



# User Guide Tiny Linux Firewall

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**Company Information:**

**WebPanel LLC**

*9191 Bolsa Ave, Ste 120*

*PMB 103. Westminster, CA 92683*

*Email: Info@webpanel.network*

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- **Introduction**

- **Multiple Operating Systems**

*Tiny Linux Firewall Runs On Multiple Operating Systems*

*Tiny Linux Firewall is a software running by commands of linux server (server-based) and a way to protect the machine from any unwanted traffic from outside.*

- **Three Firewalls to Prevent Cyber Attacks**

*Firewalls protect distributed denial of service (DDoS Attacks) and protection of application attacks by using system rules and custom rules.*

System Rules:

- myRules-Set-QV.sh
- myRules-ServerLevel.sh
- myRules-2Iptables.sh

Custom Rules:

- rules.sh

*The smartest firewall in the world with 3 unique firewall layouts in today society.*

- **Guide to Use Nano**

*Install Text Editor*

yum install nano

- **Running Nano**

- Example: Connect and edit your work**

*To open a file, just type in "nano" at the command prompt*

```
nano /path/to/filename
```

*Nano will follow the path and open that file if it exist. If it does not exist, it'll start a new blank with that filename in that directory.*

- Example: To save your work**

- Ctrl + o  
Enter

- Example: To exit your work**

- Ctrl + x  
Enter

*Hit Ctrl + G to bring up the Help documentation and scroll down to see a list of valid shortcuts.*

- **Guide to Use Firewall**

- **Install and Uninstall Firewall**

- Example: To install firewall**

*Choose tinylinuxfirewall version*

*Copy and Paste and Hit Enter*

- Example: To uninstall firewall**

*Running Command:*

```
sh /tinylinuxfirewall/uninstall.sh
```

- **Running System Rules and Custom Rules**

- Example: To open system rules**

```
nano /etc/tinylinuxfirewall/Firewall/myRules-Set-QV.sh
```

```
nano /etc/tinylinuxfirewall/Firewall/myRules-ServerLevel.sh
```

```
nano /etc/tinylinuxfirewall/Firewall/myRules-2Iptables.sh
```

- Save file: Ctrl + o  
Enter  
Exit: Ctrl + x

**Increase the numbers in system rules myRules-Set-QV.sh, myRules-ServerLevel.sh, myRules-2Iptables.sh for manage visitors direct connecting to your website.**

**Limit:**

```
iptables -A TLF-SYN-FLOOD -p tcp --syn -m state --state NEW -m limit --limit 80/second  
--limit-burst 160 -j RETURN
```

**Hitcount:**

```
iptables -A TLF-SYN-FLOOD -p tcp --syn -m state --state NEW -m recent --update --  
seconds 240 --hitcount 80 -j RETURN
```

**Connlimit:**

```
iptables -A TLF-SYN-FLOOD -p tcp --syn -m state --state NEW -m connlimit --connlimit-  
above 100 -j REJECT
```

- Example: To open custom rules**

```
nano /etc/tinylinuxfirewall/rules.sh
```

- Save file: Ctrl + o  
Enter  
Exit: Ctrl + x

- **Running Firewall Services**  
**Example: To apply new rules**

service tld

*Choose firewall 1, 2, 3 (option) and hit enter.*