

# 🌐 IT 네트워크 시스템 *IT Network Systems Administration*

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❖ - Worldskills Korea - Assessment Task (IT Network Systems) - ❁ [ Written by NullBins ]

- By default, the commands are executed as a root user.

[ Project-1 ] < 🐧 Linux Environments >

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## 6. Certificate Authority 구성 (Certificate Authority Configuration)

- 🔒 DONG-SRV1에서 DONG-CA 인증기관 설정 구성 시 패키지 도구는 OPENSSL를 사용함.

< Configuration >

- [ DONG-SRV1 ]

```
apt install openssl -y
```

```
vim /etc/ssl/openssl.cnf
```

```
[ CA_default ]
dir          = /etc/ssl/DONG-CA
x509_extensions = v3_req
policy       = policyAnything

[ req_distinguished_name ]
countryName_default      = KR
#stateOrProvinceName_default      = Some-State
organizationName_default = DONG
```

```
vim /usr/lib/ssl/misc/CA.pl
```

```
my $CADAYS = "-days 1825";      # 5년
my $CATOP = "/etc/ssl/DONG-CA";
```

```
/usr/lib/ssl/misc/CA.pl -newca          # CN=DONG-CA 설정
```

```
Common Name (e.g. server FQDN or YOUR name) [] :DONG-CA
```

```
cp /etc/ssl/DONG-CA/cacert.pem /usr/local/share/ca-certificates/ca.crt  
update-ca-certificates
```