How to identify my Private Key type

The Private Key must be of type PKCS1 or PKCS8 in PEM format.

> ⚠️ PKCS8 support was added in release 2.3.1

The easiest way to determine what type you have is to look at the certificate headers.

Example of a PKCS1 private key in PEM format

```
-----BEGIN RSA PRIVATE KEY-----
<YOUR PRIVATE KEY CONTENT>
-----END RSA PRIVATE KEY-----
```

Example of a PKCS8 (unencrypted) private key in PEM format

```
-----BEGIN PRIVATE KEY-----
<YOUR PRIVATE KEY CONTENT>
-----END PRIVATE KEY-----
```

Example of a PKCS8 (encrypted) private key in PEM format

```
-----BEGIN ENCRYPTED PRIVATE KEY-----
<YOUR PRIVATE KEY CONTENT>
-----END ENCRYPTED PRIVATE KEY-----
```

> 🛑 Encrypted private keys are not supported

To convert an unencrypted private key from PKCS8 to PKCS1 use the openssl command below:

```
openssl rsa -in xxxxx-private-no-rsa.pem.key -out xxxxx-private-converted.pem.key
```

> ⚠️ OpenSSL 3+ does not support PKCS1 by default and you will need use -traditional on the openssl rsa command.
>
> ```
> openssl rsa -in xxxxx-private-no-rsa.pem.key -traditional -out xxxxx-private-converted.pem.key
> ```