

CentOS 7 Firewall Configuration

This presentation opens ports in the CentOS 7 firewall.

The additional narration has not been added, yet.

Preuss

11/4/2019

preuss@red-vm:~

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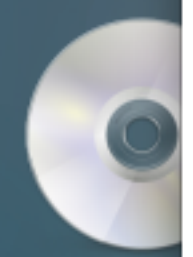
[preuss@red-vm ~]\$ █



Home



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CentOS 7 x86_64 DVD

```
[preuss@red-vm ~]$ cat /etc/services | grep domain
```

Ports to Open

DNS 53/udp #do
DHCP 67/udp #l
HTTP 80/tcp
SSH 22/tcp

1 Untitled *

Ports to Open

- DNS 53/udp #do
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```
[preuss@red-vm ~]$ cat /etc/services | grep domain
domain          53/tcp          # name-domain server
domain          53/udp
domaintime      9909/tcp        # domaintime
domaintime      9909/udp        # domaintime
[preuss@red-vm ~]$
```

```
[preuss@red-vm ~]$ cat /etc/services | grep bootps
```

Ports to Open

DNS 53/udp #do
DHCP 67/udp #l
HTTP 80/tcp
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```
[preuss@red-vm ~]$ cat /etc/services | grep http
```

Ports to Open

DNS 53/udp #do
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```
[preuss@red-vm ~]$ cat /etc/services | grep http
#      http://www.iana.org/assignments/port-numbers
http      80/tcp      www www-http      # WorldWideWeb HTTP
http      80/udp      www www-http      # HyperText Transfer Protocol
http      80/sctp     # HyperText Transfer Protocol
https     443/tcp     # https protocol over TLS/SSL
https     443/udp     # https protocol over TLS/SSL
https     443/sctp   # https protocol over TLS/SSL
gss-http  488/tcp     # gss-http
gss-http  488/udp     # gss-http
webcache  8080/tcp    http-alt        # WWW caching service
webcache  8080/udp    http-alt        # WWW caching service
http-mgmt 280/tcp     # http-mgmt
http-mgmt 280/udp     # http-mgmt
http-rpc-epmap 593/tcp    # HTTP RPC Ep Map
http-rpc-epmap 593/udp    # HTTP RPC Ep Map
oob-ws-http 623/tcp    # DMTF out-of-band web services management protocol
oob-ws-https 664/tcp    # DMTF out-of-band secure web services management protocol
multiling-http 777/tcp    # Multiling HTTP
multiling-http 777/udp    # Multiling HTTP
netconfsoaphttps 832/tcp    # NETCONF for SOAP over HTTPS
netconfsoaphttps 832/udp    # NETCONF for SOAP over HTTPS
llsurfup-http 1183/tcp   # LL Surfup HTTP
llsurfup-http 1183/udp   # LL Surfup HTTP
llsurfup-https 1184/tcp   # LL Surfup HTTPS
llsurfup-https 1184/udp   # LL Surfup HTTPS
compaq-https 2381/tcp   # Compaq HTTPS
compaq-https 2381/udp   # Compaq HTTPS
md-cg-http 2688/tcp   # md-cf-http
md-cg-http 2688/udp   # md-cf-http
webemshttp 2851/tcp   # webemshttp
webemshttp 2851/udp   # webemshttp
cardbox-http 3106/tcp   # Cardbox HTTP
cardbox-http 3106/udp   # Cardbox HTTP
dwnmshttp 3227/tcp   # DiamondWave NMS Server
dwnmshttp 3227/udp   # DiamondWave NMS Server
sunlps-http 3816/tcp   # Sun Local Patch Server
sunlps-http 3816/udp   # Sun Local Patch Server
wap-push-http 4035/tcp   # WAP Push OTA-HTTP port
```


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```
Ports to Open

DNS 53/udp #domain
DHCP 67/udp #bootps
HTTP 80/tcp
SSH 22/tcp
```

preuss@red-vm:~

Ports to Open

- DNS 53/udp #do
- DHCP 67/udp #l
- HTTP 80/tcp
- SSH 22/tcp

```
[preuss@red-vm ~]$ su
Password:
[root@red-vm preuss]# firewall-cmd --list-ports
22/tcp
[root@red-vm preuss]# █
```

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Ports to Open

- DNS 53/udp #do
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```

Ports to Open

- DNS 53/udp #do
- DHCP 67/udp #l
- HTTP 80/tcp
- SSH 22/tcp

```
[preuss@red-vm ~]$ su
Password:
[root@red-vm preuss]# firewall-cmd --list-ports
22/tcp
[root@red-vm preuss]# firewall-cmd --permanent --add-port=53/udp
success
[root@red-vm preuss]# █
```

Ports to Open

DNS 53/udp #do

DHCP 67/udp #l

HTTP 80/tcp

SSH 22/tcp

```
[preuss@red-vm ~]$ su
Password:
[root@red-vm preuss]# firewall-cmd --list-ports
22/tcp
[root@red-vm preuss]# firewall-cmd --permanent --add-port=53/udp
success
[root@red-vm preuss]# firewall-cmd --permanent --add-port=67/udp
success
[root@red-vm preuss]# firewall-cmd --permanent --add-port=80/tcp
success
[root@red-vm preuss]# firewall-cmd --permanent --add-port=22/tcp
Warning: ALREADY_ENABLED: 22:tcp
success
[root@red-vm preuss]#
```

Ports to Open

DNS 53/udp #do

DHCP 67/udp #l

HTTP 80/tcp

SSH 22/tcp

```
[preuss@red-vm ~]$ su
Password:
[root@red-vm preuss]# firewall-cmd --list-ports
22/tcp
[root@red-vm preuss]# firewall-cmd --permanent --add-port=53/udp
success
[root@red-vm preuss]# firewall-cmd --permanent --add-port=67/udp
success
[root@red-vm preuss]# firewall-cmd --permanent --add-port=80/tcp
success
[root@red-vm preuss]# firewall-cmd --permanent --add-port=22/tcp
Warning: ALREADY_ENABLED: 22:tcp
success
[root@red-vm preuss]# firewall-cmd --reload
success
[root@red-vm preuss]# █
```

