



How to install a 3rd party certificate in Parallels RAS

- Parallels Remote Application Server

There are two available methods to install a 3rd party certificate (or certificate issued by your Enterprise CA) in Parallels RAS:

By generating CSR

Navigate to **Farm** **Site** **Certificates**. Click **Tasks** **Generate a certificate request**:

In the dialog that opens, specify the required information:

- **Name**: Type a name for this certificate. This field is mandatory.
- **Description**: An optional description.
- **Usage**: Specify whether the certificate should be used for RAS Secure Client Gateways or HALB, or both. This selection is mandatory.
- **Key size**: The certificate key size, in bits. Here you can select from the predefined values. The default is 2048 bit, which is the minimum required length according to current industry standards.
- **Country code**: Select your country.
- **Full state or province**: Your state or province info.
- **City**: City name.
- **Organization**: The name of your organization.
- **Organization unit**: Organizational unit.
- **E-mail**: Your email address. This field is mandatory.
- **Common name**: The Common Name (CN), also known as the Fully Qualified Domain Name (FQDN). This field is mandatory.

After entering the information, click **Generate**. Another dialog will open displaying the request. Copy and paste the request into a text editor and save the file for your records. The dialog also allows you to import a public key at this time. You can submit the request to a certificate authority now, obtain the public key, and import it without closing the dialog, or you can do it later. If you close the dialog, the certificate will appear in the RAS Console with the **Status** column indicating **Requested**:

To submit the request to a certificate authority and import a public key:

1. If the certificate request **Properties** dialog is closed, open it by right-clicking a certificate and choosing **Properties**. In the dialog, select the **Request** tab.
2. Copy the request and paste it into the certificate authority web page (or email it, in which case you will need to come back to this dialog later).
3. Obtain the certificate file from the certificate authority.
4. Click the **Import public key** button and finalize the certificate registration by specifying the key file and the certificate file.

By importing a certificate

To import a certificate from a file, on the **Certificates** tab, click **Tasks** **Import certificate**. In the dialog that opens, specify the following:

- **Name:** Type a name for the certificate.
- **Description:** An optional description.
- **Private key file:** Specify a file containing the private key. Click the [...] button to browse for the file.
- **Certificate file:** When you specify a private key file (above) and have a matching certificate file, it will be inserted in this field automatically. Otherwise, specify a certificate file.

- **Usage:** Specify whether the certificate will be used for RAS Secure Client Gateways or HALB, or both.

Click **OK** when done. The certificate will appear in the list in the RAS Console with the **Status** column indicating **Imported**.

To view the certificate info, right-click it and choose **Properties**. In the dialog that opens, examine the properties and then click the **View certificate info** button to view the certificate trust information, details, certification path and the certificate status. You can also view the certificate info by right-clicking it and choosing **View certificate info**.

For imported certificates, the **Properties** dialog has an additional tab **Intermediate**. If the original certificate included an intermediate certificate (in addition to the root certificate), it will be displayed here. You can paste a different intermediate certificate here if you wish.

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