**Firewalld** (/etc/firewalld)

Firewalld came from the kernel package called netfilter

*Man firewalld.zones* (show zones manual)

Netfilter:

* Firewalld
* Iptables (only ipV4(

**Firewalld**

* Ports
* Protocol
* Services
* Actions
* Connections
* Zones (trust, home, work, internal, public, external, dmz, block, drop)

Tool to work with:

* Firewall-cmd (CLI)
* Firewall-config &(GUI)

To run the firewalld service when you finish the edit

*Firewalld-cmd –reload*

**Iptables**

*ip4tables ip6tables etables*

Firewall-cmd – **basic command to run firewall with zones**

Firewall-cmd - - get-zones

Drop – **all is closed**

Firewall-cmd - - set-default-zone=dmz\ROL\public

Firewall-cmd - -zone=dmz - - add-service=mysql – **add application to zone**

Firewall-cmd- -reload – **like commit**

man –k firewall

**Default zones:**

**dmz** - ssh

**drop** - all is closed

**public** - ssh, ipp-client, dhcpd – (default)

**Trust**

**Home**

**Work**

**Internal**

**External**

**Block**

**firewalld.service – firewall service**

***rich rule:***

man firewalld.richlanguage

firewall-cmd --add-rich-rule='rule family=ipv4 service name=imaps source address=1.1.1.1 accept' --permanent