

1. SSL vernieuwen

1. Tomcat uitschakelen
2. In server.xml de redirectpoort veranderen van 443 naar 80

```
Define a non-SSL/TLS HTTP/1.1 Connector on port 80
-->
<Connector port="8080" protocol="HTTP/1.1"
  connectionTimeout="20000"
  redirectPort="80"
/>
```

3. De security-constraint uitschakelen in web.xml

```
<!-- Force HTTPS, required for HTTP redirect!
-->
<security-constraint>
  <web-resource-collection>
    <web-resource-name>S-DM</web-resource-name>
    <url-pattern>/*</url-pattern>
  </web-resource-collection>

  <user-data-constraint>
    <transport-guarantee>CONFIDENTIAL</transport-guarantee>
  </user-data-constraint>
</security-constraint>-->
```

4. Tomcat starten
5. certbot certonly -d s-dm.be -a webroot --webroot-path=/opt/tomcat/webapps
6. openssl pkcs12 -export -out bundle.pfx -inkey privkey.pem -in cert.pem -certfile chain.pem -password pass:MTA6vxc6
7. Instellingen terugzetten
8. Tomcat herstarten.

Klaar!

