

pkix path building failed解决

编译工具

从github上获取源代码, 执行 `java` 编译命令 `javac`

```
javac InstallCert.java
```

生成证书

```
java InstallCert 域名
```

出现如下界面, 输入 `1` 回车

```
Starting SSL handshake...
javax.net.ssl.SSLHandshakeException: PKIX path building failed: sun.security.provider.certpath.SunCertPathBuilderException: unable to find valid certification path to requested target
    at sun.security.ssl.Alert.createSSLException(Alert.java:131)
    at sun.security.ssl.TransportContext.fatal(TransportContext.java:324)
    at sun.security.ssl.TransportContext.fatal(TransportContext.java:267)
    at sun.security.ssl.TransportContext.fatal(TransportContext.java:262)
    at sun.security.ssl.CertificateMessage$T12CertificateConsumer.checkServerCerts(CertificateMessage.java:654)
    at sun.security.ssl.CertificateMessage$T12CertificateConsumer.onCertificate(CertificateMessage.java:473)
    at sun.security.ssl.CertificateMessage$T12CertificateConsumer.consume(CertificateMessage.java:369)
    at sun.security.ssl.SSLHandshake.consume(SSLHandshake.java:377)
    at sun.security.ssl.HandshakeContext.dispatch(HandshakeContext.java:444)
    at sun.security.ssl.HandshakeContext.dispatch(HandshakeContext.java:422)
    at sun.security.ssl.TransportContext.dispatch(TransportContext.java:182)
    at sun.security.ssl.SSLTransport.decode(SSLTransport.java:149)
    at sun.security.ssl.SSLSocketImpl.decode(SSLSocketImpl.java:1143)
    at sun.security.ssl.SSLSocketImpl.readHandshakeRecord(SSLSocketImpl.java:1054)
    at sun.security.ssl.SSLSocketImpl.startHandshake(SSLSocketImpl.java:394)
    at InstallCert.main(InstallCert.java:150)
Caused by: sun.security.validator.ValidatorException: PKIX path building failed: sun.security.provider.certpath.SunCertPathBuilderException: unable to find valid certification path to requested target
    at sun.security.validator.PKIXValidator.doBuild(PKIXValidator.java:456)
    at sun.security.validator.PKIXValidator.engineValidate(PKIXValidator.java:323)
    at sun.security.validator.Validator.validate(Validator.java:271)
    at sun.security.ssl.X509TrustManagerImpl.validate(X509TrustManagerImpl.java:315)
    at sun.security.ssl.X509TrustManagerImpl.checkTrusted(X509TrustManagerImpl.java:234)
    at sun.security.ssl.X509TrustManagerImpl.checkServerTrusted(X509TrustManagerImpl.java:110)
    at InstallCert$SavingTrustManager.checkServerTrusted(InstallCert.java:248)
    at sun.security.ssl.AbstractTrustManagerWrapper.checkServerTrusted(SSLContextImpl.java:1256)
    at sun.security.ssl.CertificateMessage$T12CertificateConsumer.checkServerCerts(CertificateMessage.java:638)
    ... 11 more
Caused by: sun.security.provider.certpath.SunCertPathBuilderException: unable to find valid certification path to requested target
    at sun.security.provider.certpath.SunCertPathBuilder.build(SunCertPathBuilder.java:141)
    at sun.security.provider.certpath.SunCertPathBuilder.engineBuild(SunCertPathBuilder.java:126)
    at java.security.cert.CertPathBuilder.build(CertPathBuilder.java:280)
    at sun.security.validator.PKIXValidator.doBuild(PKIXValidator.java:451)
    ... 19 more

Server sent 1 certificate(s):

1 Subject
Issuer
sha1
md5

Enter certificate to add to trusted keystore or 'q' to quit: [1]
```

安装证书

如果 `$(JAVA_HOME)/lib/security/` 下原来没有 `jssecacerts` 文件则直接复制

```
cp jssecacerts $(JAVA_HOME)/lib/security/
```

参考资料

- [博客园 - 解决PKIX path building failed的问题](#)
- [CSDN - 解决PKIX path building failed的问题](#)
- [Github - escline/InstallCert](#)

