

## Upgrade OpenJDK 11 auf 17

### Installation mittels:

```
apt install openjdk-17-jre-headless
```

### Default-JDK umstellen:

```
update-alternatives--config java
```

### Damit Tomcat 9 auch nach der neuen default-Version sucht:

```
vi /usr/libexec/tomcat9/tomcat-locate-java.sh
```

### hier die Version 17 dazu schreiben:

```
find_jdks()
{
  for java_version in 11 10 9 8
  do
```

## IdP-Upgrade auf IdP 4.3.3

### Download

```
wget -P /opt/install https://shibboleth.net/downloads/identity-provider/archive/4.3.3/shibboleth-identity-provider-4.3.3.tar.gz
```

```
wget -P /opt/install https://shibboleth.net/downloads/identity-provider/archive/4.3.3/shibboleth-identity-provider-4.3.3.tar.gz.sha256
```

```
wget -P /opt/install https://shibboleth.net/downloads/identity-provider/archive/4.3.3/shibboleth-identity-provider-4.3.3.tar.gz.asc
```

```
wget -P /opt/install https://shibboleth.net/downloads/PGP_KEYS
```

```
gpg --import /opt/install/PGP_KEYS
```

### Entpacken IdP 4.3.3

```
gpg --verify /opt/install/shibboleth-identity-provider-4.3.3.tar.gz.asc /opt/install/shibboleth-identity-provider-4.3.3.tar.gz
```

```
cd /opt/install && sha256sum -c shibboleth-identity-provider-4.3.3.tar.gz.sha256
```

```
tar -xzf /opt/install/shibboleth-identity-provider-4.3.3.tar.gz -C /opt/install/
```

### Installation IdP 4.3.3

#### Installer-Skript ausführen:

```
/opt/shibboleth-identity-provider-4.3.3/bin/install.sh
```

**Achtung: Hostname ist idp.local**

#### Build (evtl. Überflüssig)

```
/opt/shibboleth-identity-provider-4.3.3/bin/build.sh
```

## Tomcat-Upgrade von 9 auf 10

### Installation

```
apt install tomcat10
```

### Override-Konfiguration anlegen

```
systemctl edit tomcat10.service
```

hier folgendes eintragen:

```
[Service]
ReadWritePaths=/opt/shibboleth-idp/logs/
ReadWritePaths=/opt/shibboleth-idp/metadata/
```

### Konfigurations-Dateien kopieren

```
cp /etc/tomcat9/Catalina/localhost/idp.xml /etc/tomcat10/Catalina/localhost/idp.xml
ln -s /usr/share/java/mariadb-java-client.jar /var/lib/tomcat10/lib/mariadb-java-client.jar
```

```
cp /etc/tomcat9/context.xml /etc/tomcat10/context.xml
cp /etc/tomcat9/catalina.properties /etc/tomcat10/catalina.properties
cp /etc/tomcat9/server.xml /etc/tomcat10/server.xml
```

```
vi /etc/tomcat10/catalina.properties
    common.loader="${catalina.base}/lib","${catalina.base}/lib/*.jar","${catalina.home}/lib","${catalina.home}/lib/*.jar","/usr/share/java/*.jar"
```

## Installation IdP 5.0.0

### Download

```
wget -P /opt/install https://shibboleth.net/downloads/identity-provider/archive/5.0.0/shibboleth-identity-provider-5.0.0.tar.gz
```

```
wget -P /opt/install https://shibboleth.net/downloads/identity-provider/archive/5.0.0/shibboleth-identity-provider-5.0.0.tar.gz.sha256
```

```
wget -P /opt/install https://shibboleth.net/downloads/identity-provider/archive/5.0.0/shibboleth-identity-provider-5.0.0.tar.gz.asc
```

### Entpacken

```
gpg --verify /opt/install/shibboleth-identity-provider-5.0.0.tar.gz.asc /opt/install/shibboleth-identity-provider-5.0.0.tar.gz
```

```
cd /opt/install && sha256sum -c shibboleth-identity-provider-5.0.0.tar.gz.sha256
```

```
tar -xzf /opt/install/shibboleth-identity-provider-5.0.0.tar.gz -C /opt/install/
```

Installer-Skript ausführen:

```
/opt/shibboleth-identity-provider-5.0.0/bin/install.sh
```

### Build (evtl. Überflüssig)

```
/opt/shibboleth-identity-provider-5.0.0/bin/build.sh
```

## Tomcat 9 raus

```
systemctl stop tomcat9.service
systemctl disable tomcat9.service
apt remove tomcat9
```

## tomcat 10 rein

```
systemctl enable tomcat10.service
systemctl start tomcat10.service
```

## restart apache

```
systemctl start apache2.service
```

## Plugins updaten

```
/opt/shibboleth-idp/bin/plugin.sh -u net.shibboleth.plugin.storage.jdbc
/opt/shibboleth-idp/bin/plugin.sh -u net.shibboleth.idp.plugin.nashorn
```

```
wget -P /opt/shibboleth-idp/edit-webapp/WEB-INF/lib/
https://repo.maven.apache.org/maven2/org/glassfish/web/jakarta.servlet.jsp.jstl/3.0.1/jakarta.servlet.jsp.jstl-3.0.1.jar
```

```
wget -P /opt/shibboleth-idp/edit-webapp/WEB-INF/lib/
https://repo.maven.apache.org/maven2/jakarta/servlet/jsp/jstl/jakarta.servlet.jsp.jstl-api/3.0.0/jakarta.servlet.jsp.jstl-api-3.0.0.jar
```

## Danach mit webapp mit

```
/opt/shibboleth-idp/bin/build.sh -Ddp.target.dir=/opt/shibboleth-idp
```

neu bauen.

## Deprecation Warnings

Auflösen

## Upgrade IdP 5.1.0

### Download

```
wget -P /opt/install https://shibboleth.net/downloads/identity-provider/archive/5.1.0/shibboleth-identity-provider-5.1.0.tar.gz
```

```
wget -P /opt/install https://shibboleth.net/downloads/identity-provider/archive/5.1.0/shibboleth-identity-provider-5.1.0.tar.gz.sha256
```

```
wget -P /opt/install https://shibboleth.net/downloads/identity-provider/archive/5.1.0/shibboleth-identity-provider-5.1.0.tar.gz.asc
```

### Entpacken

```
gpg --verify /opt/install/shibboleth-identity-provider-5.1.0.tar.gz.asc /opt/install/shibboleth-identity-provider-5.1.0.tar.gz
```

```
cd /opt/install && sha256sum -c shibboleth-identity-provider-5.1.0.tar.gz.sha256  
tar -xzf /opt/install/shibboleth-identity-provider-5.1.0.tar.gz -C /opt/install/
```

**Installer-Skript ausführen:**

```
/opt/shibboleth-identity-provider-5.1.0/bin/install.sh
```