□□ Apache □□□

1 □□□□□□

□□□□□□□□□

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

□□□□ SSL □□□□□□□□□□□□

```
□□□□□□□□□□□□□□0:30:31 □□□□□□□□□2022□05□31□ (□□) 15□17□06□□
□□□□□□□□□□
================================================================================
================================================================================
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 □□□                                    □□                              □□
                                                          □□□
                                  □□
================================================================================
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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-
5.module+el8.6.0+823+f143cee1
appstream                               153 k
 rocky-logos-httpd                              noarch                                  85.0-
4.el8
baseos                                   22 k
 sscg                                           x86_64                                  2.3.3-
14.el8
appstream                                48 k
□□□□□□□□□□:
 apr-util-bdb                                   x86_64                                  1.6.1-
6.el8.1
appstream                                23 k
 apr-util-openssl                               x86_64                                  1.6.1-
6.el8.1
appstream                                26 k
□□□□□□□□□□:
 httpd                                                                                  2.4

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================================================================================
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□□  11 □□□

□□□□□□□2.2 M
□□□□□□□5.7 M
□□□□□□ [y/N]□y
```

□□□□ y□□□□□□□□□□

```
□□□□□□□
(1/11): apr-util-bdb-1.6.1-
6.el8.1.x86_64.rpm
                                                67 kB/s |  23 kB     00:00
(2/11): apr-util-openssl-1.6.1-
```

```
6.el8.1.x86_64.rpm
                                                207 kB/s |  26 kB     00:00
(3/11): apr-util-1.6.1-
6.el8.1.x86_64.rpm
                                                        186 kB/s | 104 kB     00:00
(4/11): apr-1.6.3-
12.el8.x86_64.rpm
                                                             215 kB/s | 128 kB     00:00
(5/11): httpd-filesystem-2.4.37-
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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```

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  □□
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1/1
  □□□□□   : 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
                                                          3/11
  □□□□□   : 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
                                                          7/11
  □□□□□   : 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
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
4/11
  □□   : 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
                                                                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
```

□□□□□□□ apache server □□□□□□□□

Revision #4
Created 2022-05-31 07:44:42 UTC by kevin
Updated 2022-05-31 09:02:03 UTC by kevin