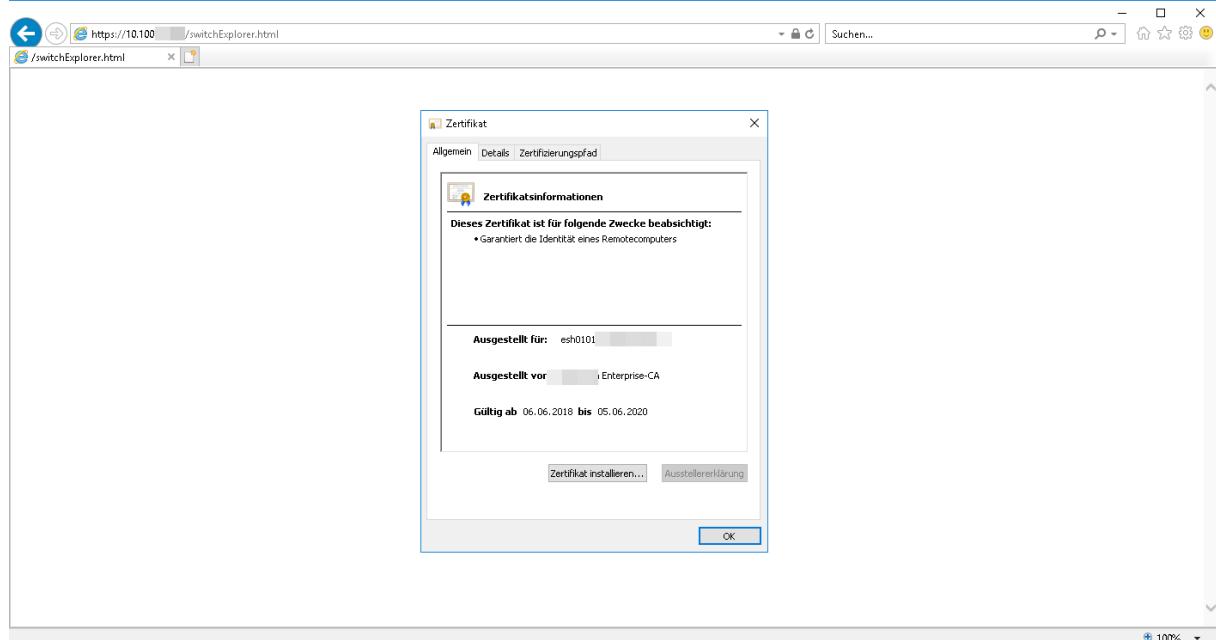




## Zertifikate für Brocade Switche erstellen

Für den gesicherten Aufruf eines Brocade-Swichtes muss die Verbindung auf https "SSL" umgestellt werden.



### Folgende Befehle werden benötigt, um

- den lokalen Zertifikatsspeicher zu löschen
- den KeyStore zu erstellen
- den Request zu generieren
- den Request zu exportieren
- \*Zertifikatsrequest singnieren\*
- das Zertifikat importieren

### Prozedur in Folge:

`seccertutil delkey`

`seccertutil genkey`

`seccertutil gencsr`

`seccertutil export -protocol ftp -ipaddr 10.100.100.120 -remotedir /cert -login ftpuser`

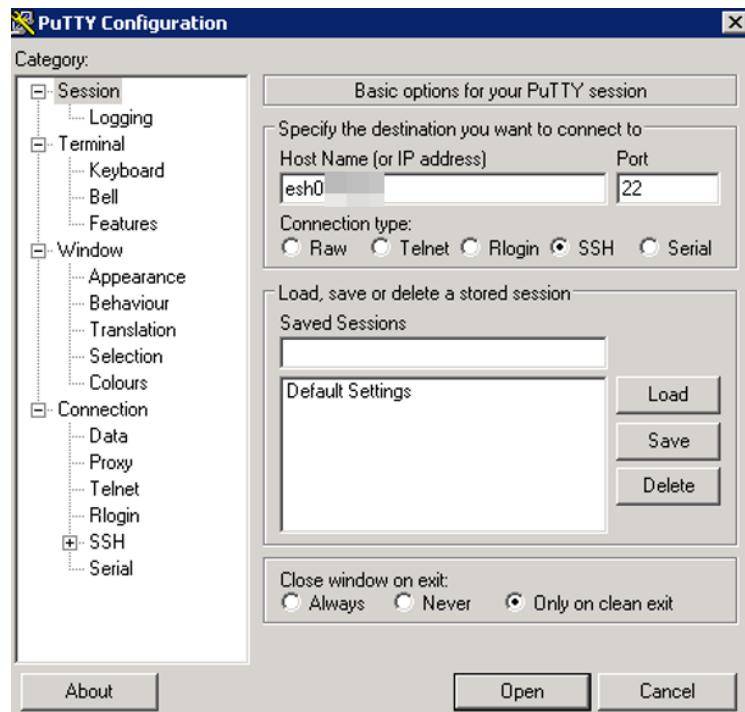
`*Generate certificate from CA in the pem format`

`seccertutil import -config swcert -enable https -protocol ftp -ipaddr 10.100.100.120 -remotedir /cert -certname 10.100.100.146.pem -login ftpuser`



## Zertifikate für Brocade Switche erstellen

Zuerst verbinden wir uns per SSH mit dem Brocade-Switch:



Anmeldung an den Switch:

User: admin

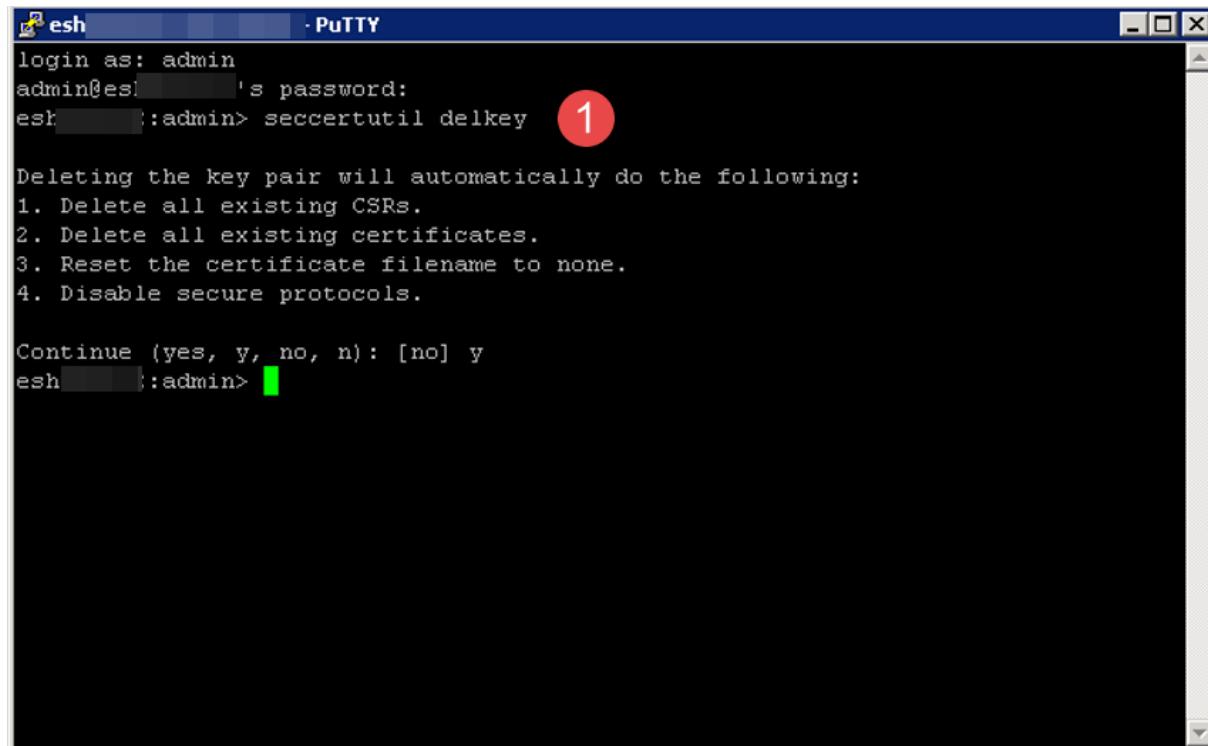
Password: xxxxxxxx



## Zertifikate für Brocade Switche erstellen

### Lokalen Zertifikatsspeicher leeren:

seccertutil delkey mit **Y** bestätigen



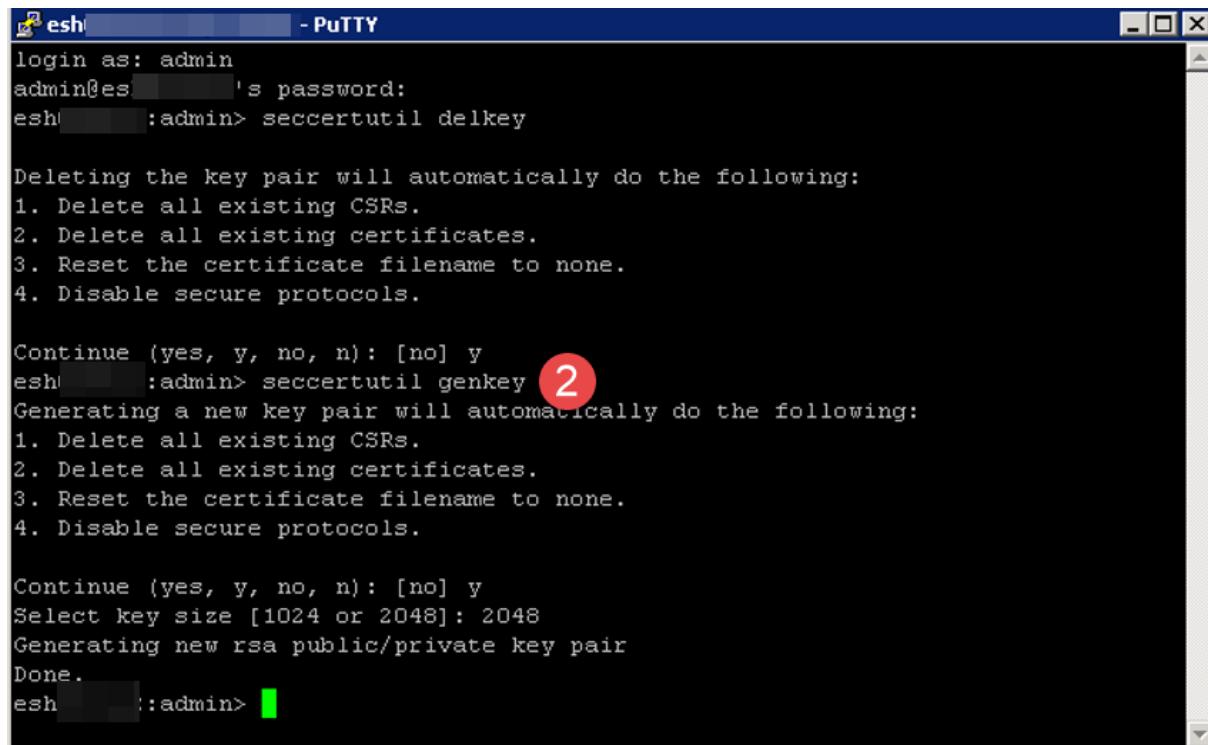
```
esh - PuTTY
login as: admin
admin@es's password:
esh ::admin> seccertutil delkey 1

Deleting the key pair will automatically do the following:
1. Delete all existing CSRs.
2. Delete all existing certificates.
3. Reset the certificate filename to none.
4. Disable secure protocols.

Continue (yes, y, no, n): [no] y
esh ::admin>
```

### Neues Schlüsselpaar erzeugen:

seccertutil genkey mit **Y** bestätigen und **2048** eingeben



```
esh - PuTTY
login as: admin
admin@es's password:
esh ::admin> seccertutil delkey

Deleting the key pair will automatically do the following:
1. Delete all existing CSRs.
2. Delete all existing certificates.
3. Reset the certificate filename to none.
4. Disable secure protocols.

Continue (yes, y, no, n): [no] y
esh ::admin> seccertutil genkey 2
Generating a new key pair will automatically do the following:
1. Delete all existing CSRs.
2. Delete all existing certificates.
3. Reset the certificate filename to none.
4. Disable secure protocols.

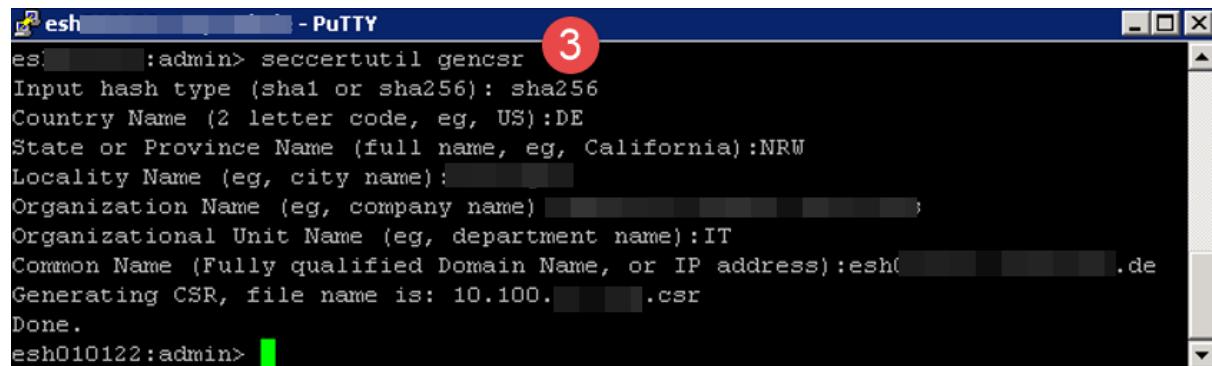
Continue (yes, y, no, n): [no] y
Select key size [1024 or 2048]: 2048
Generating new rsa public/private key pair
Done.
esh ::admin>
```



## Zertifikate für Brocade Switche erstellen

### Generieren einen neuen Zertifikatsrequest CSR:

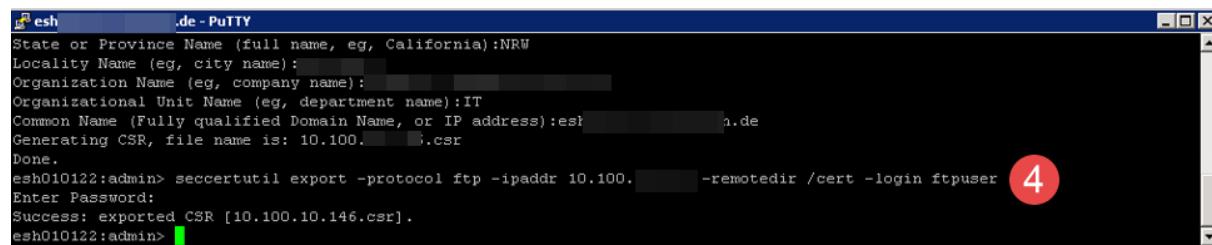
seccertutil gencsr und geben wie folgt die benötigten Informationen ein:



```
esh:admin> seccertutil gencsr
Input hash type (sha1 or sha256): sha256
Country Name (2 letter code, eg, US):DE
State or Province Name (full name, eg, California):NRW
Locality Name (eg, city name):
Organization Name (eg, company name):
Organizational Unit Name (eg, department name):IT
Common Name (Fully qualified Domain Name, or IP address):esh(.de
Generating CSR, file name is: 10.100.100.120.csr
Done.
esh010122:admin>
```

### Exportieren den Request in das Temp Verzeichnis vom SFTP Server:

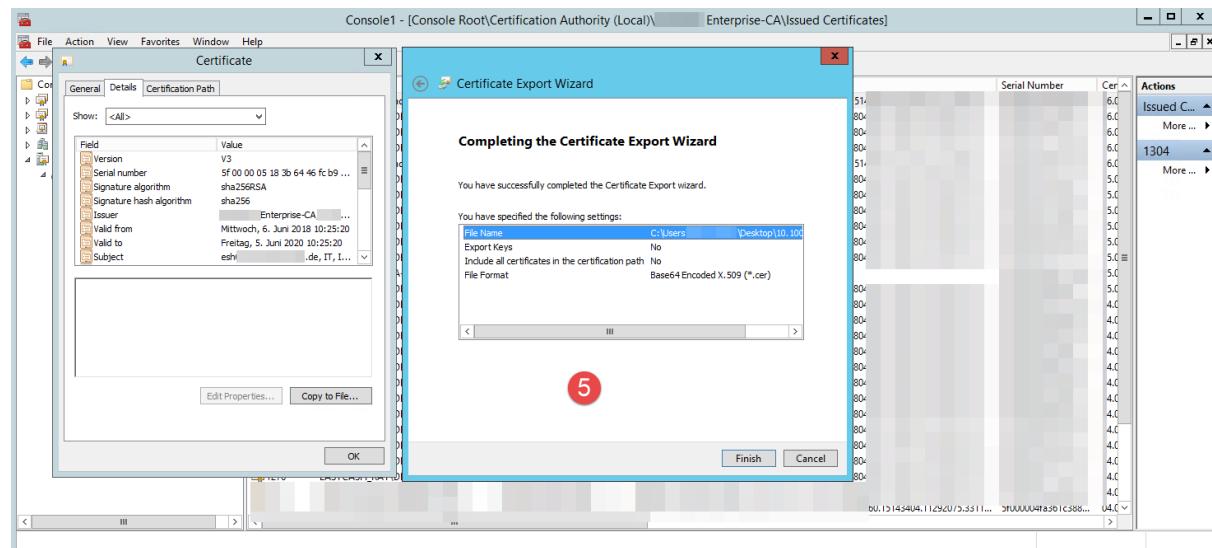
seccertutil export -protocol ftp -ipaddr 10.100.100.120 -remotedir /cert -login ftpuser



```
esh:de - PuTTY
State or Province Name (full name, eg, California):NRW
Locality Name (eg, city name):
Organization Name (eg, company name):
Organizational Unit Name (eg, department name):IT
Common Name (Fully qualified Domain Name, or IP address):esh(.de
Generating CSR, file name is: 10.100.100.120.csr
Done.
esh010122:admin> seccertutil export -protocol ftp -ipaddr 10.100.100.120 -remotedir /cert -login ftpuser
Enter Password:
Success: exported CSR [10.100.10.146.csr].
esh010122:admin>
```

### Der Request wird über die interne CA signiert:

\*Generate certificate from CA and convert in the pem format

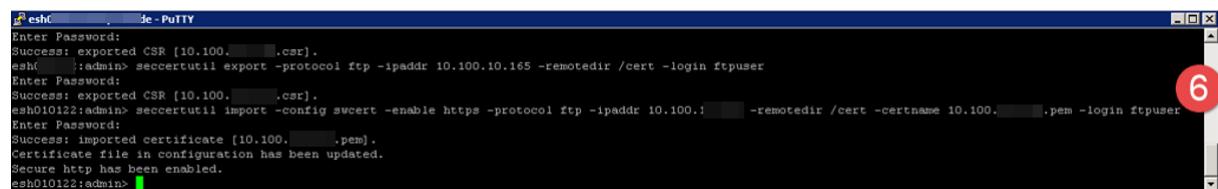




## Zertifikate für Brocade Switche erstellen

Zum Abschluss wird das Zertifikat in den Brocade importiert:

```
seccertutil import -config swcert -enable https -protocol ftp -ipaddr 10.100.100.120 -  
remotedir /cert -certname 10.100.100.146.pem -login ftpuser
```



```
eshC . . . -e PuTTY  
Enter Password:  
Success: exported CSR [10.100. . . .csr].  
esh010122:admin> seccertutil export -protocol ftp -ipaddr 10.100.10.165 -remotedir /cert -login ftpuser  
Enter Password:  
Success: exported CSR [10.100. . . .csr].  
esh010122:admin> seccertutil import -config swcert -enable https -protocol ftp -ipaddr 10.100. . . . -remotedir /cert -certname 10.100. . . .pem -login ftpuser  
Enter Password:  
Success: imported certificate [10.100. . . .pem].  
Certificate file in configuration has been updated.  
Secure http has been enabled.  
esh010122:admin> 6
```

Done!

