**Generate a CSR on a Linux server**

    At the command prompt, type the following and hit Return. Change the bit length (2048) to the appropriate bit length for the SSL issuer. Typically 2048 is sufficient.

    General OpenSSL Commands

Step 1: Generate a Key Pair

The utility “openssl” is used to generate the key and CSR. This utility comes with theOpenSSL package and is usually installed under /usr/local/ssl/bin. If you have installed them elsewhere you will need to adjust these instructions appropriately.

Type the following command at the prompt:

•             Generate a new private key and Certificate Signing Request

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**openssl req -out CSR.csr -new -newkey rsa:2048 -nodes -keyout privateKey.key**

    Fill out the requested information below. For the State, use the full name not an abbreviation. The Organization Name should be a publicly verifiable name (such as is listed on bank statements, bills, taxes, etc). The common name is the domain for which the SSL is being issued. For example, if you're ordering an SSL for domain.com, then the name would be domain.com. If you're ordering an SSL for [www.domain.com](http://www.domain.com), then the name would be [www.domain.com](http://www.domain.com).

    You may chose to leave the email address and challenge password blank by simply hitting return when prompted.

    Generating a 2048 bit RSA private key

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    writing new private key to 'private.key'

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    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) :IN

    State or Province Name (full name):Delhi

    Locality Name (eg, city:New Delhi

    Organization Name (eg, company) [My Company Ltd]:My Company Name

    Organizational Unit Name (eg, section) []:Security

    Common Name (eg, your name or your server's hostname) []:www.domain.com

    Email Address []:

    Please enter the following 'extra' attributes

    to be sent with your certificate request

    A challenge password []:

    An optional company name []:

    Once the form is filled out, two files will be created in the directory in which the command was run. The file domain.csr has the CSR for the SSL which will need to provide to the SSL issuer. It will look similar to the following: