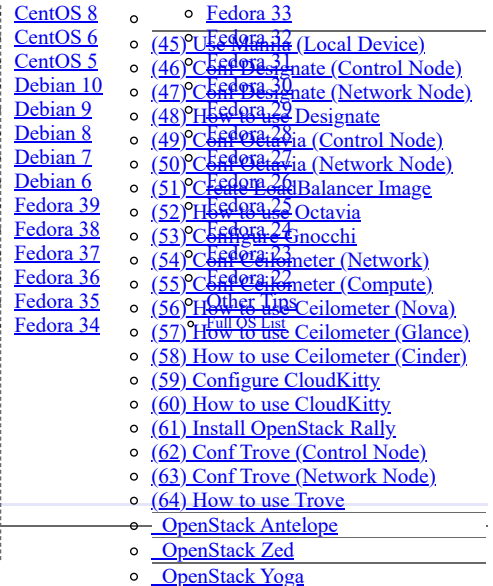


- 30872 / 114450389



```
[root@dlp ~]#
firewall-cmd --list-all-zones
```

```
block
  target: %%REJECT%%
  icmp-block-inversion: no
  interfaces:
  sources:
  services:
  ports:
  protocols:
  forward: yes
  masquerade: no
  forward-ports:
  source-ports:
  icmp-blocks:
  rich rules:
  .....
  .....
```

display allowed services on a specific zone

```
[root@dlp ~]#
firewall-cmd --list-service --zone=external
```

```
ssh
# change default zone
```

```
[root@dlp ~]#
firewall-cmd --set-default-zone=external
```

```
success
# change zone for an interface
```

```
[root@dlp ~]#
firewall-cmd --change-interface=enp1s0 --zone=external
```

```
success
[root@dlp ~]#
firewall-cmd --list-all --zone=external
```

```
external (active)
  target: default
  icmp-block-inversion: no
  interfaces: enp1s0
  sources:
  services: ssh
  ports:
  protocols:
  forward: yes
  masquerade: yes
  forward-ports:
  source-ports:
  icmp-blocks:
  rich rules:
```

[3] Display services defined by default.

```
[root@dlp ~]#
firewall-cmd --get-services
```

RH-Satellite-6 RH-Satellite-6-capsule amanda-client amanda-k5-client amqp amqps apcupsd audit bacula bacula-client bb bgp

definition files are placed under the directory like follows
if you'd like to add your original definition, add XML file on there

```
[root@dlp ~]#
ls /usr/lib/firewalld/services
```

amanda-client.xml	mqtt.xml
amanda-k5-client.xml	mssql.xml
amqps.xml	ms-wbt.xml
amqp.xml	murmur.xml
apcupsd.xml	mysql.xml
.....	
.....	
minidlna.xml	xmpp-client.xml
mongodb.xml	xmpp-local.xml
mosh.xml	xmpp-server.xml

```
mountd.xml          zabbix-agent.xml
mqtt-tls.xml        zabbix-server.xml
```

Add or Remove allowed services.

[4] The change will be back after rebooting the system.

If you change settings permanently, add the [--permanent] or [--runtime-to-permanent] option.

for example, add [http]

```
[root@dlp ~]#
firewall-cmd --add-service=http
```

```
success
[root@dlp ~]#
firewall-cmd --list-service
```

```
cockpit dhcpv6-client http ssh
# for example, remove [http]
```

```
[root@dlp ~]#
firewall-cmd --remove-service=http
```

```
success
[root@dlp ~]#
firewall-cmd --list-service
```

```
cockpit dhcpv6-client ssh
# permanent setting : [--permanent] - add setting to the permanent environment
```

```
[root@dlp ~]#
firewall-cmd --add-service=http --permanent
```

```
success
[root@dlp ~]#
firewall-cmd --list-service
```

```
cockpit dhcpv6-client ssh
# reload settings from the permanent environment to apply new setting
```

```
[root@dlp ~]#
firewall-cmd --reload
```

```
success
[root@dlp ~]#
firewall-cmd --list-service
```

```
cockpit dhcpv6-client http ssh
# permanent setting : [--runtime-to-permanent] - save the current runtime environment to the permanent environment
```

```
[root@dlp ~]#
firewall-cmd --add-service=http
```

```
success
[root@dlp ~]#
firewall-cmd --list-service
```

```
cockpit dhcpv6-client http ssh
[root@dlp ~]#
firewall-cmd --runtime-to-permanent
```

success

[5] Add or remove allowed ports.

If you change settings permanently, add the [--permanent] or [--runtime-to-permanent] option like the examples of [4].

for example, add [TCP 465]

```
[root@dlp ~]#
firewall-cmd --add-port=465/tcp
```

```
success
[root@dlp ~]#
firewall-cmd --list-port
```

```
465/tcp
# for example, remove [TCP 465]
```

```
[root@dlp ~]#
firewall-cmd --remove-port=465/tcp
```

```
success
[root@dlp ~]#
firewall-cmd --list-port
```

[6] Add or remove prohibited ICMP types.

for example, add [echo-request] to prohibit it

```
[root@dlp ~]#
firewall-cmd --add-icmp-block=echo-request

success
[root@dlp ~]#
firewall-cmd --list-icmp-blocks

echo-request
# for example, remove [echo-request]

[root@dlp ~]#
firewall-cmd --remove-icmp-block=echo-request

success
[root@dlp ~]#
firewall-cmd --list-icmp-blocks

# display available ICMP types

[root@dlp ~]#
firewall-cmd --get-icmp-types

address-unreachable bad-header beyond-scope communication-prohibited destination-unreachable echo-reply echo-request failure
```

M a t c h e d C o n t e n t

- CentOS Stream 9 : Firewalld
- [\(01\) Firewall Basic Operation](#)
 - [\(02\) Set IP Masquerade](#)

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