

## How to extract a Certificate and a Private Key Files from a \*.pfx file

- Parallels Remote Application Server

### Information

To extract separate Certificate and Private key files from the \*.pfx file follow the procedure below:

1. Download and extract the Win32 [OpenSSL](#) package to C:\ directory.
2. Open a command prompt, and move to the **OpenSSL-Win32\bin** directory, using:

```
cd C:\OpenSSL\bin
```

3. Execute the following command to export Private Key file:

```
openssl pkcs12 -in [yourfile.pfx] -nocerts -out [keyfile-encrypted.key]
```

4. Then remove the passphrase from the Private Key

```
openssl rsa -in [keyfile-encrypted.key] -out [keyfile-decrypted.key]
```

5. Export certificate file:

```
openssl pkcs12 -in [yourfile.pfx] -clcerts -nokeys -out [certificate.crt]
```

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