

Certificates

Request, generate, apply

- Create CSR (Certificate Sign Request)

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Create CSR config file

```
export fqdn="project.customer.com"
vi ${fqdn}.csr.conf
```

content

```
[ req ]
default_bits    = 2048
default_md      = sha256
prompt          = no
encrypt_key     = no
distinguished_name = dn
req_extensions  = req_ext

[ dn ]
C = country-abbreviation
ST = project
L = location
O = org
OU = org-unit
CN = project.customer.com

[ req_ext ]
subjectAltName = @alt_names

[ alt_names ]
DNS.1 = www.project.customer.com
DNS.2 = stg-project.customer.com
DNS.3 = www.stg-project.customer.com
```

Generate CSR

```
export fqdn="project.customer.com"
openssl req \
  -new \
  -newkey rsa:4096 \
  -nodes \
  -config ${fqdn}.csr.conf \
  -keyout ${fqdn}.key \
  -out ${fqdn}.csr
```

Verify CSR

```
openssl req \
  -in ${fqdn}.csr \
  -noout \
  -text
```