

# Creating a SAN CSR

This is a work in progress

To create a SAN(Subject Alternative Name) CSR(Certificate Request) you need a private key created through openssl(for details read [4.4 Apache and SSL Certificates](#)) and a config file.

Once you have the private key created a config file needs to be created to make the CSR using your favorite editor create san\_server.conf. Edit the alt\_names as needed

```
[ req ]
default_bits      = 2048
default_keyfile    = example.key #name of the keyfile
distinguished_name = req_distinguished_name
req_extensions     = req_ext

[ req_distinguished_name ]
countryName          = Country Name (2 letter code)
countryName_default  = CA
stateOrProvinceName  = State or Province Name (full name)
stateOrProvinceName_default = Alberta
localityName         = Locality Name (eg, city)
localityName_default = Toronto
organizationName      = Organization Name (eg, company)
organizationName_default = Example
commonName            = Common Name (e.g. server FQDN or YOUR name)
commonName_max        = 64

[ req_ext ]
subjectAltName = @alt_names

[alt_names]
DNS.1   = example.com
DNS.2   = example.org
DNS.3   = example.net
#
```

...

```
openssl req -new -out san_server.csr -key san_server.key -config  
san_server.conf
```

You are about to be asked to enter information that will be incorporated  
into your certificate request.

What you are about to enter is what is called a Distinguished Name or a DN.

There are quite a few fields but you can leave some blank

For some fields there will be a default value,

If you enter '.', the field will be left blank.

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Country Name (2 letter code) [CA]:

State or Province Name (full name) [Alberta]:

Locality Name (eg, city) [Toronto]:

Organization Name (eg, company) [Example]:

Common Name (e.g. server FQDN or YOUR name) []:www.example.com

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