

SSL(https) 가

- description :
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- lastupdate : 2021-01-19

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-) ) ~ (, kimmk.
2021-01-18)

SSL ?

SSL Secure Socket Layer
HTTPS Hypertext Transfer Protocol 443
SSL HTTP

()

apache(httpd)

apache(httpd)

0. https
1. apache가 () 가
2. key , crt . (. apache가
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)
```

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  
  
# OS가 (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  
# ( google 가 .)  
[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  
tcp 0 0 :::443 :::*  
LISTEN 7326/httpd  
unix 3 [ ] STREAM CONNECTED 17443 2786/gdm-simple-gre  
#Telnet
```

```
#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> 가

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
```

Doc

- [(Apache_v2.2)SSL _ 가 _V3.1.pdf , ssl, httpd, apache

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