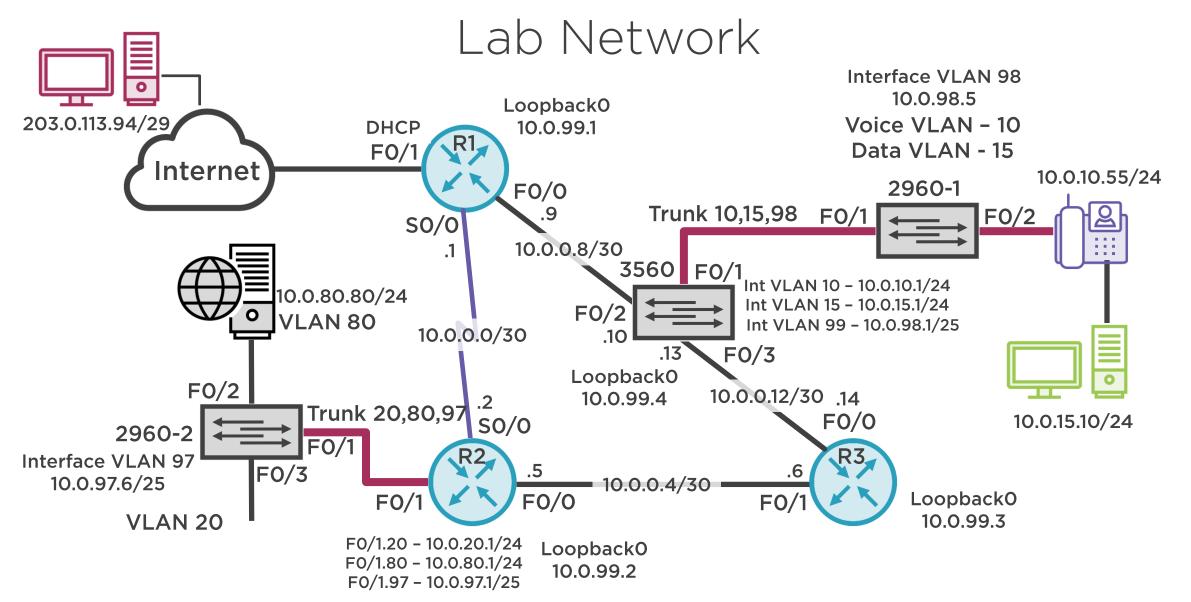
#### **Tasks**

- Configure PAT on R1
- Test access to Web Server from Internet
- Configure ACL on R2
- Test access to Web Server from inside network
- Test access to Web Server from Internet











### Summary



Add Port Forwarding NAT for Internet access to web server at 10.0.80.80

Add ACL to protect web server

