

- cbcntvs WNAM " ", , . :

```
telnet licensing.netams.com 443
```

, , NAT, DNS (, /etc/resolv.conf) WNAM. "" licensing.netams.com licensing2.netams.com.

(), WNAM 1.5 , /home/wnam/logs/console.log /var/lib/tomcat8/logs/console.log.

:

```
javax.net.ssl.SSLHandshakeException: No appropriate protocol (protocol is disabled or cipher suites are inappropriate)
```

:

```
java -version
```

:

```
openjdk version "1.8.0_292"  
OpenJDK Runtime Environment (build 1.8.0_292-8u292-b10-0ubuntu1~16.04.1-b10)  
OpenJDK 64-Bit Server VM (build 25.292-b10, mixed mode)
```

Java Runtime, SSL-. :

- https://bugs.java.com/bugdatabase/view_bug.do?bug_id=JDK-8202343;
- <https://www.oracle.com/java/technologies/javase/8u291-relnotes.html>.

/etc/java-8-openjdk/security/java.security, :

```
#jdk.certpath.disabledAlgorithms=MD2, MD5, SHA1 jdkCA & usage TLS Server, \n\n# RSA keySize < 1024, DSA keySize < 1024, EC keySize < 224, \n\n# include jdk.disabled.namedCurves\n\n#jdk.tls.disabledAlgorithms=SSLv3, TLSv1, TLSv1.1, RC4, DES, MD5withRSA, \n\n# DH keySize < 1024, EC keySize < 224, 3DES_EDE_CBC, anon, NULL, \n\n# include jdk.disabled.namedCurves
```

WNAM (systemctl restart wnam) -, -.

WNAM 1.6.2900 , , -. /home/wnam/wnam.conf - (-, ,):

```
export JAVA_OPTS="-Xms512m -Xmx8g -Djava.net.preferIPv4Stack=true \n\n-Dhttps.proxyHost=lab2.wnam.ru -Dhttps.proxyPort=3128 \n\n-Dhttps.proxyUser=user -Dhttps.proxyPassword=pass"
```

wnam.service.