

```
[root@localhost ~]# sudo yum install httpd mod_ssl mod_wsgi
Last metadata expiration check: 1:22:08 ago on Mon 26 May 2025 05:08:28 PM EEST.
Dependencies resolved.
=====
Package                               Architecture           Version                Repository              Size
=====
Installing:
httpd                                 x86_64                 2.4.62-4.el9          appstream               47 k
mod_ssl                              x86_64                 1:2.4.62-4.el9        appstream               110 k
python3-mod_wsgi                     x86_64                 4.7.1-11.el9          appstream               1.0 M
Installing dependencies:
apr                                  x86_64                 1.7.0-12.el9          appstream               123 k
apr-util                             x86_64                 1.6.1-23.el9          appstream               95 k
apr-util-bdb                         x86_64                 1.6.1-23.el9          appstream               13 k
centos-logos-httpd                  noarch                 90.8-3.el9            appstream               1.5 M
httpd-core                           x86_64                 2.4.62-4.el9          appstream               1.5 M
httpd-filesystem                    noarch                 2.4.62-4.el9          appstream               13 k
httpd-tools                          x86_64                 2.4.62-4.el9          appstream               82 k
Installing weak dependencies:
apr-util-openssl                     x86_64                 1.6.1-23.el9          appstream               15 k
mod_http2                            x86_64                 2.0.26-4.el9          appstream               163 k
mod_lua                              x86_64                 2.4.62-4.el9          appstream               60 k

Transaction Summary
=====
Install 13 Packages

Total download size: 4.7 M
Installed size: 15 M
Is this ok [y/N]: y
Downloading Packages:
(1/13): apr-util-bdb-1.6.1-23.el9.x86_64.rpm 9.3 kB/s | 13 kB 00:01
(2/13): apr-util-openssl-1.6.1-23.el9.x86_64.rpm 162 kB/s | 15 kB 00:00
(3/13): apr-util-1.6.1-23.el9.x86_64.rpm 58 kB/s | 95 kB 00:01
```

```
Installed:
apr-1.7.0-12.el9.x86_64          apr-util-1.6.1-23.el9.x86_64          apr-util-bdb-1.6.1-23.el9.x86_64
apr-util-openssl-1.6.1-23.el9.x86_64 centos-logos-httpd-90.8-3.el9.noarch httpd-2.4.62-4.el9.x86_64
httpd-core-2.4.62-4.el9.x86_64 httpd-filesystem-2.4.62-4.el9.noarch httpd-tools-2.4.62-4.el9.x86_64
mod_http2-2.0.26-4.el9.x86_64 mod_lua-2.4.62-4.el9.x86_64 mod_ssl-1:2.4.62-4.el9.x86_64
python3-mod_wsgi-4.7.1-11.el9.x86_64

Complete!
[root@localhost ~]# sudo mkdir -p /srv/webappX/www
[root@localhost ~]# echo "hello world" > /srv/webappX/www/index.html
[root@localhost ~]# sudo restorecon -Rv /srv/webappX
restorecon: lstat(/root/-) failed: No such file or directory
restorecon: lstat(/root/Rv) failed: No such file or directory
[root@localhost ~]# sudo restorecon -Rv /srv/webappX
Relabeled /srv/webappX/www from unconfined_u:object_r:var_t:s0 to unconfined_u:object_r:httpd_sys_content_t:s0
Relabeled /srv/webappX/www/index.html from unconfined_u:object_r:var_t:s0 to unconfined_u:object_r:httpd_sys_content_t:s0
[root@localhost ~]# vim /etc/httpd/conf.d/webappX.conf
[root@localhost ~]# S
```

```
root@localhost:~
<VirtualHost *:443>
    ServerName webappX.example.com
    SSLEngine on
    SSLProtocol all -SSLv2 -SSLv3
    SSLCipherSuite HIGH:MEDIUM:!aNULL:!MD5
    SSLHonorCipherOrder on
    SSLCertificateFile /etc/pki/tls/certs/webappX.crt
    SSLCertificateKeyFile /etc/pki/tls/private/X.key
    SSLCertificateChainFile /etc/pki/tls/certs/example-ca.crt
    WSGIScriptAlias / /srv/webappX/www/webapp.wsgi
</VirtualHost>

<Directory /srv/webappX/www>
    require all granted
</Directory>
```

Create SSL Certificate:

[illegible]

```
[root@localhost ~]# sudo firewall-cmd --permanent --add-service=https
Warning: ALREADY_ENABLED: https
success
[root@localhost ~]# sudo firewall-cmd --reload
success
[root@localhost ~]#
```