

Palo Alto Firewall Homework





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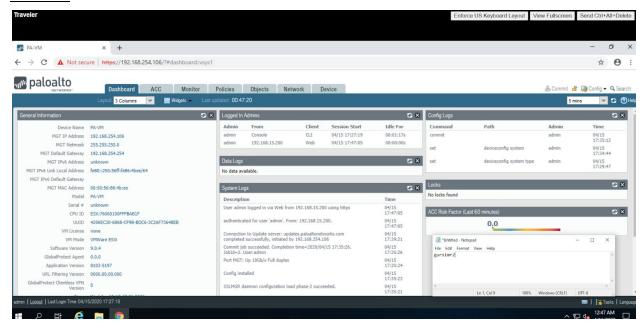


```
admin@PA-UM> ping host 8.8.8.8
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=50 time=14.0 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=50 time=13.9 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=50 time=13.9 ms
64 bytes from 8.8.8.8: icmp seq=4 ttl=50 time=14.0 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=50 time=14.0 ms
64 bytes from 8.8.8.8: icmp_seq=6 ttl=50 time=13.7 ms
64 bytes from 8.8.8.8: icmp_seq=7 ttl=50 time=13.9 ms
64 bytes from 8.8.8.8: icmp_seq=8 ttl=50 time=13.9 ms
64 bytes from 8.8.8.8: icmp_seq=9 ttl=50 time=13.9 ms
64 bytes from 8.8.8.8: icmp_seq=10 ttl=50 time=13.9 ms
64 butes from 8.8.8.8: icmp seg=11 ttl=50 time=13.9 ms
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=50 time=14.1 ms 64 bytes from 8.8.8.8: icmp_seq=2 ttl=50 time=13.9 ms 64 bytes from 8.8.8.8: icmp_seq=3 ttl=50 time=13.8 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=50 time=13.9 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=50 time=13.9 ms
64 bytes from 8.8.8.8: icmp_seq=6 ttl=50 time=13.9 ms
64 bytes from 8.8.8.8: icmp_seq=7 ttl=50 time=13.9 ms
64 bytes from 8.8.8.8: icmp_seq=8 ttl=50 time=13.9 ms
64 bytes from 8.8.8.8: icmp_seq=9 ttl=50 time=13.9 ms
64 bytes from 8.8.8.8: icmp_seq=10 ttl=50 time=13.7 ms
64 bytes from 8.8.8.8: icmp_seq=11 ttl=50 time=13.7 ms 64 bytes from 8.8.8.8: icmp_seq=12 ttl=50 time=13.7 ms 64 bytes from 8.8.8.8: icmp_seq=13 ttl=50 time=13.7 ms 64 bytes from 8.8.8.8: icmp_seq=13 ttl=50 time=13.7 ms
                                                                "Untitled - Notepad
                                                                 File Edit Format View Help
                                                                 gursimr2
64 bytes from 8.8.8.8: icmp_seq=14 ttl=50 time=13.7 ms
^c
--- 8.8.8.8 ping statistics ---
                                                                                100% Wir
14 packets transmitted, 14 received, 0% packet loss, time 13012
```

Proving Connection between Firewall and 8.8.8.8

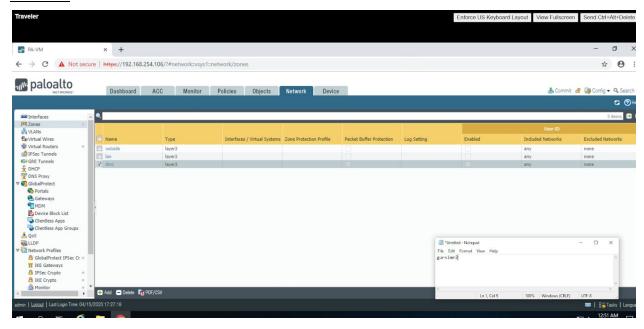
rtt min/avg/max/mdev = 13.777/13.883/14.105/0.120 ms





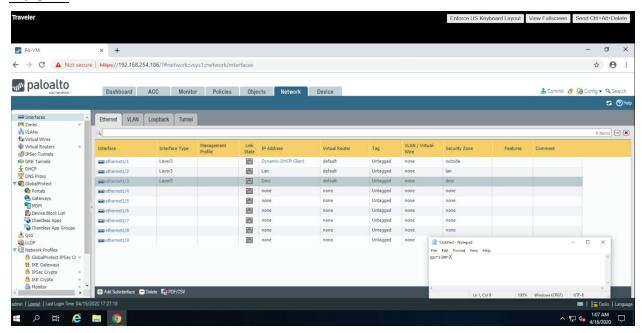
Palo Alto Firewall Landing Page upon first login





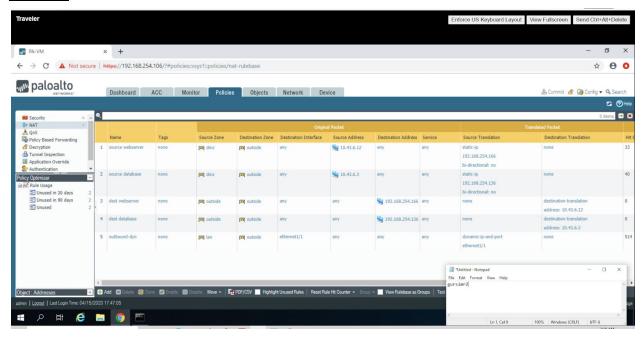
Setting Up Zones





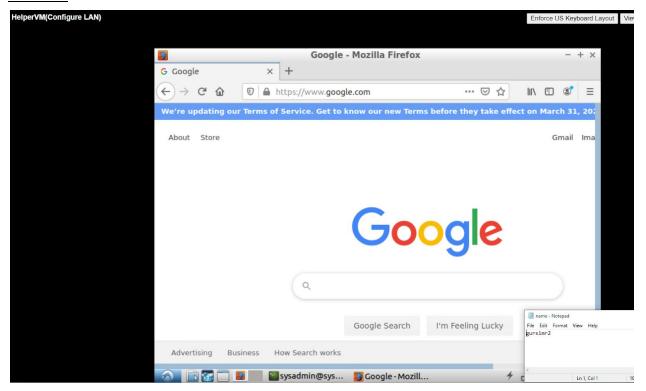
Setting Up Interfaces





Creating NAT Policies





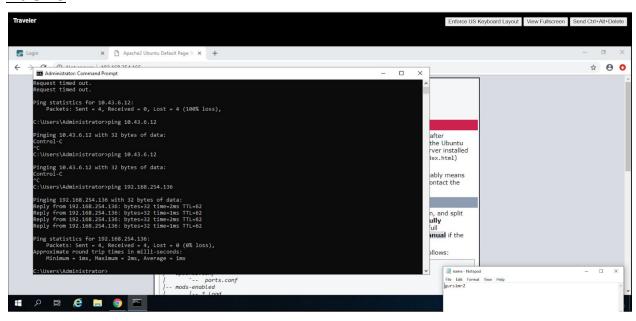
Checking Internet Connection





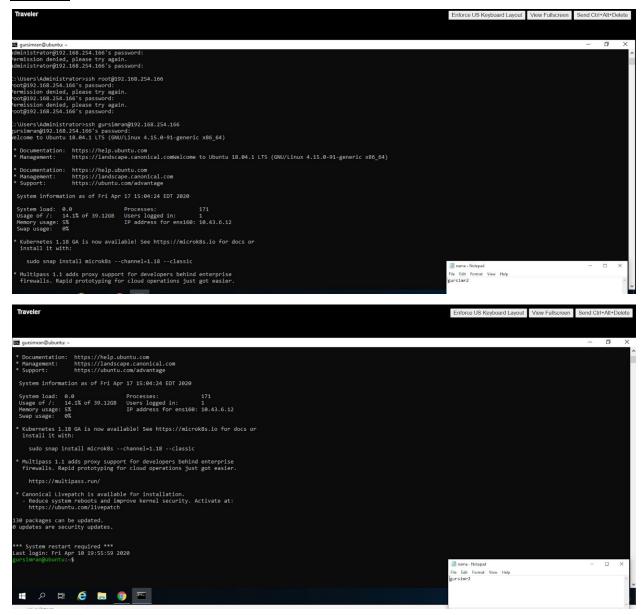
Connecting to webserver using publicIP from outside zone.





Pinging to Database Server to check Connectivity.

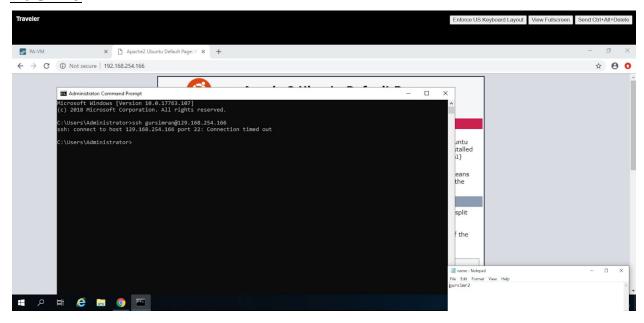




SSH into Webserver with a user(or root if permitted) and getting the remote shell to check ssh working.

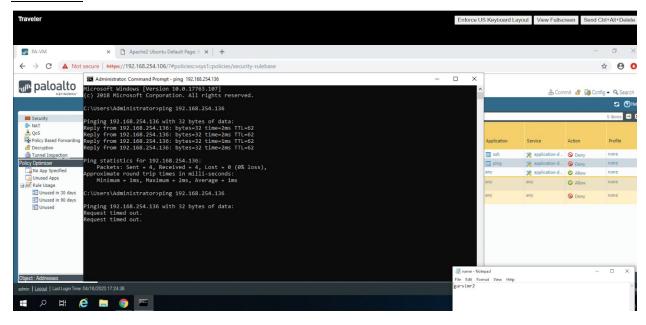


<u>Task10</u>

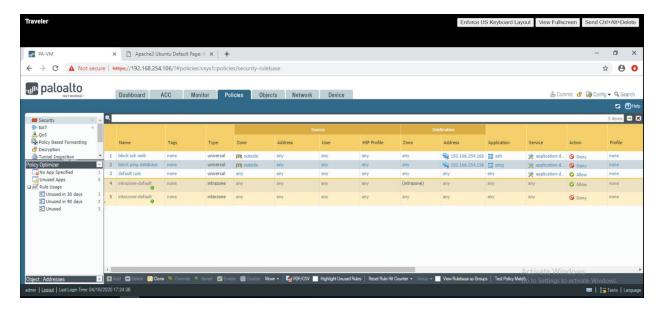


SSH Blocked from outside to Public IP of Webserver by Firewall



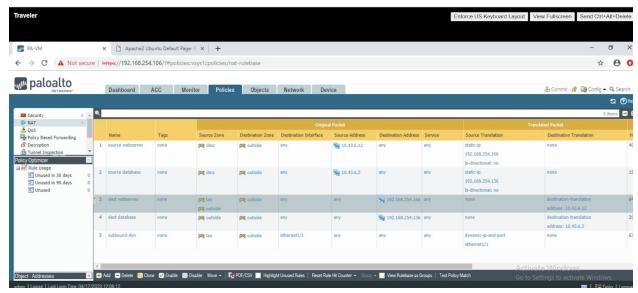


Blocked Ping to Database Server from Outside



Security Policies





Able to access webserver using public IP in LAN







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