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Squid Listen on Other Port (Squid Configure Port Listing with SELinux)

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My Squid proxy server running on port 3128. Since this is frequently scanned by adversaries looking for proxy servers; I've changed port to 10000 and restart squid. But my squid is not working on port # 10000 it only works on port # 3128? How do I force Squid to listen on uncommon port under CentOS Linux v5.3? [1]

Yes, the default listening port for the Squid service is 3128. You can change it to something else to improve security.

Squid Listen on Uncommon Port

Open squid.conf file, enter:

```
# vi squid.conf
```

Use an arbitrary port such as 10000:

```
http port 10000
```

Save and close the file. Restart squid:

```
# service squid restart
```

Verify port is open:

```
# netstat -tulpn | grep ':10000'
```

You also need to update SELinux configuration. Type the following command to add a new SELinux port mapping for the Squid service:

```
# semanage port -a -t http_cache_port_t -p tcp 10000
```

semanage is used to configure certain elements of SELinux policy without requiring modification to or recompilation from policy sources. Above command will allow Squid to listen on port 10000.

Configure Squid Authentication

You can improve squid security by configuring authentication [2].

Squid Iptables

Edit your /etc/sysconfig/iptables file and only allow Squid access from 10.0.0.0/8 for port # 10000:

```
 -A RH-Firewall-1-INPUT -s 10.0.0.0/8 -m state --state NEW -p tcp --dport 10000 -j ACCEPT
```

Finally, restart iptables:

```
# service iptables restart
```

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[2] configuring authentication: **http://www.cyberciti.biz/faq/proxy-authentication-in-linux-unix-squid-cache/**