Cheatography

Linux Firewalls Cheat Sheet

by hlhlhl (hlhlhl) via cheatography.com/218585/cs/48356/

firewalld (RHEL/Fedora)

Command	Purpose
`firewa ll-cmd --state`	Firewall status
`firewa ll-cmd --get- act ive -zones`	Active zones
`firewa ll-cmd --list-all`	List zone configuration
`firewa ll-cmd --list -se rvices`	Allowed services
`firewall-cmd --list-ports	Open ports
`firewa ll-cmd --add- ser vic e=http --perm anent`	Allow service
`firewa ll-cmd --remo ve- ser vic e=http -permanent`	Remove service
`firewa ll-cmd --add- por t=8 0/tcp --perm anent`	Open port
`firewa ll-cmd --remo ve- por t=8 0/tcp --perm anent`	Close port
`firewa ll-cmd --reload`	Reload rules

UFW (Ubuntu)

Command	Purpose
`ufw enable`	Enable firewall
`ufw disable`	Disable firewall
`ufw status`	Show status
`ufw status verbose`	Detailed status
`ufw allow ssh`	Allow SSH
`ufw allow 80/tcp`	Allow port
`ufw deny 23`	Deny port
`ufw delete allow 80/tcp`	Remove rule
`ufw reload`	Reload rules
`ufw reset`	Reset firewall

nftables (Modern)

Command	Purpose
`nft list ruleset`	Show all rules
`nft flush ruleset`	Remove all rules
`nft add table inet filter`	Create table
`nft add chain ...`	Create chain
`nft delete rule ...`	Delete rule
`nft delete table ...`	Delete table

IP Forwarding

Command	Purpose
`sysctl net.ip v4.i p_ forward`	Check status
`sysctl -w net.ip v4.i p_ for wa rd=1`	Enable tempor- arily

iptables (Legacy)

Command	Purpose
`iptables -L`	List rules
`iptables -L -n -v`	Detailed rules
`iptables -F`	Flush rules
`iptables -A INPUT ...`	Append rule
`iptables -D`	Delete rule
`iptables -I`	Insert rule
`iptables -P INPUT DROP`	Set default policy
`iptabl es-save`	Save rules
`iptabl es- restore`	Restore rules

ipset

Command
`ipset create`
`ipset add`
`ipset del`
`ipset list`
`ipset destroy`

NAT

Command	Purpose
`iptables -t nat -L`	View NAT table
`nft list table nat`	View nftables NAT rules

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