


ufw 0.36 Cheatsheet (ingenieriainformatica.uniovi.es)				root@ssil8base:/etc/wireguard# ufw status	
Tool to ease Ubuntu firewall management				Status: active	
<a href="https://launchpad.net/ufw">https://launchpad.net/ufw</a>					
GENERAL USAGE		EXAMPLES			
ufw COMMAND					
NOTES					
ufw is not enabled by default in a typical Ubuntu installation		<b>NOTE:</b> All examples requires soor privileges (sudo)			
To use it you need to enable it first with: sudo ufw enable					
It can be disabled at any time with: sudo ufw disable		DEFAULT BEHAVIOR POLICIES:			
		* Deny all incoming traffic by default: ufw default deny incoming			
		* Allow all outgoing traffic by default: ufw default allow outgoing			
		ALLOW SERVICES:			
		* sudo ufw allow 22 (or ufw allow ssh)			
		* ufw allow 'Apache Full' (there are application profiles available: sudo ufw app list)			
		* ufw allow 45/tcp (allow port and protocol)			
		* ufw allow from 192.168.1.1 port 62 (Source and Destination (allow only from this IP))			
		* ufw allow to 127.0.0.2 port 62 (allow from anywhere to a local interface only)			
		* ufw allow 80/tcp comment 'accept Apache' (comment a rule)			
		* ufw allow 1194/udp comment 'OpenVPN server' (Open UDP/1194 (OpenVPN) server and add a comment)			
		* ufw allow 3000:4000/tcp, sudo ufw allow 3000:4000/udp (allow port ranges; tcp and udp 3000 to 4000)			
		* sudo ufw allow from 156.35.94.10 (allow ALL connections from 156.35.94.10)			
		* sudo ufw allow from 156.35.94.10 to any port 22 proto tcp (allow connections from 156.35.94.10 only to port 22)			
		* sudo ufw allow from 156.35.94.10 to 156.35.94.50 port 22 proto tcp (set destination IP too)			
		* sudo ufw allow in on wg0 to any port 22 (open port 22 for wg0 interface only)			
		* ufw allow in on lxdbr0 from 10.100.12.29 to any port 3389 proto tcp (allow connection for TCP port 3389 on lxdbr0 interface from 10.100.12.29)			
		* ufw allow in on lxdbr0 from 10.100.12.0/24 to any port 3389 proto tcp (same as previous but allow whole network)			
		DENY SERVICES:			
		* ufw deny 21			
		* sudo ufw deny 25/tcp (deny port and protocol)			
		* sudo ufw deny from 156.35.94.10 (deny from specific IP)			
		* sudo ufw deny from 156.35.0.0/16 (deny from specific network, all hosts from the network)			
		* sudo ufw deny from 156.35.94.10 to any port 22 proto tcp (deny access only on port 22)			
		ENABLE SPECIFIC PROTOCOLS:			
		* ufw allow to 127.0.0.3 proto esp			
		* ufw allow to 127.0.0.3 proto ah			
		To enable IPv6 support, edit /etc/default/ufw and ensure IPV6=yes			
		ENABLE CONNECTION LIMITS:			
		Allow connections but deny them if an IP attempts 6 or more connections within thirty seconds. I. e.: sudo ufw limit ssh			
		ROUTES (IP Masquerading with ufw):			
		Edit the /etc/ufw/sysctl.conf and make sure you have the following line not commented: net/ipv4/ip_forward=1			
		* ufw route allow in on eth0 out on eth1 to any port 80 from any (forward all network requests running on eth1, port 80 to eth0)			
		Apply both for incoming and outgoing traffic (bidirectional):			
		* ufw route allow in on eth0 out on eth1 to 10.0.0.0/8 port 80 from 192.168.0.0/16			
		* ufw route allow in on eth1 out on eth0 from 10.0.0.0/8 to 192.168.0.0/16			
		EGRESS FILTERING:			
		Block RFC1918 addresses (private IPs) going out of eth0 interfaces on your VM connected to the Internet.			
		* ufw route reject out on eth0 to 10.0.0.0/8 comment 'RFC1918 reject'			
		* ufw route reject out on eth0 to 172.16.0.0/12 comment 'RFC1918 reject'			
		* ufw route reject out on eth0 to 192.168.0.0/16 comment 'RFC1918 reject'			
		LOGGING:			
		* sudo ufw logging on (enable log)			
		* sudo ufw logging medium (log verbosity)			
		By default all UFW entries are logged into the /var/log/ufw.log file			
		RULE LIST:			
		* ufw show listening			
		* ufw show added			