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```
$ sudo yum install httpd mod_ssl
```

□□□□ SSL □□□□□□□□□□

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   1987      1987      1987      1987

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httpd                x86_64                2.4.37-
47.module+el8.6.0+823+f143cee1.1            appstream                    1.4 M
mod_ssl              x86_64                  1:2.4.37-
47.module+el8.6.0+823+f143cee1.1            appstream                    136 k

 :

apr                  x86_64                  1.6.3-12.el8
appstream            128 k
apr-util             x86_64                  1.6.1-6.el8.1
appstream            104 k
httpd-filesystem     noarch                 2.4.37-
47.module+el8.6.0+823+f143cee1.1            appstream                    40 k
httpd-tools           x86_64                 2.4.37-
47.module+el8.6.0+823+f143cee1.1            appstream                    107 k
mod_http2             x86_64                 1.15.7-
```

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httpd	x86_64	2.4.37-	
47.module+el8.6.0+823+f143cee1.1		appstream	1.4 M
mod_ssl	x86_64	1:2.4.37-	
47.module+el8.6.0+823+f143cee1.1		appstream	136 k

apr	x86_64	1.6.3-12.el8
appstream	128 k	
apr-util	x86_64	1.6.1-6.el8.1
appstream	104 k	

httpd filesystem	noarch	2.4.37-	
47.module+el8.6.0+823+f143cee1.1		appstream	40 k
httpd-tools	x86_64	2.4.37-	
47.module+el8.6.0+823+f143cee1.1		appstream	107 k
mod_http2	x86_64	1.15.7-	

$$\begin{array}{|c|c|c|c|} \hline & & & \\ \hline \end{array} \quad y \begin{array}{|c|c|c|c|c|c|c|c|} \hline & & & & & & & \\ \hline \end{array}$$

47.module+el8.6.0+823+f143cee1.1.noarch.rpm

308 kB/s | 40 kB 00:00

(6/11): mod_http2-1.15.7-

5.module+el8.6.0+823+f143cee1.x86_64.rpm

709 kB/s | 153 kB 00:00

(7/11): mod_ssl-2.4.37-

47.module+el8.6.0+823+f143cee1.1.x86_64.rpm

650 kB/s | 136 kB 00:00

(8/11): sscg-2.3.3-

14.el8.x86_64.rpm

443

kB/s | 48 kB 00:00

(9/11): rocky-logos-httpd-85.0-

4.el8.noarch.rpm

100 kB/s | 22

kB 00:00

(10/11): httpd-tools-2.4.37-

47.module+el8.6.0+823+f143cee1.1.x86_64.rpm

104 kB/s | 107 kB 00:01

(11/11): httpd-2.4.37-

47.module+el8.6.0+823+f143cee1.1.x86_64.rpm

819 kB/s | 1.4 MB 00:01

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696 kB/s | 2.2 MB 00:03

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▢▢▢▢ : apr-1.6.3-

12.el8.x86_64

1/11

▢▢▢▢ : apr-1.6.3-

12.el8.x86_64

1/11

▢▢▢▢ : apr-util-bdb-1.6.1-

6.el8.1.x86_64

2/11

apr-util-openssl-1.6.1-

6.el8.1.x86_64

apr-util-1.6.1-

6.el8.1.x86_64

4/11

apr-util-1.6.1-

6.el8.1.x86_64

4/11

httpd-filesystem-2.4.37-

47.module+el8.6.0+823+f143cee1.1.noarch

5/11

httpd-filesystem-2.4.37-

47.module+el8.6.0+823+f143cee1.1.noarch

5/11

httpd-tools-2.4.37-

47.module+el8.6.0+823+f143cee1.1.x86_64

6/11

rocky-logos-httpd-85.0-

4.el8.noarch

mod_http2-1.15.7-

5.module+el8.6.0+823+f143cee1.x86_64

8/11

httpd-2.4.37-

47.module+el8.6.0+823+f143cee1.1.x86_64

9/11

httpd-2.4.37-

47.module+el8.6.0+823+f143cee1.1.x86_64

9/11

sscg-2.3.3-

14.el8.x86_64

10/11

mod_ssl-1:2.4.37-

47.module+el8.6.0+823+f143cee1.1.x86_64

11/11

httpd-2.4.37-

47.module+el8.6.0+823+f143cee1.1.x86_64

11/11


mod_ssl-1:2.4.37-

47.module+el8.6.0+823+f143cee1.1.x86_64

3/11


7/11

11/11

 : apr-1.6.3-

12.el8.x86_64

1/11

 : apr-util-1.6.1-

6.el8.1.x86_64

2/11

 : apr-util-bdb-1.6.1-

6.el8.1.x86_64

3/11

 : apr-util-openssl-1.6.1-

6.el8.1.x86_64

 : httpd-2.4.37-

47.module+el8.6.0+823+f143cee1.1.x86_64

5/11

 : httpd-filesystem-2.4.37-


47.module+el8.6.0+823+f143cee1.1.noarch

6/11

 : httpd-tools-2.4.37-


47.module+el8.6.0+823+f143cee1.1.x86_64

7/11

 : mod_http2-1.15.7-


5.module+el8.6.0+823+f143cee1.x86_64

8/11

 : mod_ssl-1:2.4.37-

47.module+el8.6.0+823+f143cee1.1.x86_64

9/11

 : sscg-2.3.3-

14.el8.x86_64

10/11

 : rocky-logos-httpd-85.0-

4.el8.noarch

4/11

11/11

 :

apr-1.6.3-12.el8.x86_64

apr-util-1.6.1-6.el8.1.x86_64

apr-util-

bdb-1.6.1-6.el8.1.x86_64

apr-util-openssl-1.6.1-6.el8.1.x86_64

httpd-2.4.37-

47.module+el8.6.0+823+f143cee1.1.x86_64

httpd-filesystem-2.4.37-

47.module+el8.6.0+823+f143cee1.1.noarch

httpd-tools-2.4.37-47.module+el8.6.0+823+f143cee1.1.x86_64

mod_http2-1.15.7-

```
5.module+el8.6.0+823+f143cee1.x86_64      mod_ssl-1:2.4.37-47.module+el8.6.0+823+f143cee1.1.x86_64
rocky-logos-httpd-85.0-4.el8.noarch      sscg-2.3.3-14.el8.x86_64
```

□□

2 □□□□ **apache** □□□

□□□□□□ apache □□□□□□□□

```
$ sudo systemctl restart httpd
$ sudo systemctl enable httpd
Created symlink /etc/systemd/system/multi-user.target.wants/httpd.service →
/usr/lib/systemd/system/httpd.service.
```

3 □□ **apache** □□□□□□

□□ netstat □□□□□□□□□□ (□□□ 80□ 443 port □□□)□

```
$ sudo netstat -tlnp
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 0.0.0.0:22              0.0.0.0:*               LISTEN      644/sshd
tcp6       0      0 :::80                   :::*                    LISTEN      2992/httpd
tcp6       0      0 :::22                   :::*                    LISTEN      644/sshd
tcp6       0      0 :::443                  :::*                    LISTEN      2992/httpd
```

□□ systemctl □□□□□□□□□□□□□□

```
$ systemctl status httpd
● httpd.service - The Apache HTTP Server
   Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)
   Active: active (running) since Tue 2022-05-31 15:50:51 CST; 2min 11s ago
     Docs: man:httpd.service(8)
  Main PID: 2992 (httpd)
    Status: "Running, listening on: port 443, port 80"
   Tasks: 213 (limit: 11374)
  Memory: 26.5M
    CGroup: /system.slice/httpd.service
            └─2992 /usr/sbin/httpd -DFOREGROUND
            └─2993 /usr/sbin/httpd -DFOREGROUND
            └─2994 /usr/sbin/httpd -DFOREGROUND
```

└─2995 /usr/sbin/httpd -DFOREGROUND

└─2996 /usr/sbin/httpd -DFOREGROUND

5 31 15:50:51 rockylinux.ossii.com.tw systemd[1]: Starting The Apache HTTP Server...

5 31 15:50:51 rockylinux.ossii.com.tw systemd[1]: Started The Apache HTTP Server.

5 31 15:50:51 rockylinux.ossii.com.tw httpd[2992]: Server configured, listening on: port 443, port 80

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apache server ■■■■■■

Revision #4

Created 31 May 2022 07:44:42 by kevin

Updated 31 May 2022 09:02:03 by kevin