How to convert a CNG certificate to CryptoAPI certificate.

- Parallels Device Management

Information

Parallels MDM is using **CryptoAPI** and do not support **Cryptographic New Generation (CNG)** certificates.

In oder to check if the installed certificate is a CNG certificate or not please open **CMD** as Administrator on the Paralells Mac Management MDM server and execute the following command:

```
certutil.exe ?v ?store my> certutil_my.txt
```

In the output file(certutil_my.txt) find the certificate in question and locate KeySpec and ProviderType atributes. If they are cert to 0, this is a CNG certificate.

You may convert a **CNG** certificate using the steps below:

1. Download and extract the Win32 OpenSSL package to C:\ directory.
2. Create a folder c:\certs and copy the file mycert-cng.pfx(the CNG certificate) into the c:\certs folder.
3. Open a command prompt, and move to the OpenSSL-Win32\bin directory, using:

   ```
   cd C:\OpenSSL\bin
   ```
4. Convert the **CNG** certificate to a .*pem format using the command below:

   ```
   openssl pkcs12 -in C:\certs\mycert-cng.pfx -out C:\certs\mycert.pem
   ```
5. Run the command below:

   ```
   openssl pkcs12 -export -in C:\certs\mycert.pem -out C:\certs\mycert-cryptoapi.pfx
   ```

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