

Configure Firewall on CentOS 8

On CentOS 8, the default firewall is **firewalld**, which is used to manage **iptables** rules on the server. To enable and start the **firewalld** service on the server, run the following commands.

```
# systemctl enable firewalld
# systemctl start firewalld
# systemctl status firewalld
```

To open an incoming connection to a specific service such as SSH, you need to verify that the service is present in the firewalld rules and, then, add the rule for the service by adding **--permanent** switch to commands as below

```
# firewall-cmd --add-service=[tab] #List services
# firewall-cmd --add-service=ssh
# firewall-cmd --add-service=ssh --permanent
```

If you wish to open incoming connections to other network services such as HTTP or SMTP, just add the rules as shown by specifying the service name.

```
# firewall-cmd --permanent --add-service=http
# firewall-cmd --permanent --add-service=https
# firewall-cmd --permanent --add-service=smtp
```

To view all firewall rules on the server, run the following command.

```
# firewall-cmd --permanent --list-all
```