CSC790 Project 3 Firewall

Shuwoen Wei

1. My iptables is as follows:

csuser1@vb-deb790-198:~/Server$ sudo /sbin/iptables -L -n

Chain INPUT (policy ACCEPT)

target prot opt source destination

DROP tcp -- 192.2.0.0/16 0.0.0.0/0

DROP tcp -- 192.7.1.120 0.0.0.0/0 tcp dpt:1902

DROP tcp -- 192.3.1.0/24 0.0.0.0/0 tcp dpt:1902

DROP tcp -- 192.3.2.0/24 0.0.0.0/0 STRING match "bad" ALGO name bm TO 65535 tcp dpt:1888

DROP tcp -- 192.3.2.0/24 0.0.0.0/0 STRING match "bad" ALGO name bm TO 65535 tcp dpt:1902

ACCEPT tcp -- 192.3.0.0/16 0.0.0.0/0 tcp dpt:1902

DROP tcp -- 192.1.2.0/24 0.0.0.0/0 tcp dpt:1888

LOG tcp -- 192.1.2.0/24 0.0.0.0/0 tcp dpt:1848 LOG flags 0 level 4

DROP tcp -- 192.1.1.120 0.0.0.0/0 STRING match "bad" ALGO name bm TO 65535 tcp dpt:1888

ACCEPT tcp -- 192.1.1.0/24 0.0.0.0/0 tcp dpt:1902

ACCEPT tcp -- 0.0.0.0/0 0.0.0.0/0 tcp dpt:1848

ACCEPT tcp -- 0.0.0.0/0 0.0.0.0/0 tcp dpt:1888

DROP tcp -- 0.0.0.0/0 0.0.0.0/0

Chain FORWARD (policy ACCEPT)

target prot opt source destination

Chain OUTPUT (policy ACCEPT)

target prot opt source destination

2. Descriptions:

Since the more recent rules should have precedence over older rules, then the first 3 rules are just to block 192.2.0.0/16 to all ports, block 192.7.1.120 and192.3.1.0/24 to port 1902.

The 4th and 5th rules are to block messages containing string “bad” from 192.3.2.0/24 to connect to port 1888 and port 1902.

The 6th rule is to allow 192.3.0.0/16 to have access to port 1902, while its access to port 1848 and 1888 are guaranteed by rule 12 and rule 13.

The 7th rule is to block 192.1.2.0/24 to port 1888.

The 8th rule is to log all the messages received by 192.1.2.0/24 to port 1848.

The 9th rules are to block messages containing string “bad” from 192.1.1.120 to connect to port 1888

The 10th rule is to give 192.1.1.0/24 access to port 1902, while its access to port 1848 and 1888 are guaranteed by rule 12 and rule 13.

The rule 12 and rule 13 give access to all external computers access to ports 1848 and port 1888 when the external computers don’t match any rule above.

The last rule is just a default deny.

Hi Good morning, George, how are you?

Thanks for taking the time speaking with me. I just went to take the urine drug screen.

I just have a few questions before accepting this offer, I am not asking, I am merely wondering that, is there a possibility for my compensation promotion? Since comparing to my other two offers, one offer is a java developer position in Princeton NJ and it gives me 64K per year, the other one is a software engineering in Charlotte NC and it gives me 60K per year. But I definitely like the predictive modeler position, firstly this is a job I like to do comparing to pure programmer, I like predictive modeling and I have some experience with it. Secondly my girlfriend will go to JHU this fall and we can stay together in Baltimore area. But, as you know, living expense in the big city Baltimore is a little bit higher than both Princeton and Charlotte, so I am just wondering whether is it possible to raise the salary a little bit?

I am thinking of around 60K to 62K per year, what do you think?

I mean, I am still very happy with this offer, and two or three thousand is not a big deal. I am now orally accepting this offer, and I will sign it and make a scan and email it back to you.

As I am reading this offer letter, I notice the position title is Health Analyst I, I just want to confirm this since the interview I have been interviewing with Holly is Health Analyst II