

## HOW TO INSTALL SELinux ON A SERVER AND SET IT TO DISSABLE AFTER REBOOT

Following a security audit, the xFusionCorp Industries security team has opted to enhance application and server security with SELinux. To initiate testing, the following requirements have been established for `App server 3` in the `Stratos Datacenter`:

1. Install the required `SELinux` packages.
2. Permanently disable SELinux for the time being; it will be re-enabled after necessary configuration changes.
3. No need to reboot the server, as a scheduled maintenance reboot is already planned for tonight.
4. Disregard the current status of SELinux via the command line; the final status after the reboot should be `disabled`.

```
thor@jumphost ~$ sudo yum install -y selinux-policy selinux-policy-targeted policycoreutils
```

```
We trust you have received the usual lecture from the local System
Administrator. It usually boils down to these three things:
```

- ```
#1) Respect the privacy of others.
#2) Think before you type.
#3) With great power comes great responsibility.
```

```
[sudo] password for thor:
Sorry, try again.
```

```
[sudo] password for thor:
```

|                                   |          |        |       |
|-----------------------------------|----------|--------|-------|
| CentOS Stream 9 - BaseOS          | 32 kB/s  | 7.3 kB | 00:00 |
| CentOS Stream 9 - BaseOS          | 7.3 MB/s | 8.8 MB | 00:01 |
| CentOS Stream 9 - AppStream       | 42 kB/s  | 7.5 kB | 00:00 |
| CentOS Stream 9 - AppStream       | 36 MB/s  | 25 MB  | 00:00 |
| CentOS Stream 9 - Extras packages | 33 kB/s  | 8.0 kB | 00:00 |
| CentOS Stream 9 - Extras packages | 50 kB/s  | 19 kB  | 00:00 |
| Extra Packages for Enterprise Lin | 143 kB/s | 34 kB  | 00:00 |
| Extra Packages for Enterprise Lin | 11 MB/s  | 20 MB  | 00:01 |
| Extra Packages for Enterprise Lin | 4.1 kB/s | 993 B  | 00:00 |

```
[sudo] password for thor:
CentOS Stream 9 - BaseOS          32 kB/s | 7.3 kB    00:00
CentOS Stream 9 - BaseOS          7.3 MB/s | 8.8 MB    00:01
CentOS Stream 9 - AppStream       42 kB/s | 7.5 kB    00:00
CentOS Stream 9 - AppStream       36 MB/s | 25 MB    00:00
CentOS Stream 9 - Extras packages 33 kB/s | 8.0 kB    00:00
CentOS Stream 9 - Extras packages 50 kB/s | 19 kB     00:00
Extra Packages for Enterprise Lin 143 kB/s | 34 kB     00:00
Extra Packages for Enterprise Lin 11 MB/s | 20 MB     00:01
Extra Packages for Enterprise Lin 4.1 kB/s | 993 B     00:00
Extra Packages for Enterprise Lin 104 kB/s | 24 kB     00:00
Extra Packages for Enterprise Lin 468 kB/s | 289 kB    00:00
Package selinux-policy-38.1.38-1.el9.noarch is already installed.
Package selinux-policy-targeted-38.1.38-1.el9.noarch is already installed.
Package policycoreutils-3.6-2.1.el9.x86_64 is already installed.
Dependencies resolved.
```

```
=====
Package                Arch    Version      Repo      Size
=====
Upgrading:
  policycoreutils      x86_64 3.6-3.el9    baseos    239 k
```

```
Downloading Packages:
(1/5): selinux-policy-38.1.65-1.e 576 kB/s | 42 kB    00:00
(2/5): policycoreutils-3.6-3.el9. 2.1 MB/s | 239 kB    00:00
(3/5): policycoreutils-python-uti 1.3 MB/s | 76 kB     00:00
(4/5): selinux-policy-targeted-38 32 MB/s | 6.9 MB    00:00
(5/5): python3-policycoreutils-3. 17 MB/s | 2.1 MB    00:00
-----
Total                        12 MB/s | 9.4 MB    00:00
```

```
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
```

```
Running transaction
  Running scriptlet: selinux-policy-targeted-38.1.65-1.el9. 1/1
  Preparing          :                                     1/1
  Upgrading          : policycoreutils-3.6-3.el9.x86_64    1/10
  Running scriptlet: policycoreutils-3.6-3.el9.x86_64    1/10
  Upgrading          : selinux-policy-38.1.65-1.el9.noarch 2/10
  Running scriptlet: selinux-policy-38.1.65-1.el9.noarch 2/10
  Running scriptlet: selinux-policy-targeted-38.1.65-1.el 3/10
  Upgrading          : selinux-policy-targeted-38.1.65-1.el 3/10
```

```
=====
Package                Arch    Version      Repo      Size
=====
Upgrading:
  policycoreutils      x86_64 3.6-3.el9    baseos    239 k
  policycoreutils-python-utils  noarch 3.6-3.el9    appstream 76 k
  python3-policycoreutils  noarch 3.6-3.el9    appstream 2.1 M
  selinux-policy        noarch 38.1.65-1.el9 baseos    42 k
  selinux-policy-targeted noarch 38.1.65-1.el9 baseos    6.9 M
```

```
Transaction Summary
```

```
=====
Upgrade 5 Packages
```

```
Total download size: 9.4 M
```

```
Downloading Packages:
(1/5): selinux-policy-38.1.65-1.e 576 kB/s | 42 kB    00:00
(2/5): policycoreutils-3.6-3.el9. 2.1 MB/s | 239 kB    00:00
(3/5): policycoreutils-python-uti 1.3 MB/s | 76 kB     00:00
(4/5): selinux-policy-targeted-38 32 MB/s | 6.9 MB    00:00
```

```
policycoreutils-3.6-3.el9.x86_64
policycoreutils-python-utils-3.6-3.el9.noarch
python3-policycoreutils-3.6-3.el9.noarch
selinux-policy-38.1.65-1.el9.noarch
selinux-policy-targeted-38.1.65-1.el9.noarch
```

Complete!

```
thor@jumphost ~$
```

```
thor@jumphost ~$
```

```
thor@jumphost ~$ sudo apt update
```

```
sudo apt install -y selinux-basics selinux-policy-default auditd
```

```
[sudo] password for thor:
```

```
sudo: apt: command not found
```

```
sudo: apt: command not found
```

```
thor@jumphost ~$
```

```
thor@jumphost ~$ sudo apt install -y selinux-basics selinux-policy-default auditd
```

```
sudo: apt: command not found
```

```
thor@jumphost ~$
```

```
thor@jumphost ~$
```

```
thor@jumphost ~$
```

```
thor@jumphost ~$ sudo yum install -y policycoreutils selinux-policy selinux-policy-targeted
```

```
thor@jumphost ~$
```

```
thor@jumphost ~$ sudo yum install -y policycoreutils selinux-policy selinux-policy-targeted
```

.

```
Last metadata expiration check: 0:07:34 ago on Mon Sep  8 10:39:24 2025.
```

```
Package policycoreutils-3.6-3.el9.x86_64 is already installed.
```

```
Package selinux-policy-38.1.65-1.el9.noarch is already installed.
```

```
Package selinux-policy-targeted-38.1.65-1.el9.noarch is already installed.
```

```
Dependencies resolved.
```

```
Nothing to do.
```

```
Complete!
```

```
bash: .: filename argument required
```

```
.: usage: . filename [arguments]
```

```
thor@jumphost ~$
```

```
thor@jumphost ~$
```

```
thor@jumphost ~$
```

```
thor@jumphost ~$ sudo vi /etc/selinux/config
```

```
thor@jumphost ~$
```

```
thor@jumphost ~$
```

```
thor@jumphost ~$ grep ^SELINUX= /etc/selinux/config
```

```
SELINUX=disabled
```

```
thor@jumphost ~$ █
```