**Creating Self Signed certificates using openssl.**

**Step 1: Generate a Private Key**

Generating RSA private key, 1024 bit long modulus  
.........................................................++++++  
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e is 65537 (0x10001)  
Enter PEM pass phrase:  
Verifying password - Enter PEM pass phrase:

* **openssl genrsa -des3 -out [key name] 1024**

Output:

**Step 2: Generate a CSR (Certificate Signing Request)**

* **openssl req -new -key [Key Name] -out [CSR Name]**

Country Name (2 letter code) [GB]:**CH**  
State or Province Name (full name) [Berkshire]:**Bern**  
Locality Name (eg, city) [Newbury]:**Oberdiessbach**  
Organization Name (eg, company) [My Company Ltd]:**Akadia AG**  
Organizational Unit Name (eg, section) []:**Information Technology**  
Common Name (eg, your name or your server's hostname) []:**public.akadia.com**  
Email Address []:**martin dot zahn at akadia dot ch**  
Please enter the following 'extra' attributes  
to be sent with your certificate request  
A challenge password []:  
An optional company name []:

**Step 3: Generating a Self-Signed Certificate**

* **openssl x509 -req -days 365 -in [CSR File Name] -signkey [key name] -out [certificate name]**

Signature ok  
subject=/C=CH/ST=Bern/L=Oberdiessbach/O=Akadia AG/OU=Information  
Technology/CN=public.akadia.com/Email=martin dot zahn at akadia dot ch  
Getting Private key