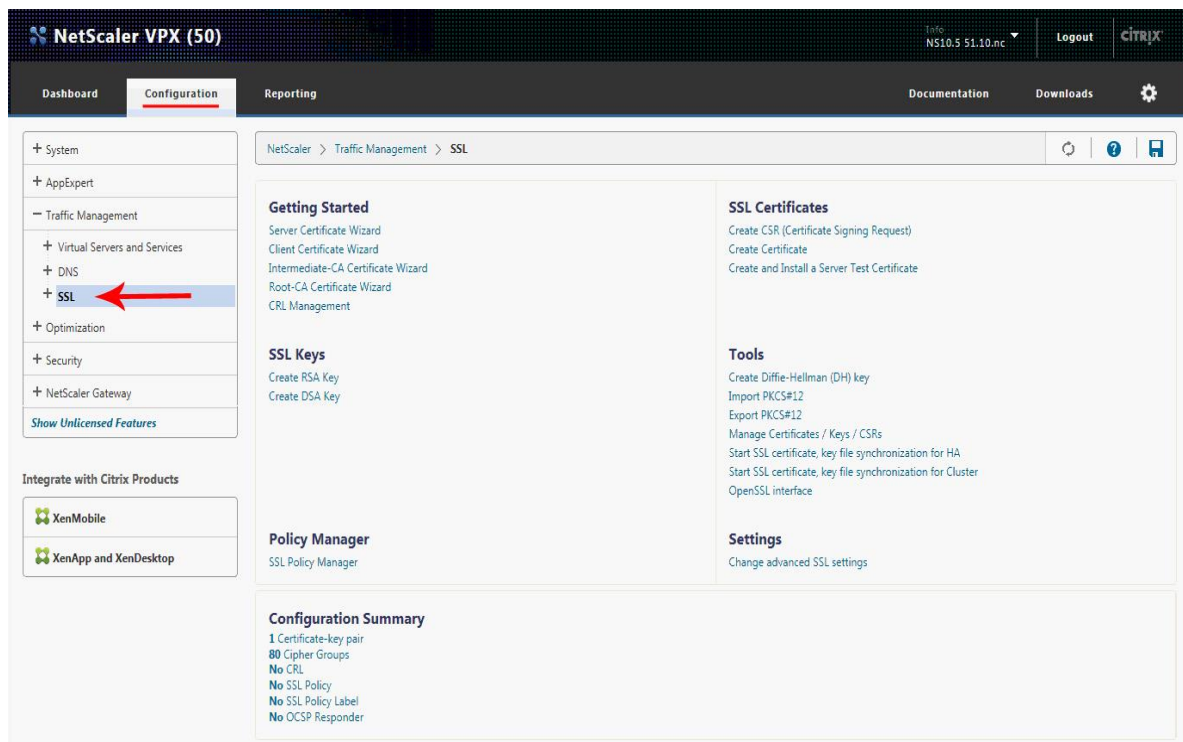


Generating a CSR on Citrix NetScaler VPX

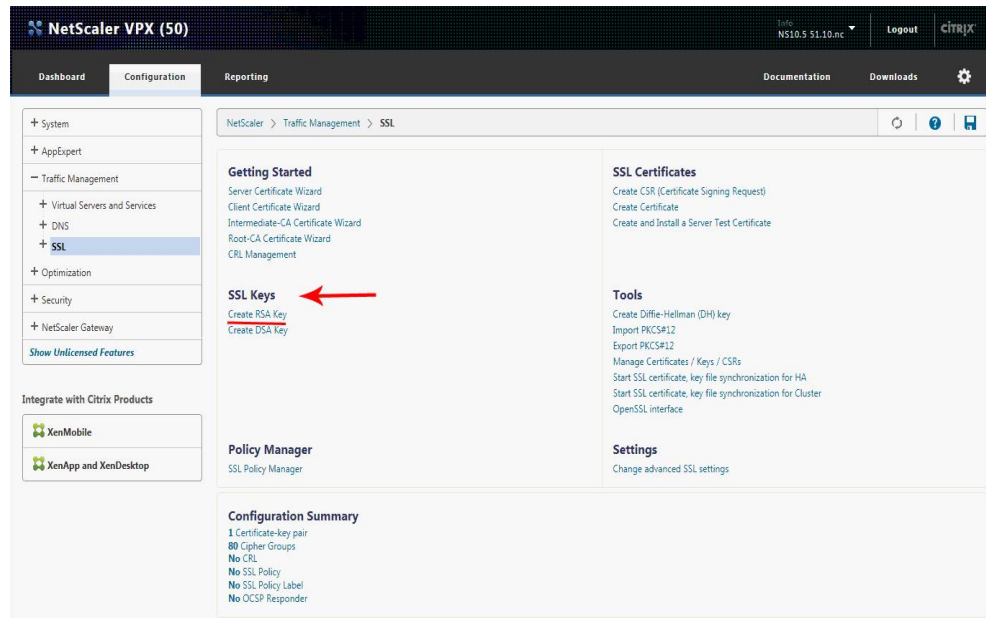
CSR code is an encoded text file used for certificate activation. This code contains the company/contact details and the domain name which needs to be secured.

For a successful SSL configuration further on, a Private Key needs to be generated along with the CSR code. Unlike the CSR, the Private Key will *not* be exported from the server and will *not* be used for SSL activation. Nevertheless, this file will be required to install the certificate on Citrix NetScaler VPX after it is issued.

In order to generate a CSR/Private Key pair on Citrix NetScaler VPX, log into your device console, click on the **Configuration** tab, expand the **Traffic Management** left-side menu and select SSL:



On the next page, it is necessary to click **Create RSA Key** in the **SSL Keys** section.

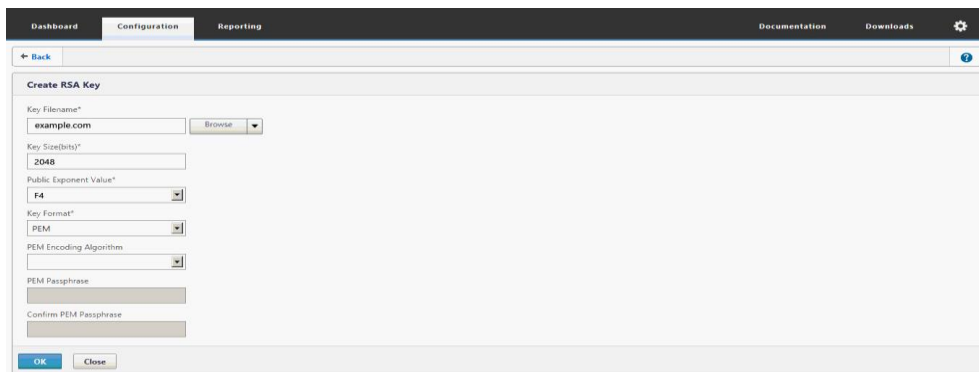


At this point, you need to fill in the form to have a Private Key generated:

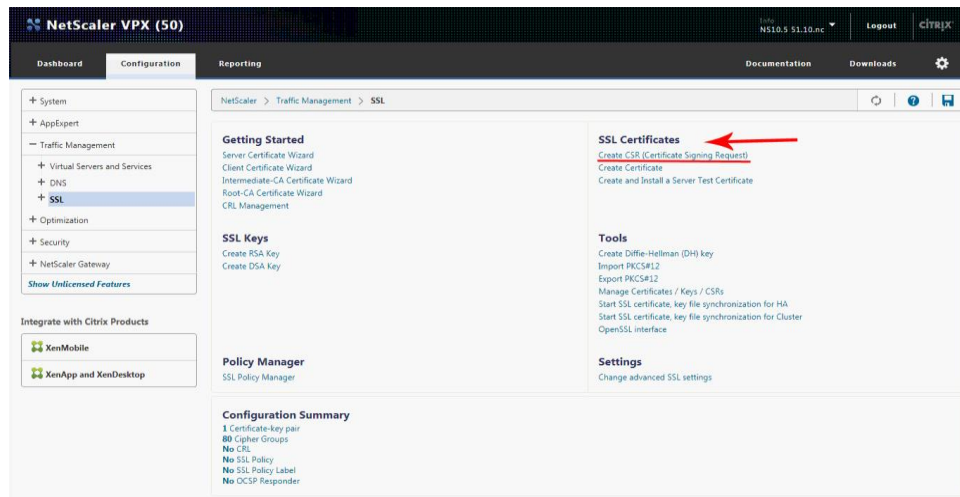
- **Key Filename** - make up a name for the Private Key file in order to differentiate it from other key files. It may be your domain name, for instance.
- **Key Size** - we recommend entering 2048. It is the minimum possible value and the standard size which is accepted by all modern devices.
- **Public Exponent Value** - it is recommended to use the default value F4. This feature is related to the speed of encryption and the cipher algorithms to be used.
- **Key Format** - choose the PEM format from the drop-down list as it is the format supported by Citrix NetScaler VPX.

The **PEM Encoding Algorithm**, **PEM Passphrase** and **Confirm PEM Passphrase** fields should be left blank since this Private Key encryption feature is obsolete now.

After all the required fields are filled in, click **OK** and return to the main page of the NetScaler console.



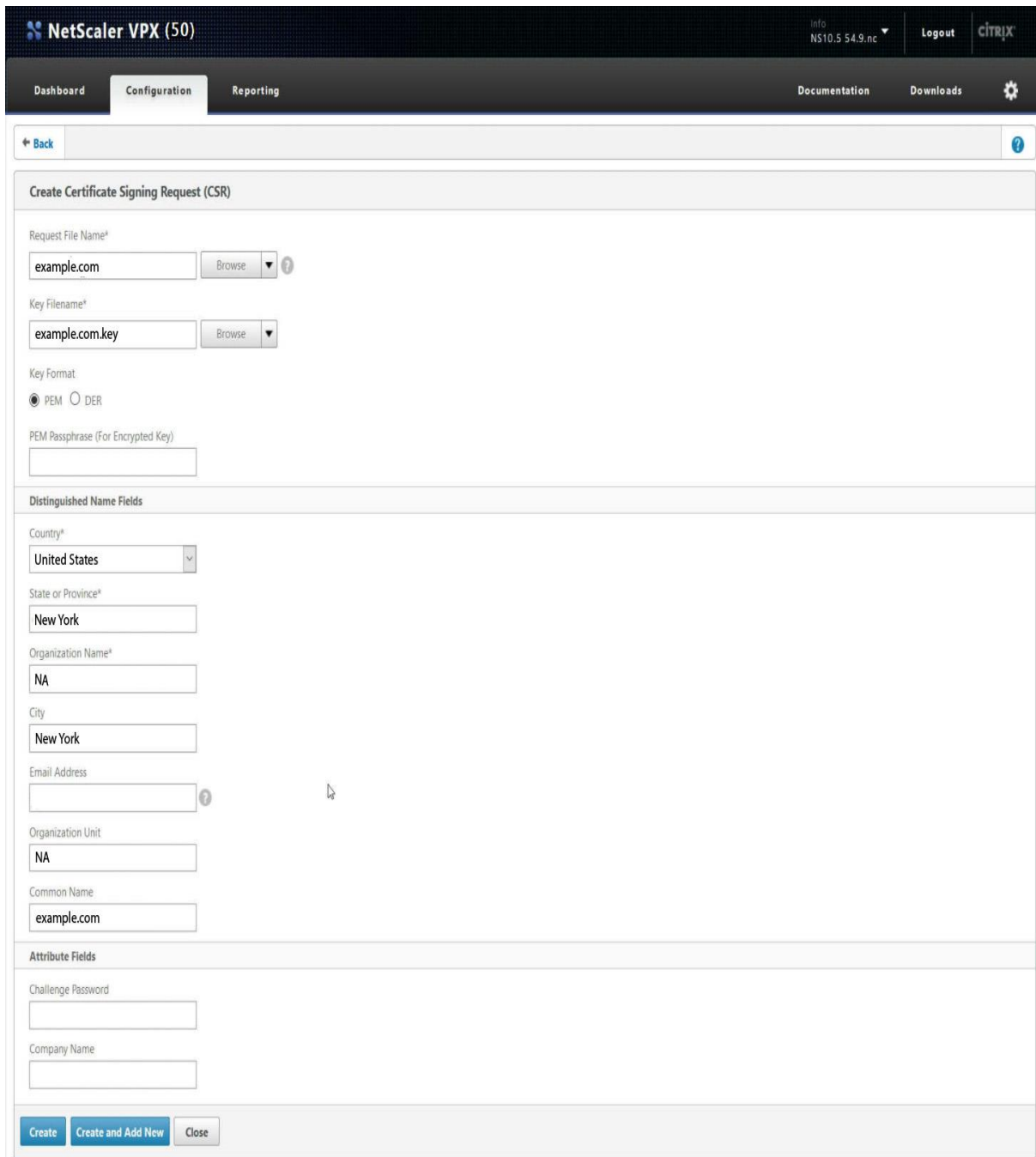
On the homepage of the console, choose the **Configuration** tab, expand the **Traffic Management** left-side menu and select SSL again. In the SSL Certificates menu, click **Create CSR (Certificate Signing Request)**.



On the next page, it is necessary to fill in the fields with the following information:

- **Request Filename** - make up a name for the CSR code in order to differentiate it from other codes that are stored on your server.
- **Key Filename** - click Browse and select the Private Key that was generated before.
- **Key Format** - choose the PEM format as it is the format supported by NetScaler VPX.
- **PEM Passphrase** - leave this field blank since the Private Key has not been encrypted with a password.
- **Country** - select your country from the drop-down list.
- **State or Province** - specify the full name of your state or region.
- **Organization Name** - enter the name of your company. If you do not have a registered company, enter NA.
- **City** - provide the full name of your city or locality.
- **Email address** - specify your email address. You may also leave this field blank as this email is no longer used for communication between the certificate applicant and the certificate authority.
- **Organization Unit** - enter the company division or department (IT, Sales, etc.). It is possible to specify NA here as well.
- **Common name** - indicate the fully qualified domain name/subdomain the certificate needs to be activated for. If you are generating a CSR code for a wildcard certificate, the following format should be used: *.example.com (the asterisk stands for the subdomains that will be covered by the SSL).

The attribute fields **Challenge Password** and **Organization Name** should be left blank as they both are considered obsolete.



NetScaler VPX (50) info NS10.5 54.9.nc Logout citrix

Dashboard Configuration Reporting Documentation Downloads

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Create Certificate Signing Request (CSR)

Request File Name*
example.com Browse ?

Key Filename*
example.com.key Browse

Key Format
☒ PEM ☐ DER

PEM Passphrase (For Encrypted Key)

Distinguished Name Fields

Country*
United States

State or Province*
New York

Organization Name*
NA

City
New York

Email Address
 ?

Organization Unit
NA

Common Name
example.com

Attribute Fields

Challenge Password

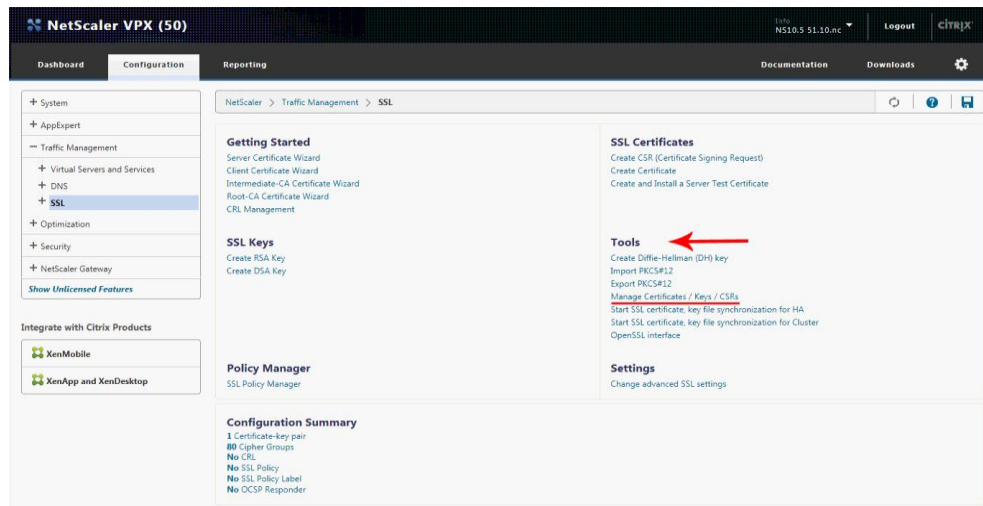
Company Name

Create Create and Add New Close

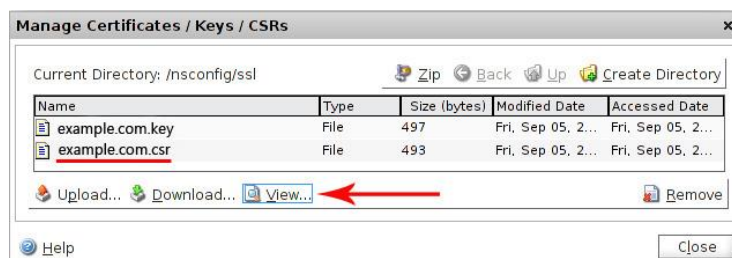
After all the necessary fields are filled in, click **Create** > **Close** to finalize CSR generation.

Now, you need to locate the CSR code in your NetScaler VPX console.

Get back to the homepage of the console, select the **Configuration** tab, expand the **Traffic Management** tree menu and click **SSL**. In the **Tools** section, click **Manage Certificates / Keys / CSRs**.



On the next page, select the .csr file generated before and click **View**.



At this point, it is necessary to copy the CSR code including the header -----BEGIN CERTIFICATE REQUEST----- and footer -----END CERTIFICATE REQUEST----- or click **Save** to download the code on your computer.

