

JAVA对数字证书的常用操作 PDF转换可能丢失图片或格式，
建议阅读原文

https://www.100test.com/kao_ti2020/273/2021_2022_JAVA_E5_AF_B9_E6_95_B0_c104_273491.htm 一需要包含的包import

```
java.security.*.import java.io.*.import java.util.*.import
```

```
java.security.*.import java.security.cert.*.import
```

```
sun.security.x509.*import java.security.cert.Certificate.import
```

```
java.security.cert.CertificateFactory. 二 从文件中读取证书
```

用keytool将.keystore中的证书写入文件中，然后从该文件中读取证书信息CertificateFactory

```
cf=CertificateFactory.getInstance("X.509").FileInputStream in=new  
FileInputStream("out.csr").Certificate c=cf.generateCertificate(in).
```

```
String s=c.toString().三 从密钥库中直接读取证书String
```

```
pass="123456".FileInputStream in=new
```

```
FileInputStream(".keystore").KeyStore
```

```
ks=KeyStore.getInstance("JKS").ks.load(in,pass.toCharArray()).java
```

```
.security.cert.Certificate c=ks.getCertificate(alias).//alias为条目的别名四 JAVA程序中显示证书指定信息System.out.println("输出证
```

```
书信息:\n" c.toString()).System.out.println("版本号:"
```

```
t.getVersion()).System.out.println("序列号:"
```

```
t.getSerialNumber().toString(16)).System.out.println("主体名："
```

```
t.getSubjectDN()).System.out.println("签发者："
```

```
t.getIssuerDN()).System.out.println("有效期："
```

```
t.getNotBefore()).System.out.println("签名算法："
```

```
t.getSigAlgName()).byte [] sig=t.getSignature().//签名值PublicKey
```

```
pk=t.getPublicKey()).byte []
```

```
pkenc=pk.getEncoded().System.out.println("公钥").for(int i=0.i
```