| **# show current setting**  **## eth1 WEB e eth0 Interna**  **[root@dlp ~]#**  **firewall-cmd --get-active-zone**  **public**  **interfaces: eth0 eth1**  **# change zone**  **[root@dlp ~]#**  **firewall-cmd —-zone=public —-remove-interface=eth0**  **firewall-cmd —-zone=public —-remove-interface=eth1**  **#### Opção de commando -> nmcli c mod eth0 connection.zone internal**  **[root@dlp ~]#**  **firewall-cmd —-zone=external -–add-interface=eth1**  **firewall-cmd —-zone=internal -–add-interface=eth0**  **#### Opção de commando -> nmcli c mod eth1 connection.zone external**  **[root@dlp ~]#**  **firewall-cmd --get-active-zone**    **internal**  **interfaces: eth0**  **external**  **interfaces: eth1** |
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| [2] | Set IP Masquerading on External zone. |
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| **# set IP Masquerading**  **[root@dlp ~]#**  **firewall-cmd --zone=external --add-masquerade --permanent**  **success [root@dlp ~]#**  **firewall-cmd --reload**  **success**  **# show setting**  **[root@dlp ~]#**  **firewall-cmd --zone=external --query-masquerade**  **yes**  **# ip\_forward is enabled automatically if masquerading is enabled.**  **[root@dlp ~]#**  [**cat**](https://www.server-world.info/en/command/html/cat.html)**/proc/sys/net/ipv4/ip\_forward**  **1** |
| --- |

| [3] | For example, Configure that incoming packets come to 22 port of External zone are forwarded to local 1234 port. (if set permanently, add "--permanent" option) |
| --- | --- |

| **[root@dlp ~]#**  **firewall-cmd --zone=external --add-forward-port=port=22:proto=tcp:toport=1234**  **success [root@dlp ~]#**  **firewall-cmd --list-all --zone=external**    **external (active)**  **interfaces: eth1**  **sources:**  **services: ssh**  **ports:**  **masquerade: yes**  **forward-ports: port=22:proto=tcp:toport=1234:toaddr=**  **icmp-blocks:**  **rich rules:** |
| --- |

| [4] | For example, Configure that incoming packets come to 22 port of External zone are forwarded to an other Host(192.168.0.31) of 22 port. |
| --- | --- |

| **[root@dlp ~]#**  **firewall-cmd --zone=external --add-forward-port=port=22:proto=tcp:toport=22:toaddr=192.168.0.31**  **success [root@dlp ~]#**  **firewall-cmd --list-all --zone=external**    **external (active)**  **interfaces: eth1**  **sources:**  **services: ssh**  **ports:**  **masquerade: yes**  **forward-ports: port=22:proto=tcp:toport=22:toaddr=10.0.0.31**  **icmp-blocks:**  **rich rules:** |
| --- |

| [5] | For exmaple, Configure that outgoing packets through the Server from Internal network(10.0.0.0/24) are allowed and forwarded to External side. |
| --- | --- |

| **# set masquerading to internal zone**  **[root@dlp ~]#**  **firewall-cmd --zone=internal --add-masquerade --permanent**  **success [root@dlp ~]#**  **firewall-cmd --reload**  **success**  **[root@dlp ~]#**  **firewall-cmd --direct --add-rule ipv4 nat POSTROUTING 0 -o eth1 -j MASQUERADE**  **[root@dlp ~]#**  **firewall-cmd --direct --add-rule ipv4 filter FORWARD 0 -i eth0 -o eth1 -j ACCEPT**  **[root@dlp ~]#**  **firewall-cmd --direct --add-rule ipv4 filter FORWARD 0 -i eth1 -o eth0 -m state --state**  **RELATED,ESTABLISHED -j ACCEPT** |
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<https://www.server-world.info/en/note?os=CentOS_7&p=firewalld&f=2>