Placement Empowerment Program

Cloud Computing and DevOps Centre

100 Days of DevOps Challenge

Day 13 : IPtables Installation And Configuration

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IPtables Installation And Configuration

Objective :

Secure Nautilus app servers by allowing only the **LBR host (172.16.238.14)** to access port **8086**, blocking all other incoming connections, and ensuring firewall rules persist after reboot.

Steps Performed :

- ☐ Installed iptables on all three app servers **(stapp01, stapp02, stapp03).**
- ☐ Flushed existing rules and applied new ones.
- ☐ Allowed only the **LBR host (172.16.238.14) on port 8086.**
- ☐ Blocked everyone else from port 8086.
- ☐ Allowed loopback and related/established connections.
- ☐ Saved and enabled rules for persistence.
- ☐ Verified rules with **iptables -L -n -v.**

End   ⏱ 00:10

✓
You're done!

CONGRATULATIONS!!!!

You have successfully completed the challenge.Results have been saved. Ref ID:680678bd5500bdf7ab9a7b2d

That might have been an easy task for you. But don't worry. Depending on the tasks you complete, you will get more difficult and advanced tasks assigned in the future.

You can also view your results in your dashboard under the "Active Practice" page.

Terminal 1   +   ■ Stop Lab

```
[banner@stapp03 ~]$ sudo iptables -L -n -v
Chain INPUT (policy ACCEPT 0 packets, 0 bytes)
 pkts bytes target     prot opt in     out     source               destination
    0     0 ACCEPT     tcp  --  *      *       172.16.238.14        0.0.0.0/0
tcp dpt:8086
    0     0 DROP       tcp  --  *      *       0.0.0.0/0            0.0.0.0/0
tcp dpt:8086
    7   484 ACCEPT     all  --  *      *       0.0.0.0/0            0.0.0.0/0
state RELATED,ESTABLISHED
    0     0 ACCEPT     all  --  lo     *       0.0.0.0/0            0.0.0.0/0

Chain FORWARD (policy ACCEPT 0 packets, 0 bytes)
 pkts bytes target     prot opt in     out     source               destination

Chain OUTPUT (policy ACCEPT 5 packets, 680 bytes)
 pkts bytes target     prot opt in     out     source               destination

Chain DOCKER (0 references)
 pkts bytes target     prot opt in     out     source               destination

Chain DOCKER-ISOLATION-STAGE-1 (0 references)
 pkts bytes target     prot opt in     out     source               destination

Chain DOCKER-ISOLATION-STAGE-2 (0 references)
 pkts bytes target     prot opt in     out     source               destination

Chain DOCKER-USER (0 references)
 pkts bytes target     prot opt in     out     source               destination
[banner@stapp03 ~]$
```


✓

Congrats!
You have completed the task successfully.

100 Days of DevOps

Day 13: IPtables Installation And C... ✓

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