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## SSL(https) 가

```
• description :
     • author :
     • email : kimmk@repia.com
     • lastupdate : 2021-01-19
         ) 🔲 )
                                                                 , kimmk.
                                          ~ (
     2021-01-18)
SSL
  SSL
        Secure Socket Layer
          Hypertext Transfer Protocol
  HTTPS
                                              443
  SSL
                HTTP
       apache(httpd)
                apache(httpd)
  0.
               https
                                                  )
  1. apache가
                                                               가
  2.
                                                             . apache가
               key
                     , crt
  3. search.
                .go.kr
                                                  가
  4. root
  1. OS
          apache
[root@search] cat /etc/redhat-release
CentOS release 6.7 (Final)
[root@search] httpd -version
```

Server version: Apache/2.2.15 (Unix)

```
18:14
Server built:
                Jun 19 2018 15:45:13
 2.
[root@search] cd /etc/httpd/
[root@search] cp -rf conf conf 20210118
[root@search] cp -rf conf.d conf.d_20210118
 1. ssl module
                (mod_ssl.so
[root@search] cd /etc/httpd/modules/
[root@search] ls -al mod ssl.so
# mod ssl.so가
                        /etc/httpd/conf.d/ssl.conf
# mod ssl.so
                   yum
[root@search] yum install mod_ssl
                                        (CentOS 6.7
Loaded plugins: fastestmirror, refresh-packagekit, security
Setting up Install Process
Determining fastest mirrors
YumRepo Error: All mirror URLs are not using ftp, http[s] or file.
 Eg. $ echo "https://vault.centos.org/6.10/updates/x86_64/" >
/var/cache/yum/x86 64/6/updates/mirrorlist.txt/
removing mirrorlist with no valid mirrors:
/var/cache/yum/x86 64/6/base/mirrorlist.txt
Error: Cannot find a valid baseurl for repo: base
                                     가
                         google
[root@search] echo "https://vault.centos.org/6.10/os/x86_64/" >
/var/cache/yum/x86 64/6/base/mirrorlist.txt
[root@search] echo "https://vault.centos.org/6.10/extras/x86_64/" >
/var/cache/yum/x86_64/6/extras/mirrorlist.txt
[root@search] echo "https://vault.centos.org/6.10/updates/x86 64/" >
/var/cache/yum/x86 64/6/updates/mirrorlist.txt
 2. SSL
                 443
                        가
                                [ OK ]
[root@search] service httpd restart
[root@search] netstat -anlp | grep 443
           0
                  0 :443
tcp
                                                 *
LISTEN
            7326/httpd
```

STREAM

CONNECTED

unix 3

#Telnet

17443 2786/gdm-simple-gre

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```
#Escap character is 가

[root@search] telnet 127.0.0.1

Trying 127.0.0.1...

Connected to 127.0.0.1.

Escape character is '^]'.
```

## > 3. ssl.conf

```
[root@search] vi /etc/httpd/conf.d/ssl.conf
<VirtualHost _default_:443>
<VirtualHost *:443>
ServerName www.example.com:443
ServerName search.jbe.go.kr
ServerAlias search.jbe.go.kr
SSLCertificateFile /etc/pki/tls/certs/localhost.crt
SSLCertificateFile /etc/httpd/conf.d/star jbe go kr cert.pem
SSLCertificateKeyFile /etc/pki/tls/private/localhost.key
SSLCertificateKeyFile /etc/httpd/conf.d/star jbe go kr key.pem
가
# </VirtualHost>
  223 #Configure mod jk
  224 JkLogFile /var/log/httpd/mod jk.log
  225 JkLogLevel info
  226
  227 JkLogStampFormat "[%a %b %d %H:%M:%S %Y] "
  228 JkRequestLogFormat "%w %V %T"
  229
  230 #Root context
  231 JkMount /*.jsp ajp13
  232 JkMount /*.do ajp13
```

, ssl, httpd, apache

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