Environment Setup - two VM created

VM – 10.0.2.7

VM1 – 10.0.2.6

1. Disable all on VM

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Ping VM1 – failed

Text, letter

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Ping VM from VM1 – failed

Text, letter

Description automatically generated

Enable network by executing the same series of commands with DROP replaced by ACCEPT, then ping VM1 from VM - succeeded

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Ping VM from VM1 – succeeded

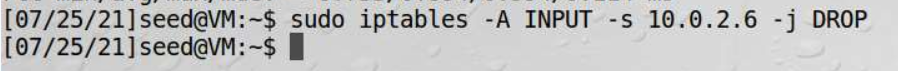
Text

Description automatically generated

Explanation – at the beginning all actions or packets including INPUT, OUTPUT and FORWARD were disabled/dropped, thus ping between VM and VM1 failed; then while all the packets were allowed, the ping became successful.

1. Blocking an IP

Block packets from VM1



Ping VM from VM1 – failed

Text, letter

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It fails because packets from IP of VM1 was blocked in VM.

Environment setup changed:

VM – 10.0.2.9

VM1 – 10.0.2.8

Block packets to VM1 and ping VM1 from VM, it failed:

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Explanation – as packets blocked from and to IP of VM1, the pings failed.

1. List all rules

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1. Delete a rule – deleted OUTPUT 1 and the rule no longer exists.

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1. Delete all rules in a table [filter]

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Before delete/flush all rules, there was one rule, afterwards no rule left.

Environment setup changed:

VM – 10.0.2.10

VM1 – 10.0.2.11

1. Drop all incoming connections except SSH (port 22)

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Ping failed   
Text, letter

Description automatically generated

But ssh to VM succeeded

Text, letter

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Recover by flush & set to ACCEPT for INPUT

Text

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Ping succeeded again:

Text, letter

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