



true-Broker

Introduction

1. true-Broker

Connectivity solution for UBS PSN

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 - [User Manual V-5.0.5](#)

2. Introduction

3. Overview

true-Broker enables UBS customers to automatically exchange data with B2B applications of UBS over the Internet. true-Broker Web is responsible to establish a secure communication with the UBS Web-Portal. The communication is secured using 128bit SSL/TLS with certificate based authentication. true-Broker Web is a Web application running on an Apache Tomcat server. true-Broker Web is multi-client capable. true-Broker Web Administration may be used to manage the client instances of true-Broker Web. For each client a specific true-Broker Web application instance is deployed on Apache Tomcat which separates it from the other clients. The configuration of each true-Broker Web client instance is held in an internal data base. true-Broker Web additionally offers a Web service interface for real time message exchange. The supported operations of the Web service interface are:

- Check the connection to the target system
- Transfer a message from the client system to the target system
- Check the status of a sent message
- Receive a message from the target system



4. Releases

true-Broker releases

Releases

5. Releases V-5.1.2

6. Version 5.1.2 (24.09.2026)

6.1. New Features

- None

6.2. Improvements:

- Updates to Tomcat Version 10.1.60
- Fixes CVEs as per [Apache Tomcat 10.x vulnerabilities](#)

6.3. Known issues:

- None

Releases

7. Releases V-5.1.1

8. Version 5.1.1 (15.09.2026)

8.1. New Features

- None

8.2. Improvements:

- Updates to Tomcat Version 10.1.59
- Fixes CVEs as per [Apache Tomcat 10.x vulnerabilities](#)

8.3. Known issues:

- None

Releases

9. Releases V-5.1.0

10. Version 5.1.0 (17.08.2026)

10.1. New Features

- None

10.2. Improvements:

- Updates to Angular 22
- Updates to Tomcat Version 10.1.56

10.3. Known issues:

- None

Releases

11. Releases V-5.0.7

12. Version 5.0.7 (23.06.2026)

12.1. New Features

- None

12.2. Improvements:

- Fixes issue connection url configuration
- Updates to Tomcat Version 9.0.118

12.3. Known issues:

- None



13. Installation Manuals

true-Broker installation manuals

14. Installation Manual V-5.1.0

15. Overview

true-Broker enables UBS customers to automatically exchange data with B2B applications of UBS over the Internet. true-Broker Web is responsible to establish a secure communication with the UBS Web-Portal. The communication is secured using 128bit SSL/TLS with mutual certificate based authentication.

true-Broker Web is a Web application running on an Apache Tomcat server.

true-Broker Web is multi-client capable. true-Broker Web Administration may be used to manage the client instances of true-Broker Web. For each client a specific true-Broker Web application instance is deployed on Apache Tomcat which separates it from the other clients.

The configuration of each true-Broker Web client instance is held in an internal data base.

true-Broker Web additionally offers a Web service interface for real time message exchange. The supported operations of the Web service interface are:

- Check the connection to the target system
- Transfer message from the client system to the target system
- Check the status of a sent message
- Receive a message from the target system

15.1. System Requirements

Operating systems

- Recent Windows OS (Server or Desktop)

Software

- true-Broker Web 5.0.x or newer

Hardware

- 20 GB free hard disk
- 8 GB RAM

Other

- Administrator rights
- https access to the Internet (proxy configuration parameters if required)
- Unbound local port 8645/8646

- Firewall allowing connections to <http://localhost:8645> and/or <https://localhost:8646>

16. Installation

a) Download true-Broker Web from the release section of this site.

<https://products.sits.services/books/true-broker/chapter/releases>

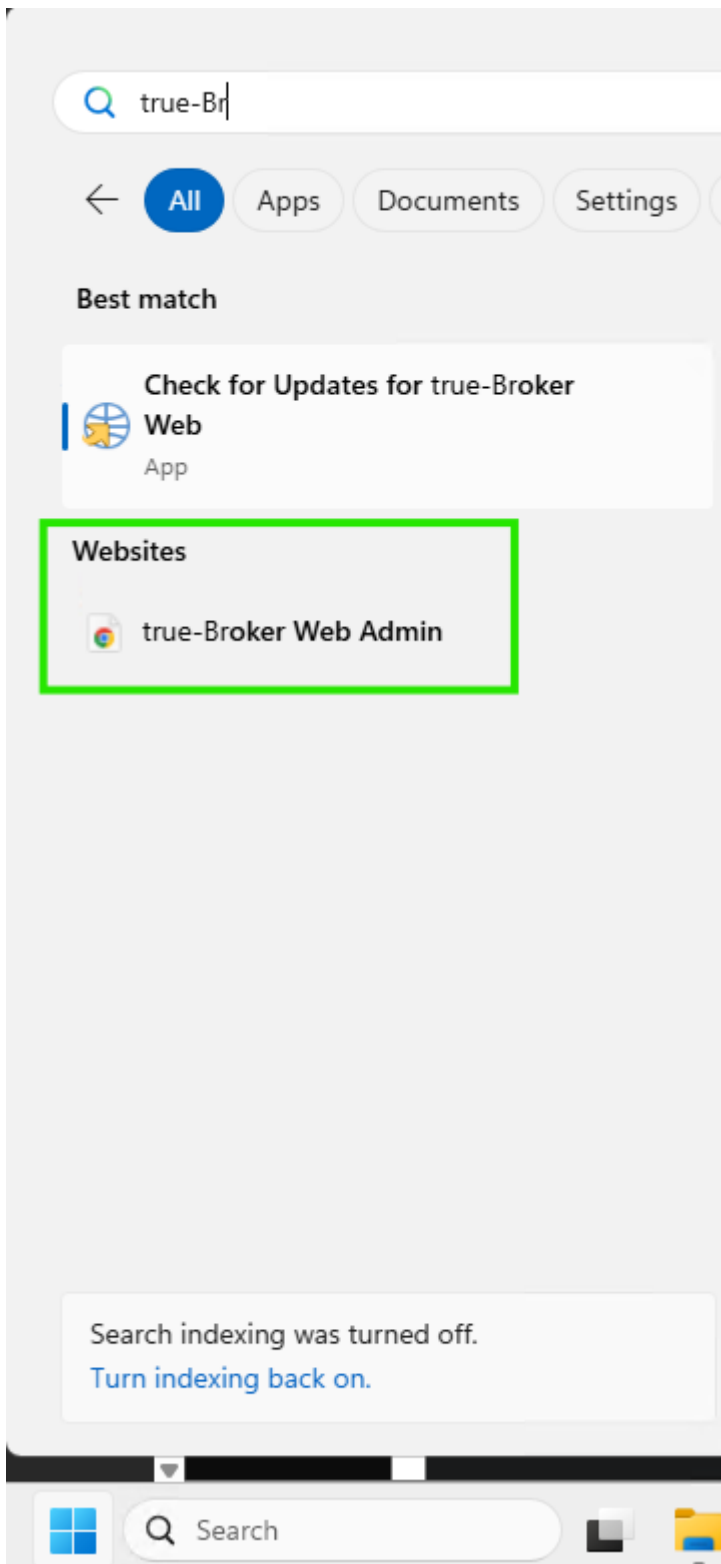
b) Install true-Broker Web by running the downloaded installer. To connect to UBS you require at least version 5.0 of true-Broker. The version is displayed at the bottom-right corner in true-Broker Web.

17. Configuration

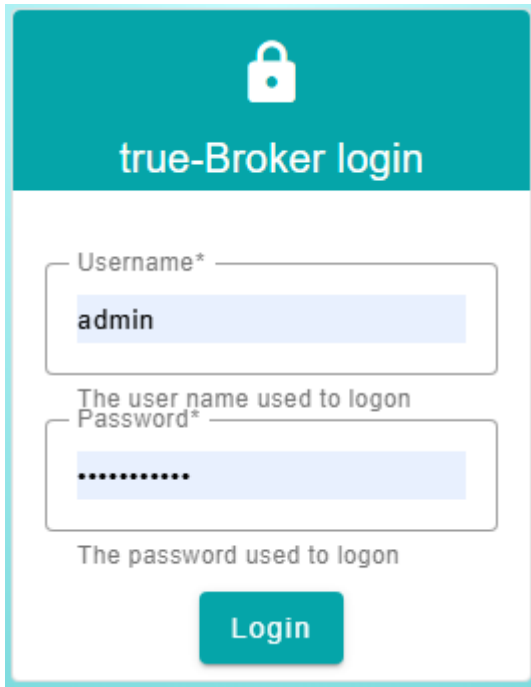
17.1. Add a client

Once the software is installed, you can start with the configuration of it as per the steps below:

a) Open true-Broker Web Admin via Start → *Programs* → *keyon* → *true-Broker Web Admin*



b) Login with user name 'admin' and Password = '12345678', click **Login**



The image shows a login form for 'true-Broker'. It has a teal header with a lock icon and the text 'true-Broker login'. Below the header, there are two input fields. The first is labeled 'Username*' and contains the text 'admin'. The second is labeled 'Password*' and contains a series of dots. Below the password field, there is a teal button labeled 'Login'.

Username*

The user name used to logon

Password*

The password used to logon

Login

c) true-Broker requires you to change the password after the first login. Please be aware that the passport **cannot be reset!** It is **your responsibility** to store the password in a secure place.



Change password

The password needs to be changed to start using true-Broker

There is no way to reset this password!
If it is lost the tool needs to be reinstalled.

Please make sure to store the password on a secure place!

Username

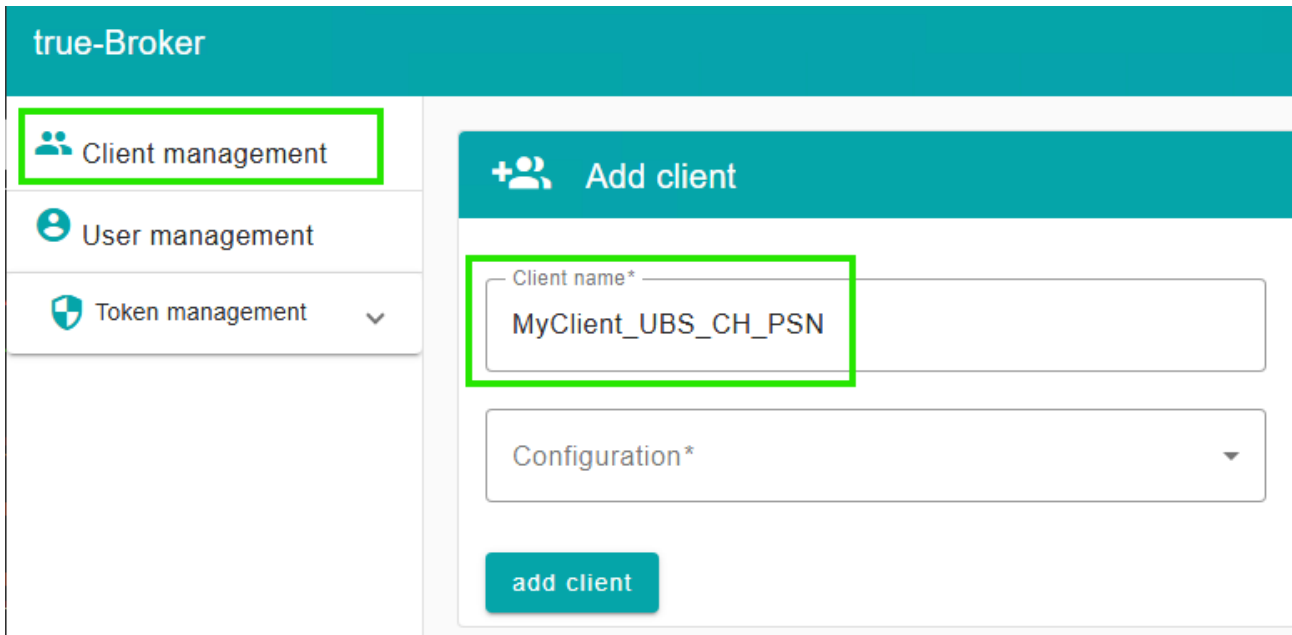
Old Password*

New Password*

Confirm Password

Save new password

d) Add client by entering a client name and it's booking center (e.g. MyClient_UBS_CH_PSN) **Do not use any whitespaces in the name.**



true-Broker

Client management

User management

Token management

+ Add client

Client name*
MyClient_UBS_CH_PSN

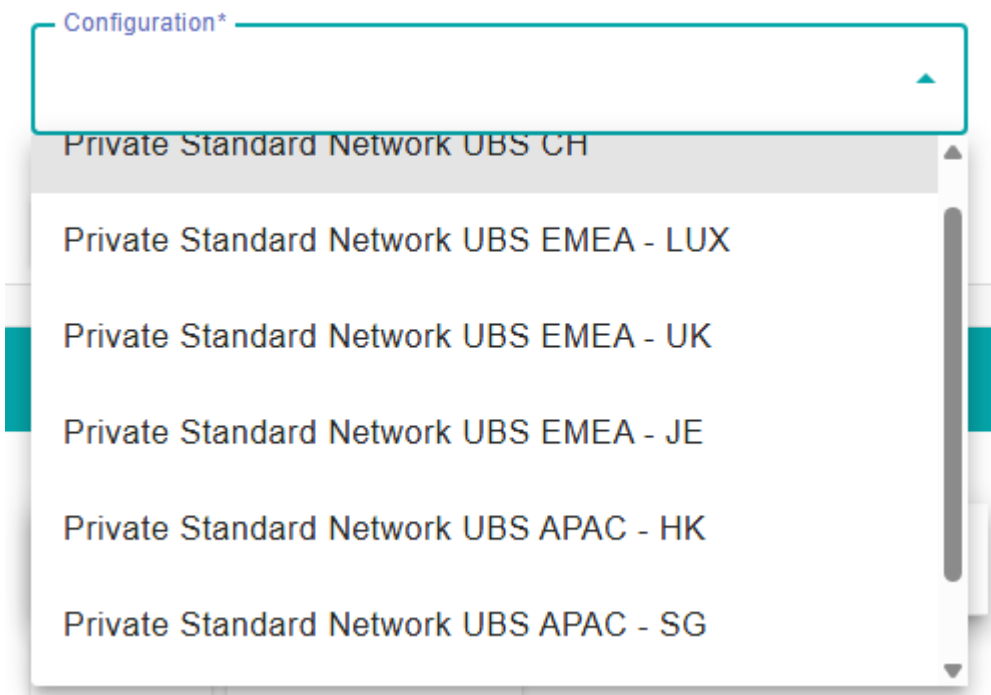
Configuration*

add client

e) Choose the correct Configuration based on where your accounts are booked.

For example:

- UBS Switzerland booked accounts:
 - Private Standard Network UBS CH
- UBS Luxembourg booked accounts:
 - Private Standard Network UBS EMEA - LUX



Configuration*

Private Standard Network UBS CH

Private Standard Network UBS EMEA - LUX

Private Standard Network UBS EMEA - UK

Private Standard Network UBS EMEA - JE

Private Standard Network UBS APAC - HK

Private Standard Network UBS APAC - SG

f) Click **Add client** and wait for one minute for the client to be deployed.


Add client

Client name*

MyClient_UBS_CH_PSN

Configuration*

Private Standard Network UBS CH

add client

g) Restart the windows service (TrueBrokerWeb) after the client was added.

17.2. Configure the client

a) Open the client by clicking on the client name

true-Broker
Logout

 Client management
 User management
 Token management


Add client

Client name*

Configuration*

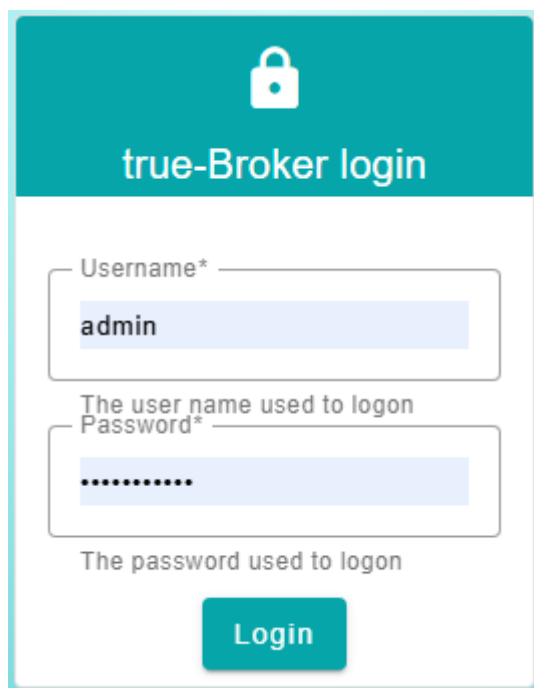
add client


Clients

☐	Client name	Status
☐	MyClient_UBS_CH_PSN	stopped

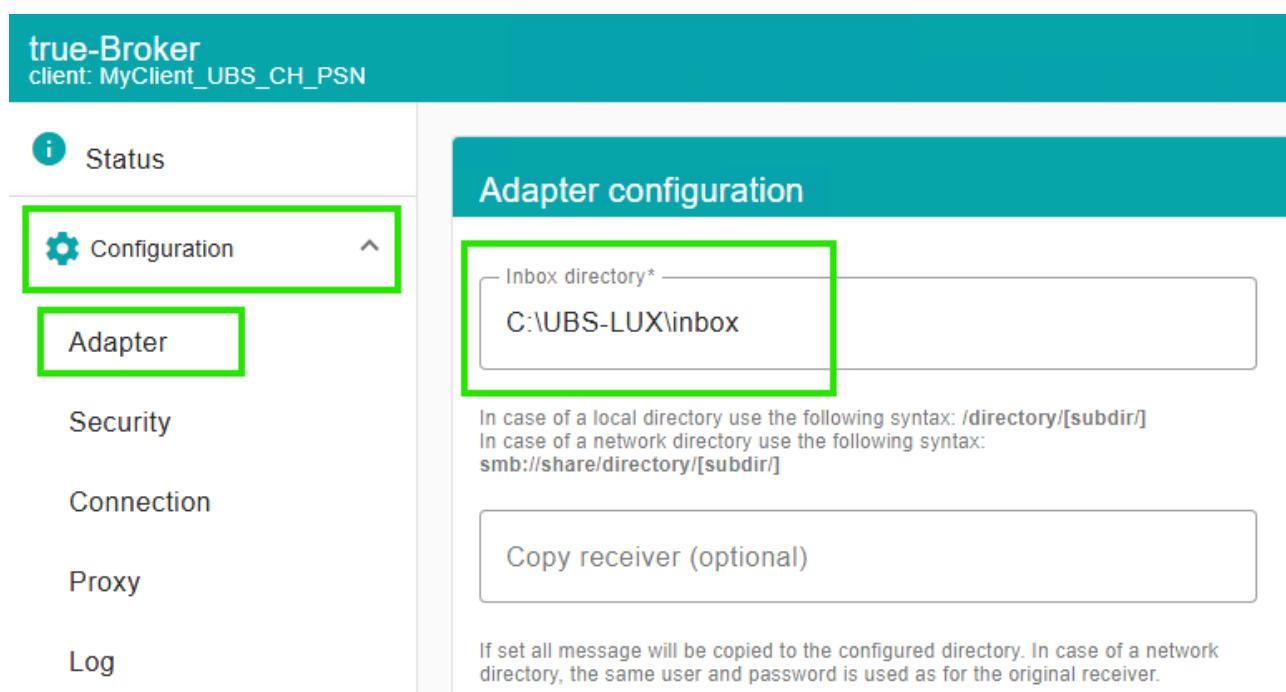
Refresh
Delete selected

b) Login with user name = admin and your password, click **Login**



The login form has a teal header with a lock icon and the text "true-Broker login". Below the header, there are two input fields: "Username*" with the value "admin" and "Password*" with masked characters. Below the password field is the text "The password used to logon". At the bottom is a teal "Login" button.

c) Configure download path by clicking Adapter, at Inbox directory set the path to an existing directory (e.g. C:\UBS-CH\inbox), then click **Save**



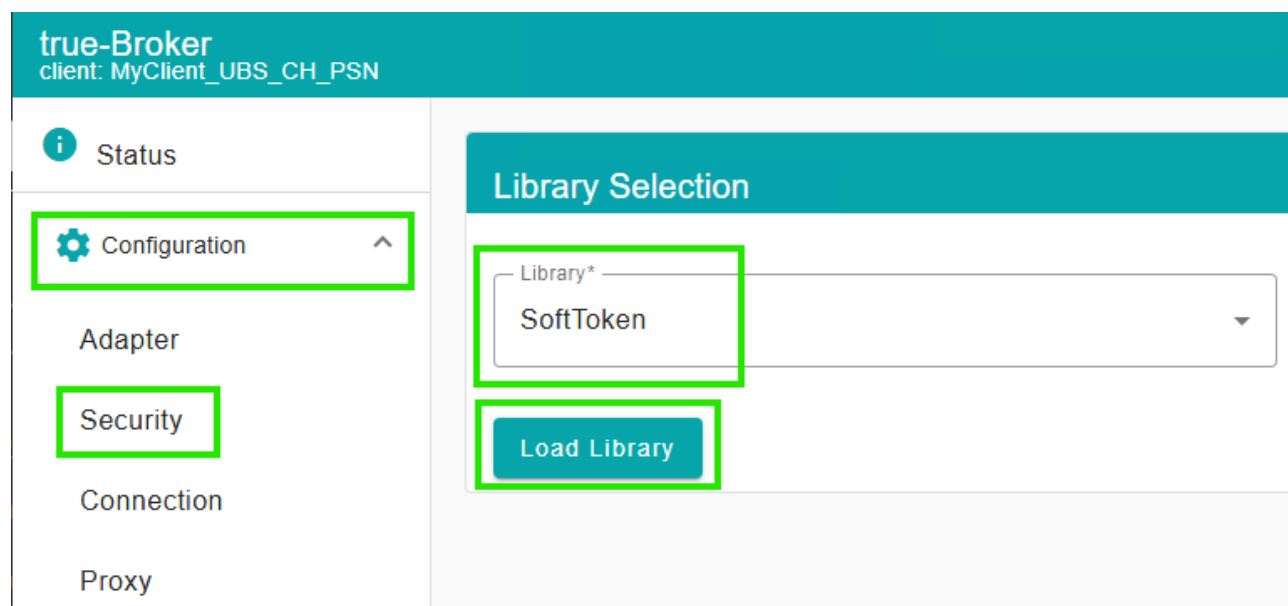
The configuration interface has a teal header with "true-Broker" and "client: MyClient_UBS_CH_PSN". On the left is a sidebar with "Status", "Configuration" (highlighted with a green box), "Adapter" (highlighted with a green box), "Security", "Connection", "Proxy", and "Log". The main area has a teal header "Adapter configuration". Below it is an "Inbox directory*" field (highlighted with a green box) containing "C:\UBS-LUX\inbox". Below this field is explanatory text about local and network directory syntax. At the bottom is a "Copy receiver (optional)" field and a note about copying messages.

17.3. Create the certificate

a) Configure security by clicking **Security**, select the appropriate Library:

- SoftToken

then click **Load Library**



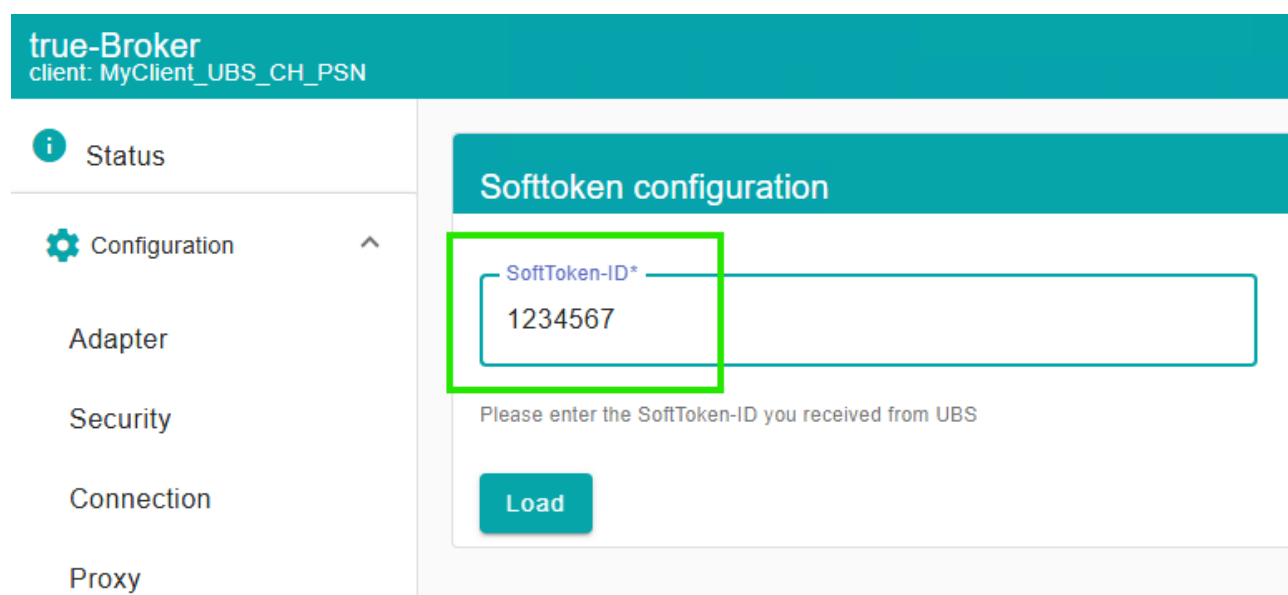
true-Broker
client: MyClient_UBS_CH_PSN

Library Selection

Library*
SoftToken

Load Library

b) Enter Contract-ID which you received by mail from UBS, then click **Load**. Example UBS-Contract-ID: **12345678**



true-Broker
client: MyClient_UBS_CH_PSN

Softtoken configuration

SoftToken-ID*
1234567

Please enter the SoftToken-ID you received from UBS

Load

c) Click again on **Security** to display the generated certificate

true-Broker
client: MyClient_UBS_CH_PSN

i

Status

⚙

Configuration

Adapter

Security

Connection

Proxy

Softtoken configuration

SoftToken-ID*

1234567

Please enter the SoftToken-ID you received from UBS

Load

Certificate successfully created

d) Send the created Certificate to UBS. You can find it at the bottom of the Security page. Copy it, save it as a .txt file (you can use Notepad for this) and send it to: sh-psn@ubs.com

Do NOT send the thumbprint via mail

Adapter

Security

Connection

Proxy

Log

Messages

☰ Logs

▶ SOAP Service

👤 User management

🏠 true-Broker Web Admin

Token Center

Alias

1234567 - (1a00f396736)

Alias

Password

Token password.

Login alias

1234567

Login alias (for UBS global auth)

Valid Until

17. 08. 2027

Certificate is valid until (dd.mm.yyyy)

Certificate thumbprint

D4:75:13:AA:86:30:C6:82:29:71:80:FD:FD:4F:C1:93:95:08:63:25:59:AE:DB:F5:DE:66:27:DA:7E:DC:AA:66

The thumbprint of your certificate (SHA256)

Certificate as String

-----BEGIN CERTIFICATE-----
MIIC7DCCAdSgAwIBAgI GAaAPOWc2MA0GCSqGSIb3DQ

Your certificate

Reconfigure

UBS now needs to register your newly created certificate on their side. For this you must schedule a call with the team (sh-psn@ubs.com). During this call, you share the thumbprint of your certificate with UBS. The thumbprint of your certificate is listed under Security, directly above your certificate. (Marked in blue)

17.4. Test and start your client

a) Open the client by clicking on the client name

true-Broker
Logout

Client management
User management
Token management

+ Add client

Client name*

Configuration*

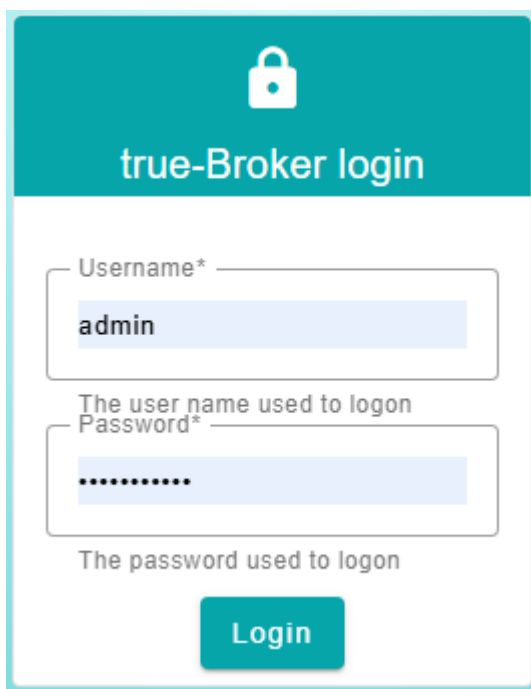
add client

+ Clients

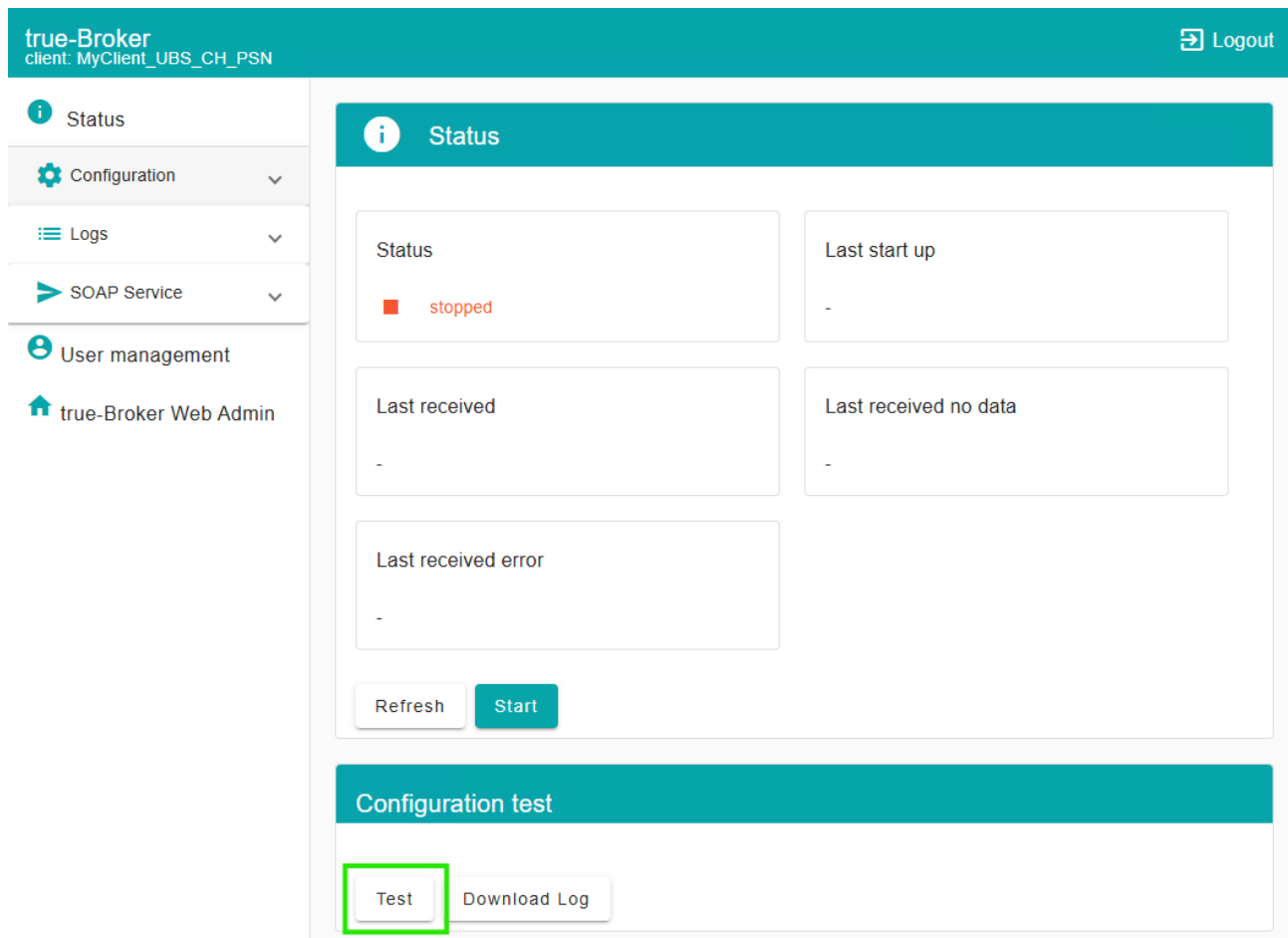
☐	Client name	Status
☐	<u>MyClient_UBS_CH_PSN</u>	stopped

Refresh
Delete selected

b) Login with username 'admin' and your password, click **Login**



c) Run Configuration Test by clicking **Status** on the left, then click **Test**



d) Start the client by clicking **Start** (once the connection test was successful)

Done! Your downloaded files will now be saved in the configured directory

18. Troubleshoot

If the connection is not working as expected, please execute the test as described above. Then check the error which is shown.

18.1. Contract unknown

The test is not successfull and shows below error: **Contract** unknown

Configuration test

Adapter configuration successfully tested.

Security configuration successfully tested.

Connection test failed: Auth failed because contract is unknown to UBS. Please check with UBS directly if this contract: 1234567 is valid for location code: 041.

SOAP Connection not available.

Test

Download Log

The above error means, that either your contract number is wrong or you have chosen the wrong booking location. Please double check that the contract number is correct and that you have chosen the right location. The Booking Codes mentioned in the error are mapped as per below table. If you are unsure what to choose, please contact your client advisor of UBS to clarify it.

Location	Code
Hong-Kong	030
Jersey	036
Luxembourg	041
Singapore	046
Switzerland	001
United Kingdom	023

18.2. Certificate unknown

The test is not successfull and shows below error: **Certificate** unknown

Configuration test

Adapter configuration successfully tested.

Security configuration successfully tested.

Connection test failed: Auth failed because the certificate is unknown to UBS. Please check with UBS directly if your certificate was loaded for the contract: 14821769 in location code: 001.

SOAP Connection not available.

The above error means, that UBS did not yet load your certificate on their side. Please wait until you receive the confirmation from UBS that your certificate was activated. After that, the test should result in a success.

19. Support

In case you see a different error or you need further assistance. Please **download** the log file of the test as per the screenshot below and provide it to our support team at: servicedesk@sits.com

Configuration test

Adapter configuration successfully tested.

Security configuration successfully tested.

Connection test failed: Auth failed because the certificate is unknown to UBS. Please check with UBS directly if your certificate was loaded for the contract: 14821769 in location code: 001.

SOAP Connection not available.

Test

Download Log

20. Installation Manual Linux V-5.1.0

21. Overview

true-Broker enables UBS customers to automatically exchange data with B2B applications of UBS over the Internet. true-Broker Web is responsible to establish a secure communication with the UBS Web-Portal. The communication is secured using 128bit SSL/TLS with mutual certificate based authentication.

true-Broker Web is a Web application running on an Apache Tomcat server.

true-Broker Web is multi-client capable. true-Broker Web Administration may be used to manage the client instances of true-Broker Web. For each client a specific true-Broker Web application instance is deployed on Apache Tomcat which separates it from the other clients.

The configuration of each true-Broker Web client instance is held in an internal data base.

true-Broker Web additionally offers a Web service interface for real time message exchange. The supported operations of the Web service interface are:

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- Receive a message from the target system

21.1. System Requirements

Operating systems

- RPM Based Linux Systems

Software

- true-Broker Web 5.0.x or newer
- Softtoken
 - OpenDNSSEC - Softhsm2
- nss-tools
- compat-openssl11

Hardware

- 20 GB free hard disk
- 8 GB RAM

Other

- root rights

- https access to the Internet (proxy configuration parameters if required)
- Unbound local port 8645/8646
- Firewall allowing connections to <http://localhost:8645> and/or <https://localhost:8646>

22. Packages

The packages can be downloaded under:

<https://products.sits.services/books/true-broker/chapter/releases>

23. Installing true-Broker Web

23.1. Install SoftHsm2

Install the SoftHsm2 software as follows.

```
rpm -i softhsm-2.6.0-3.module.x86_64.rpm
```

23.2. User/Group

Create a new group account *keyon*. Create a new user account *keyon*. The third line ensures that the *keyon* account has write access to the directory */var/lib/softhsm/tokens*.

```
groupadd keyon    useradd -g keyon keyon    usermod -a -G ods keyon
```

23.3. Installing true-Broker Web Software

All software components are delivered as Linux packages. Follow the steps below to install the software packages:

```
rpm -i KEYON-TBW-JRE.adm64.rpm --force
```

```
rpm -i KEYON-TBW-SRV.adm64.rpm --force
```

```
rpm -i KEYON-TBW-DB.adm64.rpm --force
```

```
rpm -i KEYON-TBW-APP.adm64.rpm --force
```

24. Configure true-Broker

24.1. SSL Certificate Configuration

True-Broker is a web application based on tomcat. Therefore, it's good practice to encrypt the communication with SSL. To do so, an SSL Certificate needs to be created matching your hostname, or at least "localhost" if you do not intend to access true-broker from remote.

The certificate can potentially be issued using your internal PKI system. Otherwise, a self-signed certificate can be issued using OpenSSL. Please refer to the OpenSSL manual for more details.

The certificate needs to be configured in below file.

```
/opt/keyon/trueBroker/server/conf/server.xml
```

Adjust the certificate tag within the connector port 8646 to your certificate. Paste the path to your certificate into the `certificateKeystoreFile` parameter and the password into the `certificateKeystorePassword` parameter

```
<Connector
  port="8646"
  maxHttpHeaderSize="8192"
  maxThreads="100"
  minSpareThreads="25"
  maxSpareThreads="75"
  enableLookups="false"
  disableUploadTimeout="true"
  Server = " "
  acceptCount="100" SSLEnabled="true">
  <SSLHostConfig
    honorCipherOrder="true"
    protocols="TLSv1.2,TLSv1.3"
    ciphers="ECDHE - ECDSA - AES256 - GCM...GCM - SHA256">
    <Certificate
      certificateKeystoreFile="_____conf/ssl/keystore\_localhost.pfx_____" c
ertificateKeystorePassword="_____password_____" certificateKeystoreType="PKCS12" /
    >
  </SSLHostConfig>
</Connector>
```

The default path to store the certificate is:

```
/opt/keyon/trueBroker/server/conf/ssl/keystore_localhost.pfx
```

24.1.1. Add certificate to trust store

Add the newly created certificate or if available the certificate of its issuing CA to the true-Store used by true-broker

```
cd /opt/keyon/trueBroker/jre/lib/security
```

```
/opt/keyon/trueBroker/jre/lib/security>../../bin/keytool -importcert -file
<pathToCertificate> -keystore cacerts -alias "trueBrokerCaCert"
```

The default password of the JRE trust store is: changeit

Afterwards please restart the service. See chapter 4.

24.1.2. Allow HTTP access

In case you do not want to issue a certificate, you can allow the plain HTTP connection to true-Broker. To do so, remove the below file:

```
rm -f /opt/keyon/trueBroker/server/conf/web.xml
```

And rename the file “web_UNENCRYPTED.xml” to “web.xml”

```
cd /opt/keyon/trueBroker/server/conf/
```

```
/opt/keyon/trueBroker/server/conf/>mv web\_UNENCRYPTED.xml web.xml
```

25. Start/stop true-Broker Web

Start true-Broker Web using the following script:

```
systemctl start trueBroker
```

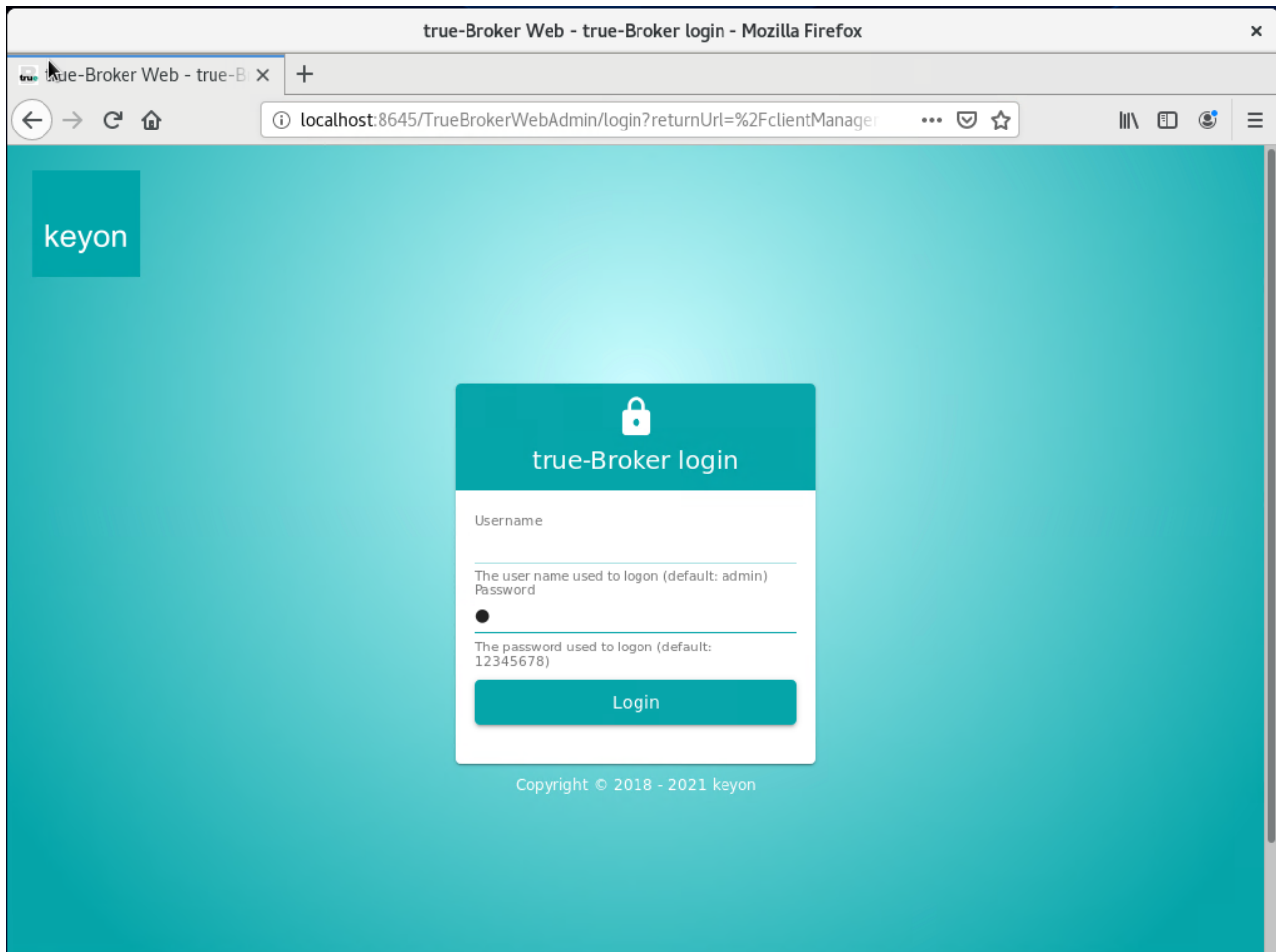
Stop true-Broker Web using the following script:

```
systemctl stop trueBroker
```

26. Access true-Broker

The URL to access true-Broker Web Administration is:

<http://localhost:8645/TrueBrokerWebAdmin>



Please consult the true-Broker Web – User Manual to configure true-Broker Web.



27. User Manuals

true-Broker user manuals

28. User Manual V-5.1.0

29. Overview

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29.1. System Requirements

Operating systems

- Microsoft Windows Server 2016 x64 or higher
- Microsoft Windows 10 x64

Software

- true-Broker Web 5.x
- Token middleware (optional)
- SafeNet Authentication Client 10 or higher

Hardware

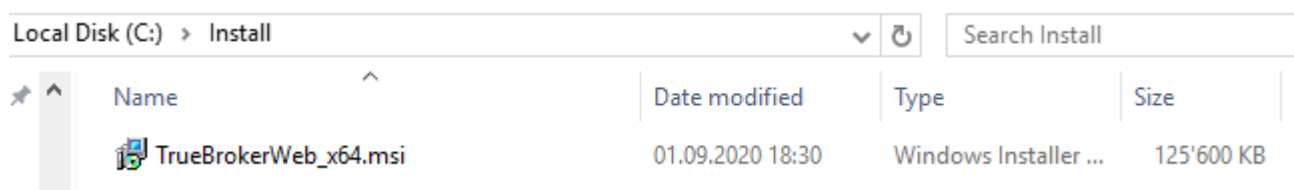
- 20 GB free hard disk
- 4 GB RAM
- free USB port (optional)
- Token (optional)

Other

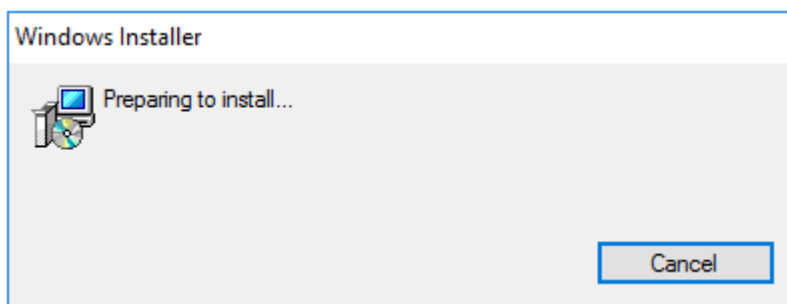
- Administrator rights
- https access to the Internet (proxy configuration parameters if required)
- Unbound local port 8645 and 8646
- Firewall allowing connections to <https://localhost:8646>

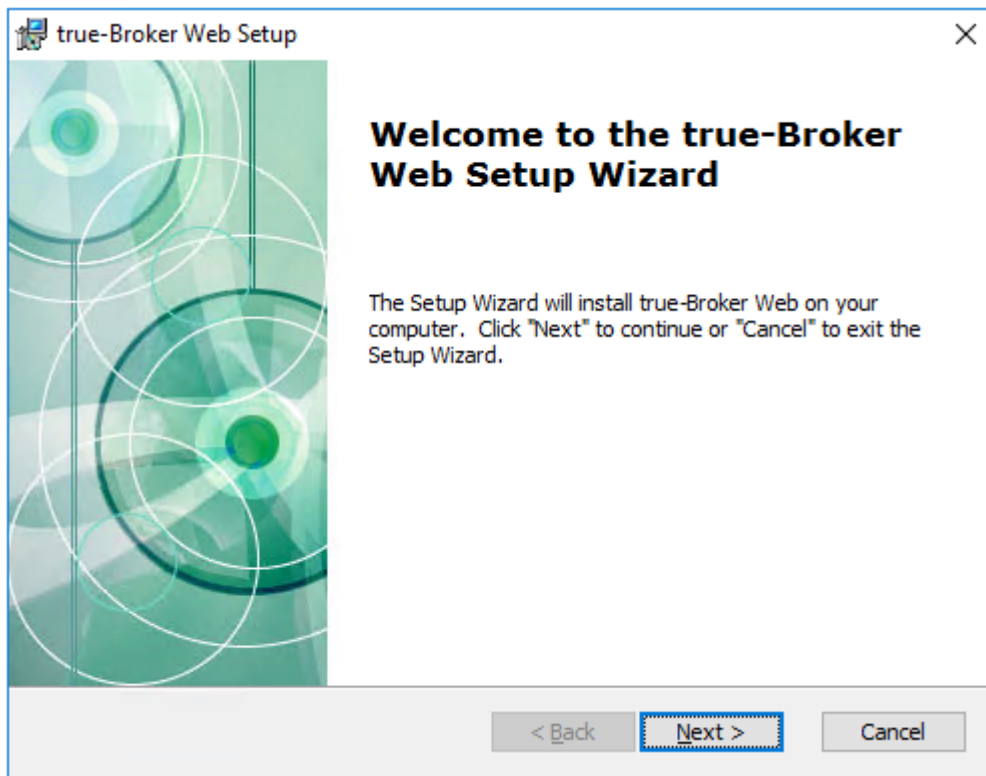
30. Installing true-Broker Web

The true-Broker Web installation is based on Windows Installer Packages. Please navigate to the TrueBrokerWeb.msi.

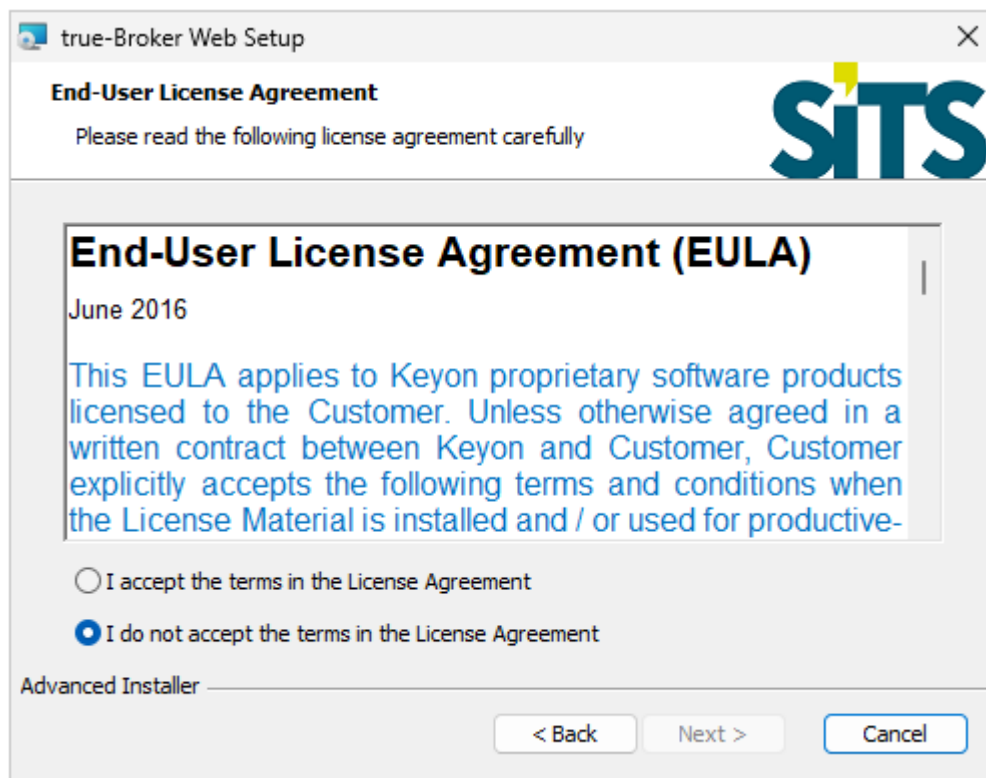


Double-click the TrueBrokerWeb.msi to start the installation process.

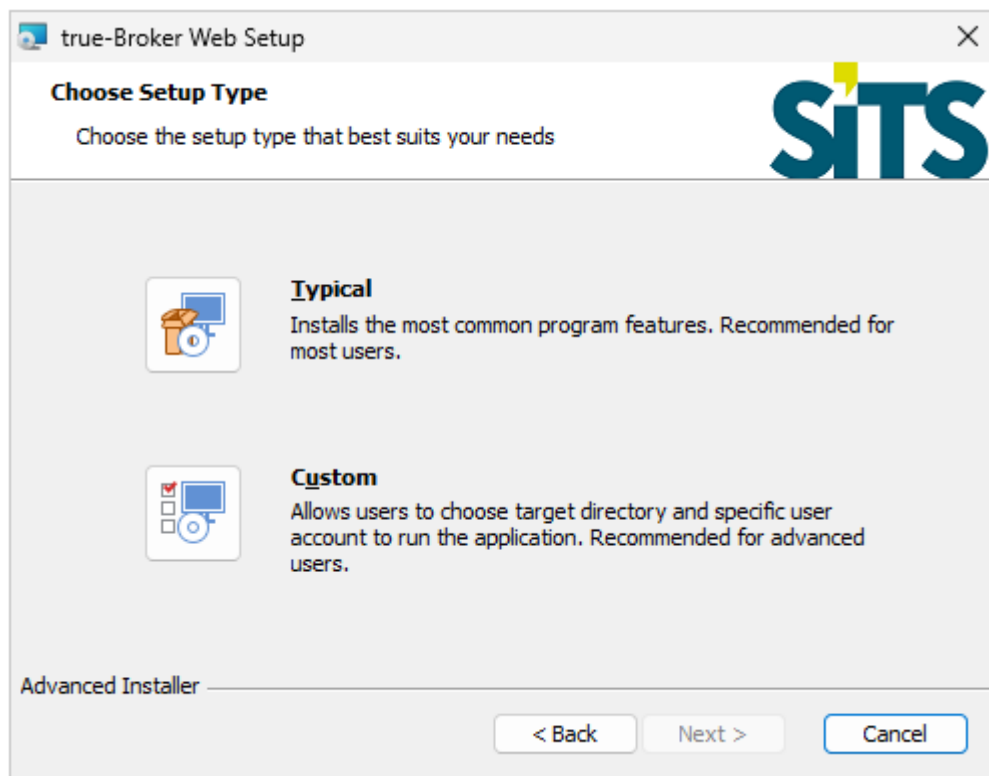




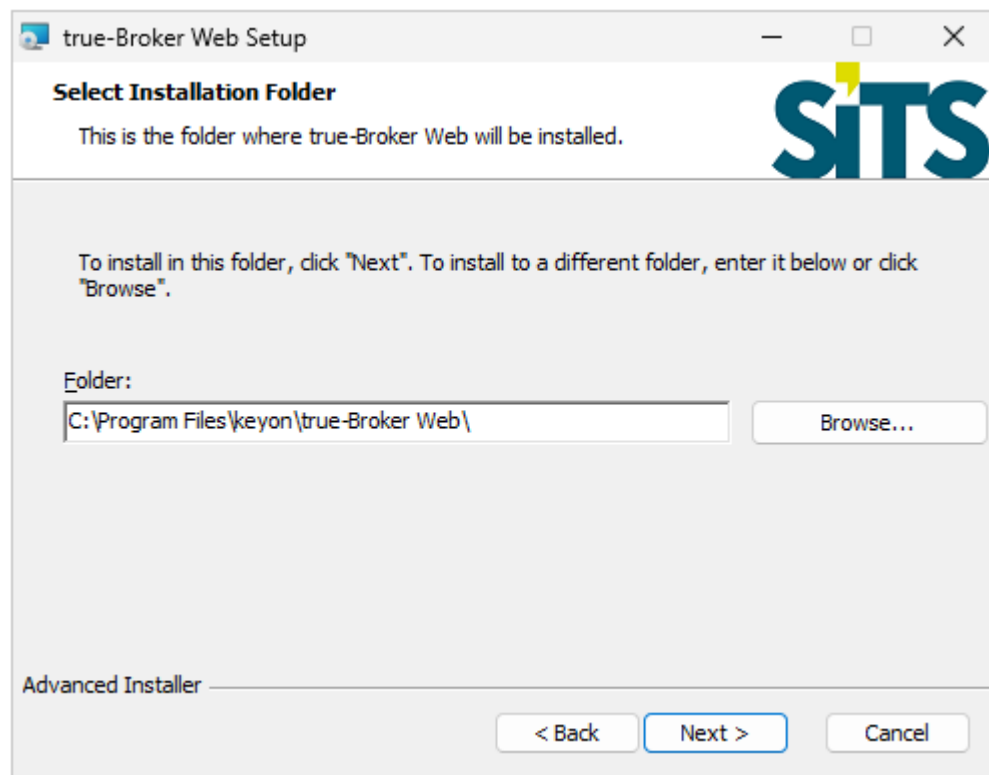
Press **Next** to continue or **Cancel** to abort the installation process.



Please accept the EULA to use true-Broker. Press **Next** to continue.



Please select **Typical** to install true-Broker with default parameters. Press **Next** to continue.





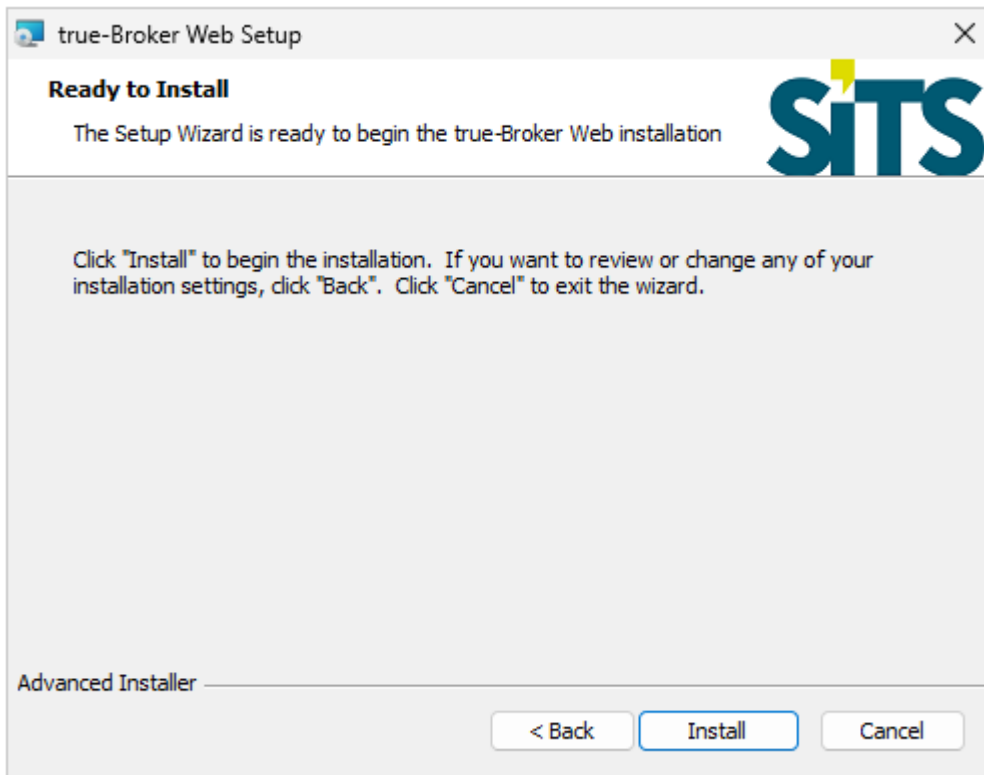
In case you choose **Custom**

Please select the folder where to install true-Broker Web. Press **Next** to continue.

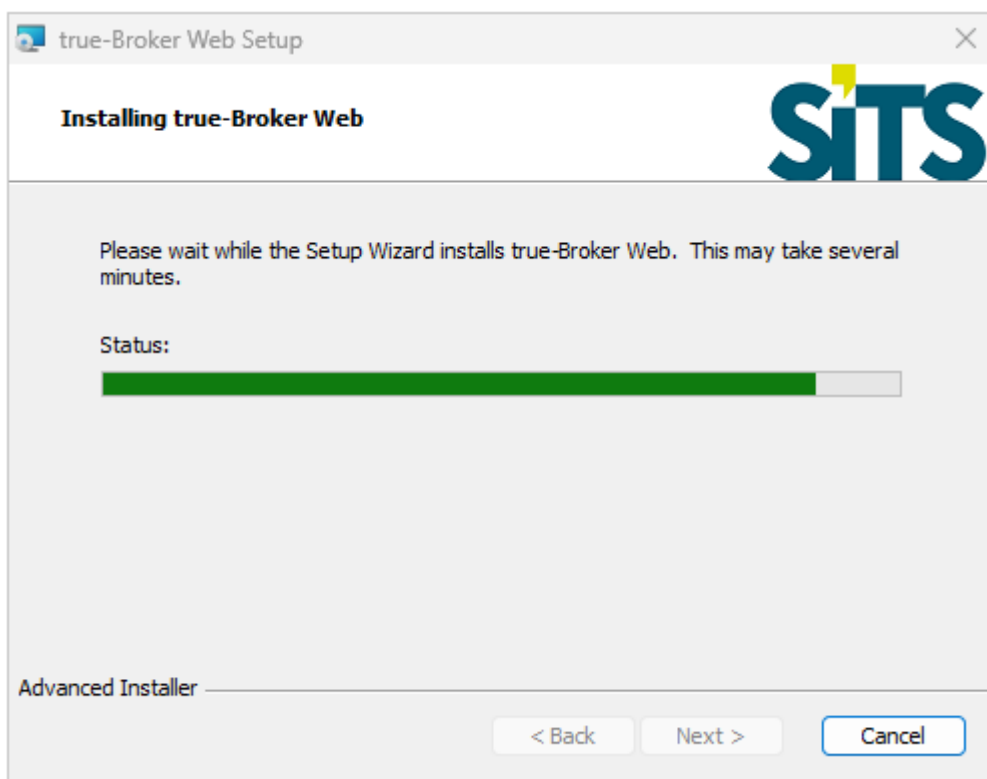
A screenshot of the 'true-Broker Web Setup' dialog box. The title bar reads 'true-Broker Web Setup' with a close button (X) on the right. The main area has a header 'Logon Information' with the subtitle 'Specify user account information'. The SITS logo is in the top right corner. There are three input fields: 'User Name:' with 'LocalService' entered, 'Domain:' with 'NT Authority' entered, and 'Password:' which is empty. At the bottom, there is a section labeled 'Advanced Installer' and three buttons: '< Back', 'Next >' (highlighted with a blue border), and 'Cancel'.

In case you choose **Custom**

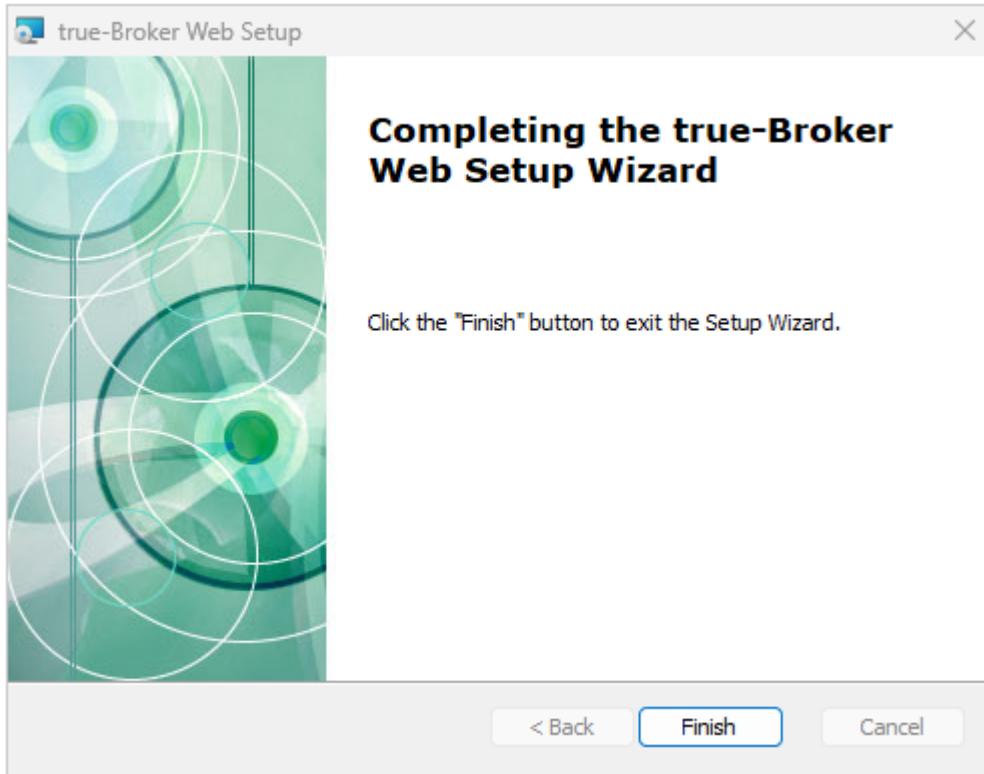
Please enter the User under which true-Broker should be executed. Or leave the default **LocalService** user. Press **Next** to continue.



Click **Install** to start the installation.



The installation process copies the necessary files to the previously defined installation directory, installs Apache Tomcat as a Windows Service and starts it.

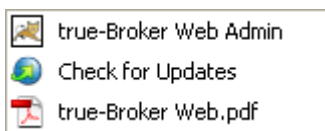


Press **Finish** to end the installation process.

31. Updating true-Broker Web

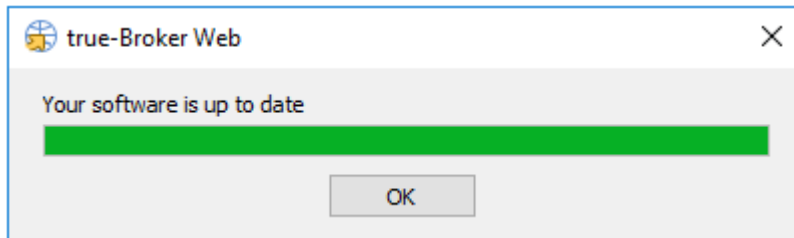
31.1. Using Check for Updates

Use the Check for Updates menu item in the keyon → true-Broker Web menu to start the update process.

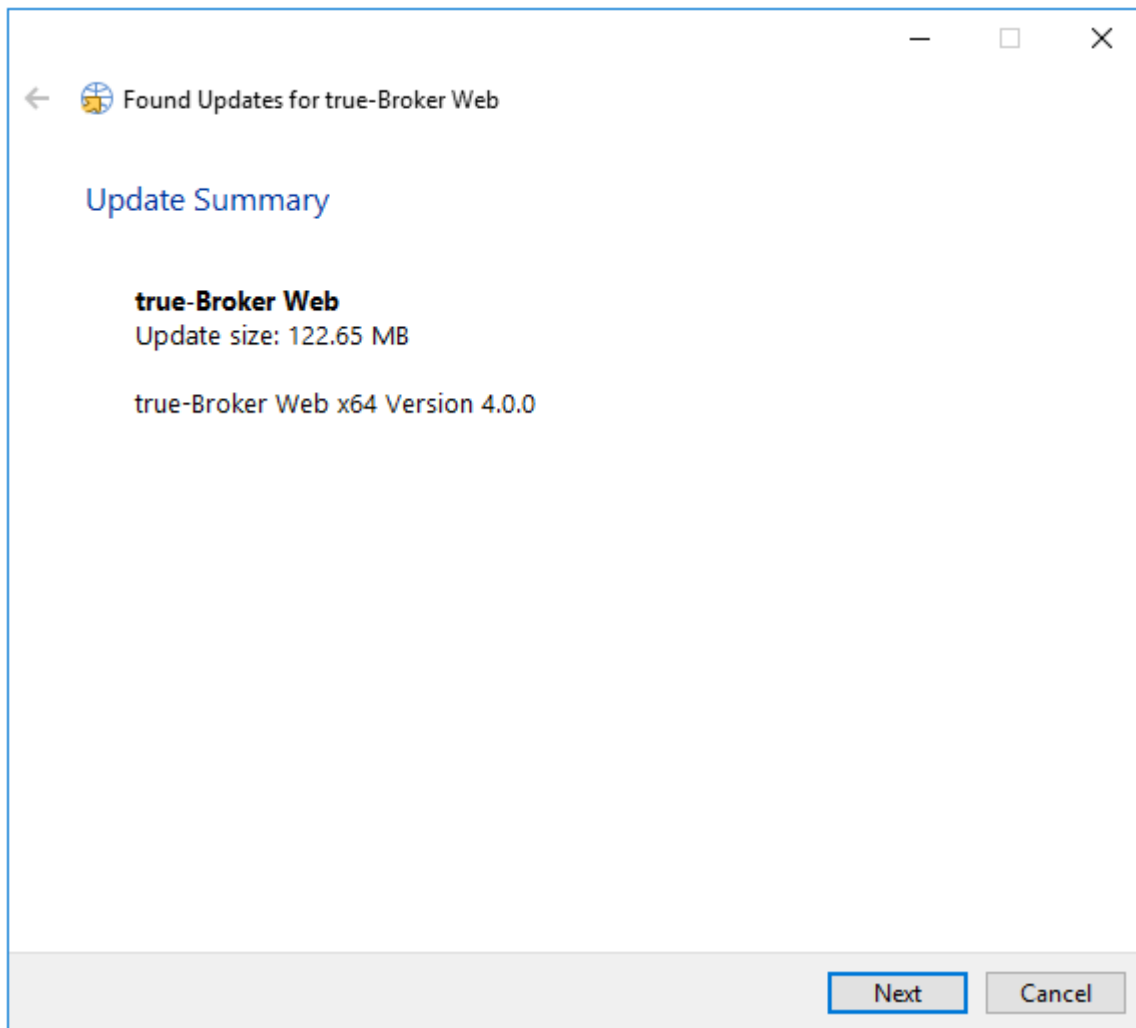


The update process checks online whether updates are available. The update process uses the Internet Explorer connection settings to establish a connection to the update page using http. The update page is located on <https://www.keyon.ch>.

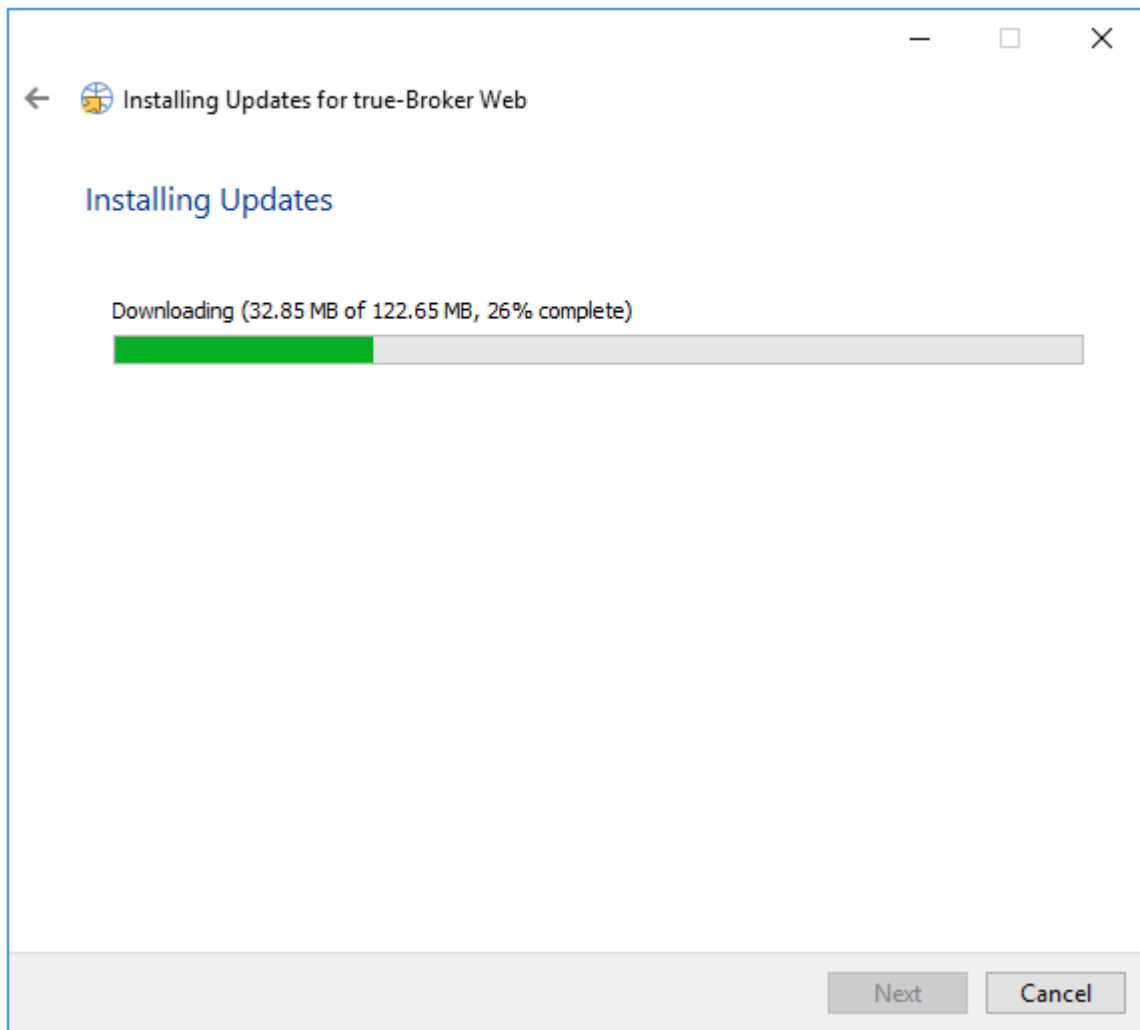
If your true-Broker Web Installation is up to date the following message window is displayed.



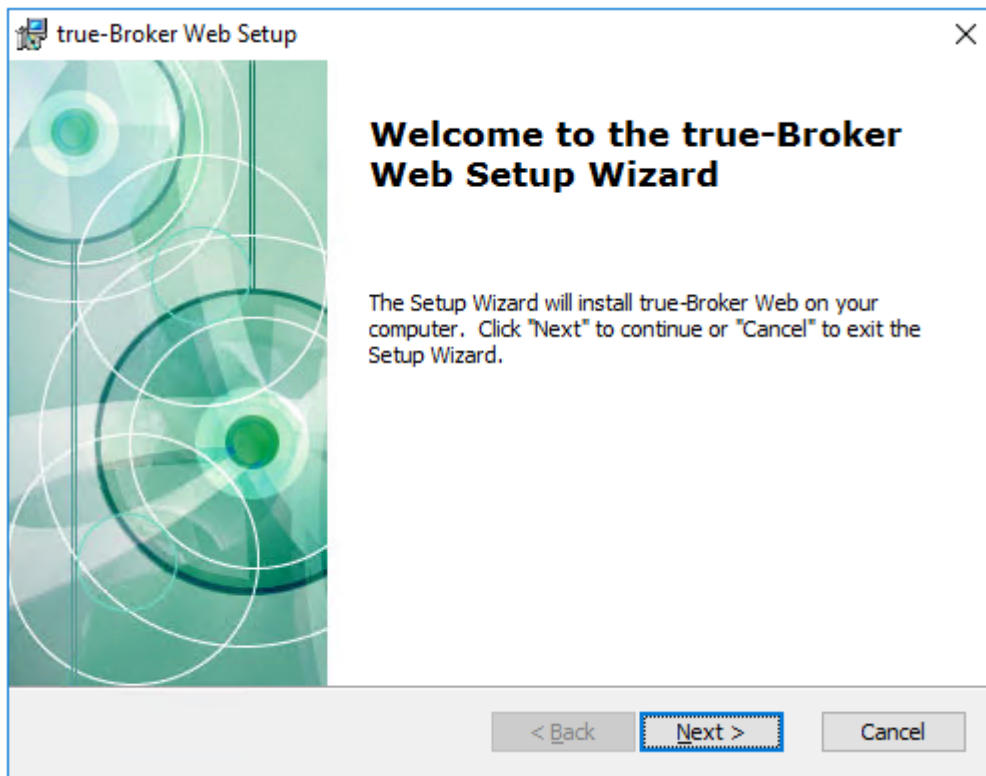
If an update is available, the following window is displayed.



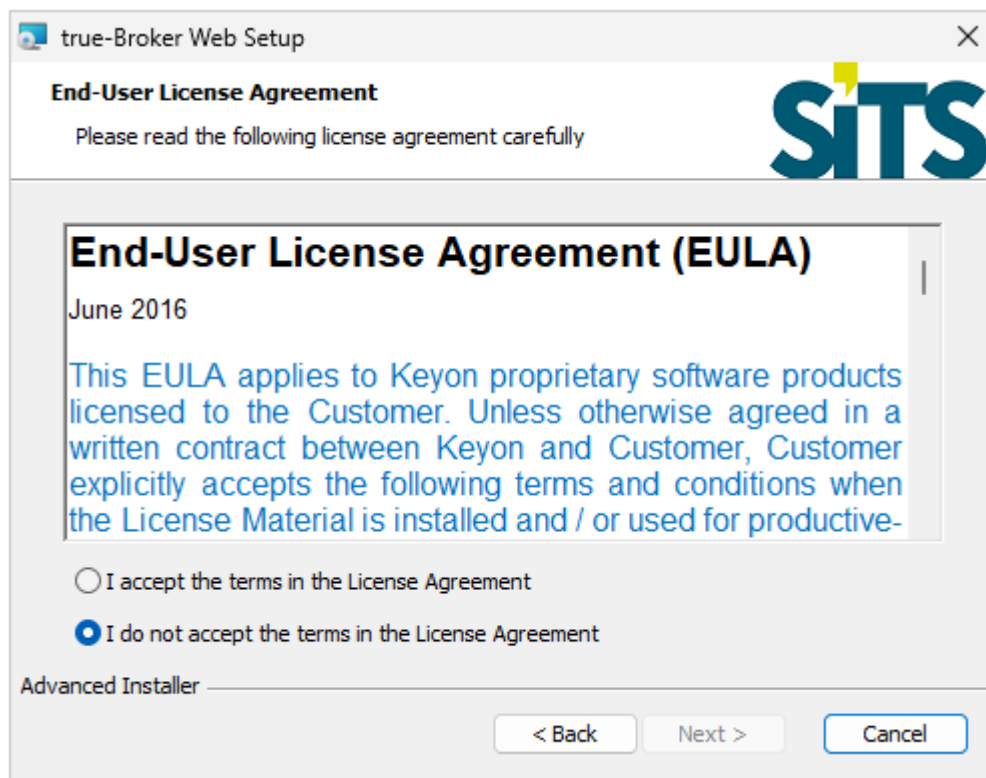
Press **Next** to start the update process.



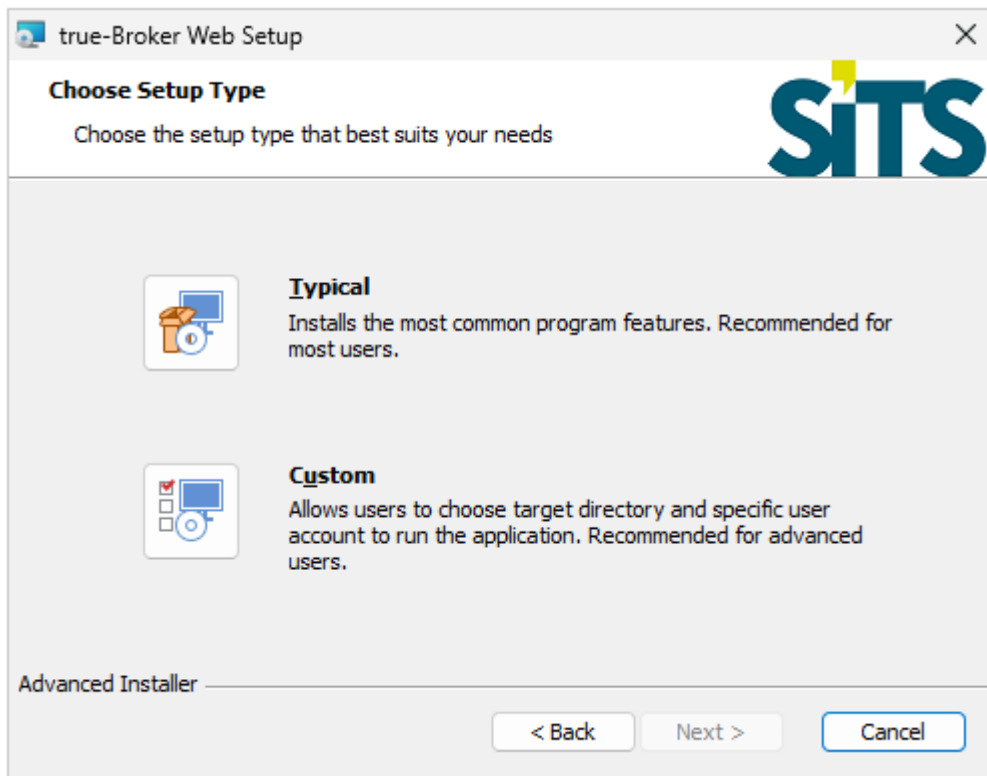
The update process downloads the patch and starts the patch installation process.



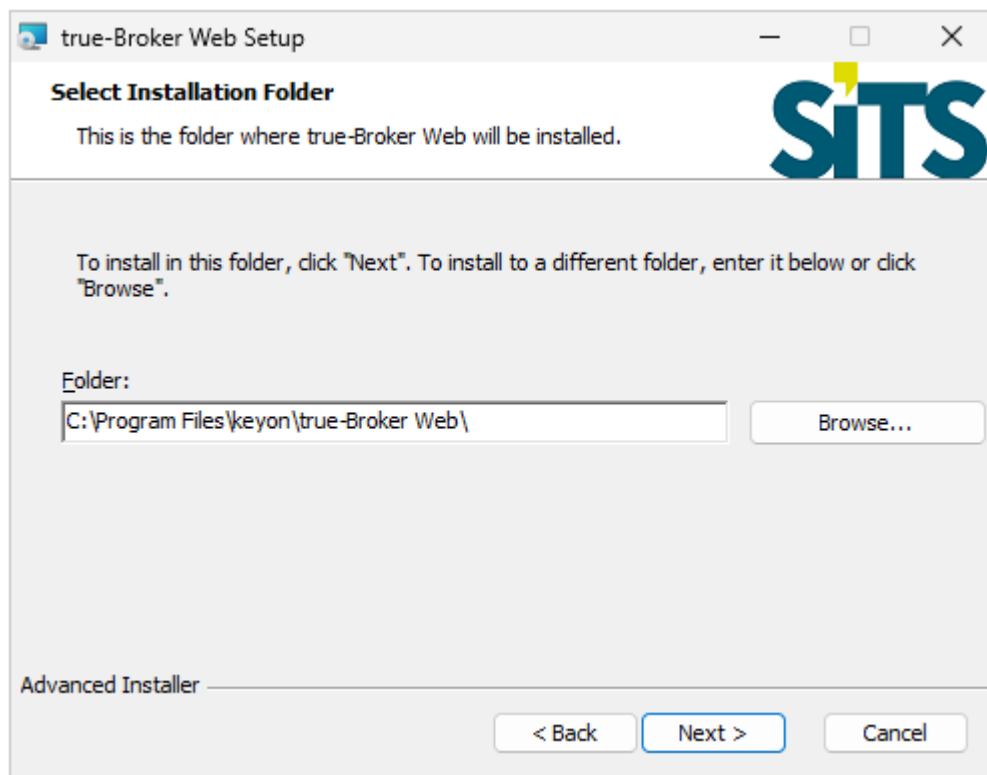
Press **Next** to start the patch install process.



Please accept the EULA to use true-Broker. Press **Next** to continue.



Please select **Typical** to install true-Broker with default parameters. Press **Next** to continue.





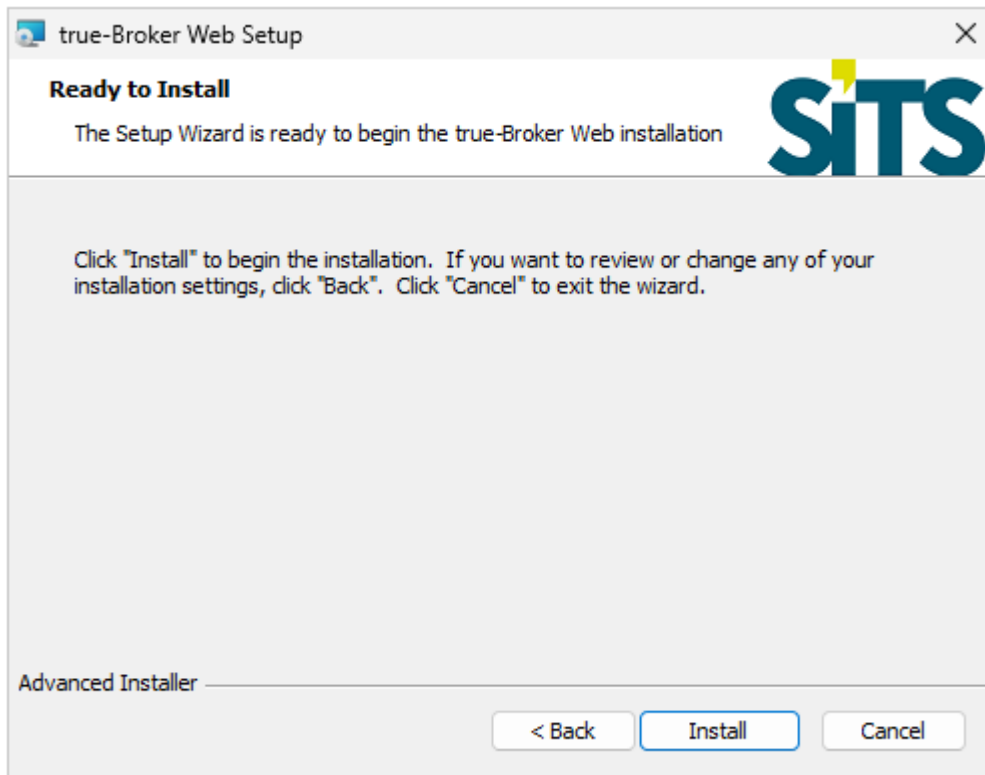
In case you choose **Custom**

Please select the folder where to install true-Broker Web. Press **Next** to continue.

A screenshot of the 'true-Broker Web Setup' dialog box. The title bar reads 'true-Broker Web Setup' with a close button (X) on the right. The main area has a header 'Logon Information' and a subtitle 'Specify user account information'. The SITS logo is in the top right corner. There are three input fields: 'User Name:' with 'LocalService' entered, 'Domain:' with 'NT Authority' entered, and 'Password:' which is empty. At the bottom, there is a section labeled 'Advanced Installer' and three buttons: '< Back', 'Next >' (highlighted with a blue border), and 'Cancel'.

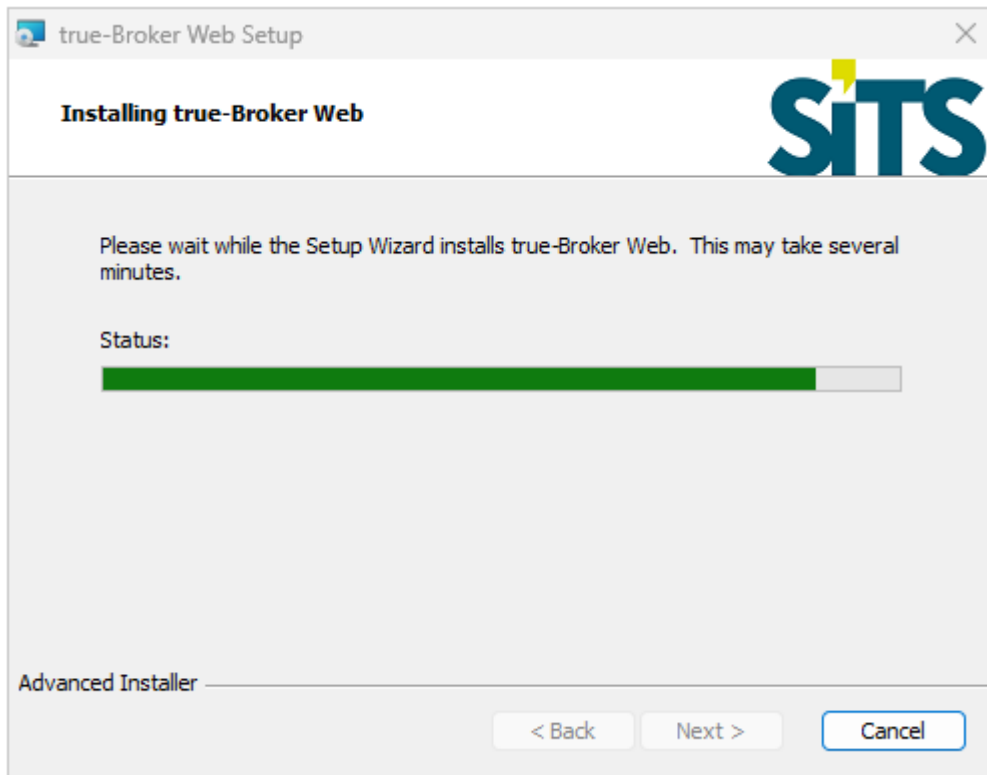
In case you choose **Custom**

Please enter the User under which true-Broker should be executed. Or leave the default LocalService user. Press **Next** to continue.

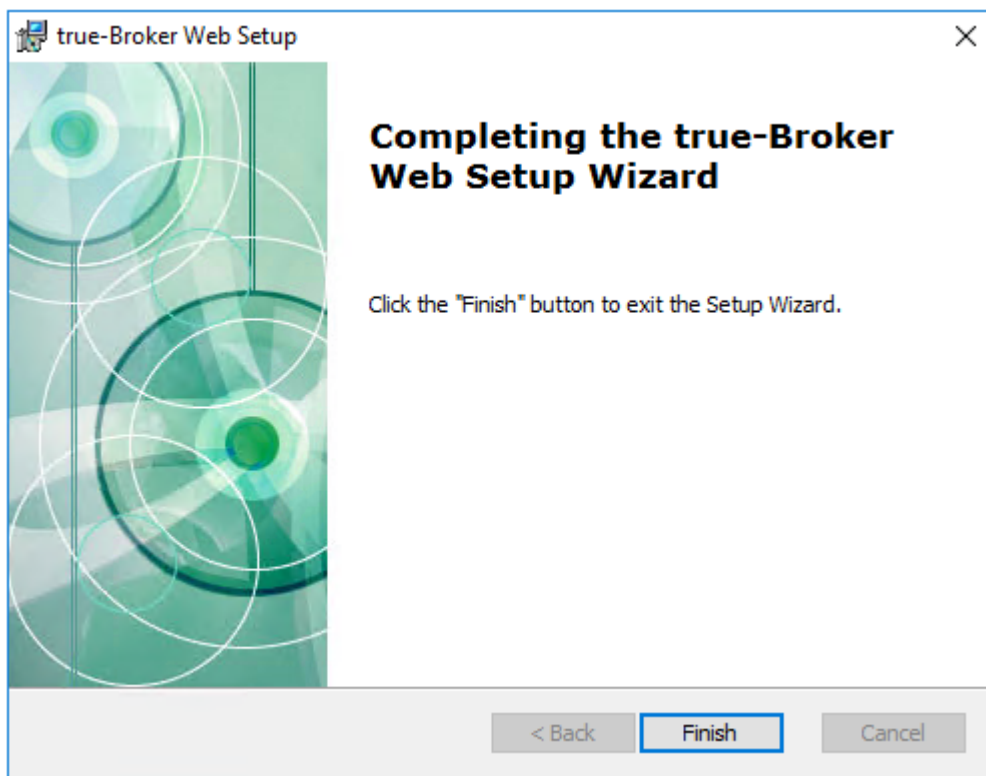


Click ***Install*** to start the installation.

The database holding the true-Broker Web configuration will not be changed during the patch installation process.



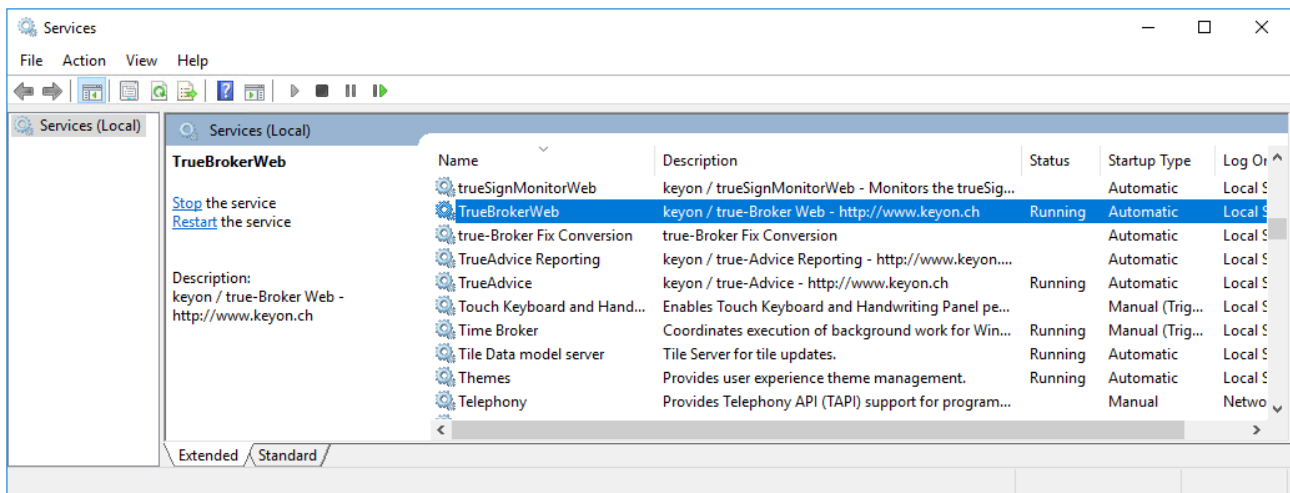
During the patch installation process the Apache Tomcat Windows service is stopped and the new files are copied to the installation directory.



Press **Finish** to terminate the patch installation process. At the end of the patch installation process the Apache Tomcat Windows service is restarted.

32. True-Broker Web Windows service

The installation process tries to install true-Broker Web as a Windows service. The Windows service is named TrueBrokerWeb. If true-Broker Web has been installed as a Windows service, you can use the Microsoft Services Console to administrate the service.



To install true-Broker Web as a Windows service Administrator rights are needed.

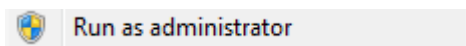
32.1. Configure true-Broker Web Windows service

Before changing the true-Broker Web Windows service configuration stop the service using the Microsoft Services Console.

To change the true-Broker Web Windows service configuration open the file:

C:\Program Files\keyon>true-Broker Web>trueBrokerWeb.ini

On an operating system with UAC enabled run the editor as administrator.



```

\[Application\]
Application Type=service

Override WorkingDir=yes

\[Product Information\]

Upgrade Code={742F478B-345E-4FD7-98D5-91BEBB77E61B}

```



Product Code={74B7B5B0-15C0-4C0F-B8EE-90FAAF5237D8}

Product Name=true-Broker Web

\[Class Path\]

Class Path=C:\\Program Files\\keyon\\true-Broker Web\\server\\bin*.jar;C:\\Program Files\\keyon\\true-Broker Web\\server\\lib*.jar;

\[Java Runtime Environment\]

JRE Path=C:\\Program Files\\keyon\\true-Broker Web\\jre64\\

Main

Class=ch.keyon.advancedinstaller.service.tomcat.AdvancedInstallerWin32ServiceTomcat

JVM Source=favor_JDK

Virtual Machine Parameters=-Xms128M -Xmx1024M -Dderby.system.home="C:\\Program Files\\keyon\\true-Broker Web\\db" -Djava.util.logging.config.file="C:\\Program Files\\keyon\\true-Broker Web\\server\\conf\\logging.properties"
-Djava.util.logging.manager=org.apache.juli.ClassLoaderLogManager
-Djava.endorsed.dirs="C:\\Program Files\\keyon\\true-Broker Web\\server\\endorsed"
-Dcatalina.base="C:\\Program Files\\keyon\\true-Broker Web\\server"
-Dcatalina.home="C:\\Program Files\\keyon\\true-Broker Web\\server"
-Djava.io.tmpdir="C:\\Program Files\\keyon\\true-Broker Web\\server\\temp"
-Dsun.security.ssl.allowUnsafeRenegotiation=true
-Dch.keyon.truebroker.admin.softtoken=false -Dch.keyon.truebroker.admin.test=false
-Dch.keyon.truebroker.receiver.threadPoolSize=1
-Dcom.sun.xml.ws.fault.SOAPFaultBuilder.disableCaptureStackTrace=false
-Dlogfile.lifetime.days=30 -Dch.keyon.truebroker.data.home="C:\\ProgramData\\keyon\\true-Broker Web\\" -XX:PermSize=128m -XX:MaxPermSize=256m

JVM Type=favor_server

Library Path=C:\\Program Files\\keyon\\true-Broker Web\\server\\bin\\;

Maximum Version=1.6

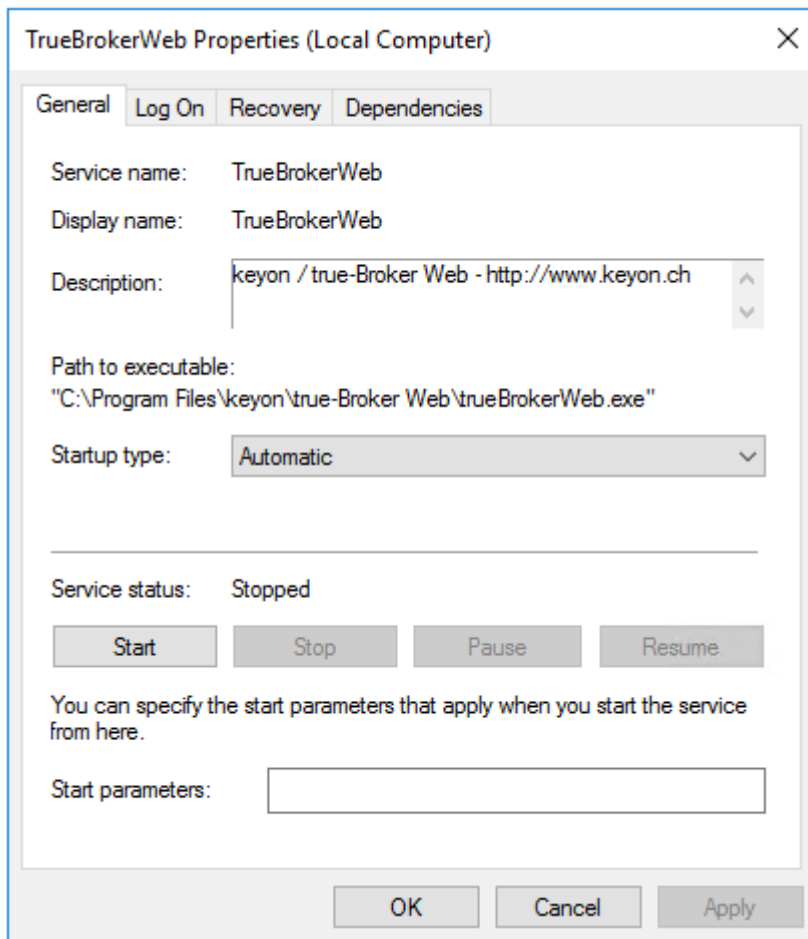
Minimum Version=1.6

Do not change these settings unless you are advised by SITS support to do so.

Use the Microsoft Services Console to start the true-Broker Web Windows service.

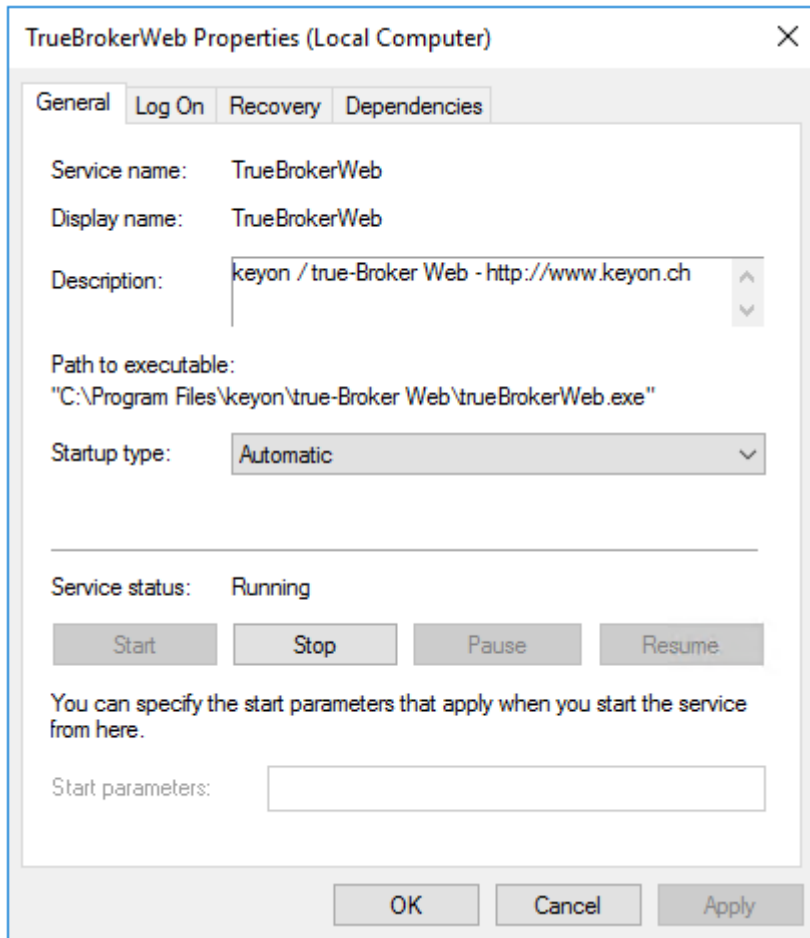
32.2. Starting true-Broker Web Windows service

Start the true-Broker Web Windows service using the Microsoft Services Console.



32.3. Stopping true-Broker Web Windows service

Stop the true-Broker Web Windows service using the Microsoft Services Console.



32.4. Daily restart of Apache Tomcat Windows service

The Apache Tomcat Windows service is daily restarted at 00:00. The Windows service is stopped at 00:00 and started at 00:15 AM.

Name	Status	Triggers	Next Run Time	Last Run
GoogleUpdateTaskMachineUA	Ready	At 03:56 every day - After triggered, repeat every 1 hour for a duration of 1 day.	02.09.2020 17:56:17	02.09.2020 17:56:17
Start TrueBrokerWeb	Ready	At 00:15 every day	03.09.2020 00:15:00	30.11.19 00:15:00
Stop TrueBrokerWeb	Ready	At 00:00 every day	03.09.2020 00:00:00	30.11.19 00:00:00
User_Feed_Synchronization-...	Ready	At 22:58 every day - Trigger expires at 02.09.2030 22:58:54.	02.09.2020 22:58:54	02.09.2020 22:58:54

You can change the restart settings in the Scheduled Task option of the Windows Control Panel.

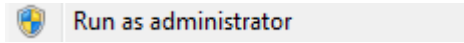
33. True-Broker Web Windows console

33.1. Starting true-Broker Web as console

If you want to run true-Broker Web as a console application, run the following executable file:

C:\Program Files\keyon\true-Broker Web>trueBrokerWebConsole.exe

On an operating system with UAC enabled run the executable as Administrator.



True-Broker Web is starting as console application.

```

C:\Program Files\keyon\true-Broker Web>trueBrokerWebConsole.exe
INFO: WSServlet14: JAX-WS servlet initializing
Sep 02, 2020 5:44:54 PM com.sun.xml.ws.transport.http.servlet.WSServletContextListener contextInitialized
INFO: WSServlet12: JAX-WS context listener initializing
Sep 02, 2020 5:44:54 PM com.sun.xml.ws.transport.http.servlet.WSServletContextListener contextInitialized
INFO: WSServlet12: JAX-WS context listener initializing
log4j:WARN No appenders could be found for logger (ch.keyon.common.Versions).
log4j:WARN Please initialize the log4j system properly.
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.
Sep 02, 2020 5:44:58 PM org.apache.catalina.startup.HostConfig deployWAR
INFO: Deployment of web application archive [C:\Program Files\keyon\true-Broker Web\server\webapps\TrueBrokerWeb-6d1389f4-2c59-442d-9a54-649a2c7f3b18.war] has finished in [12,328] ms
Sep 02, 2020 5:44:58 PM org.apache.catalina.startup.HostConfig deployWAR
INFO: Deploying web application archive [C:\Program Files\keyon\true-Broker Web\server\webapps\TrueBrokerWebAdmin.war]
Sep 02, 2020 5:45:04 PM org.apache.jasper.servlet.TldScanner scanJars
INFO: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging for this logger for a complete list of JARs that were scanned but no TLDs were found in them. Skipping unneeded JARs during scanning can improve startup time and JSP compilation time.
log4j:WARN No appenders could be found for logger (org.springframework.web.context.ContextLoader).
log4j:WARN Please initialize the log4j system properly.
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.
Sep 02, 2020 5:45:10 PM org.apache.catalina.startup.HostConfig deployWAR
INFO: Deployment of web application archive [C:\Program Files\keyon\true-Broker Web\server\webapps\TrueBrokerWebAdmin.war] has finished in [11,571] ms
Sep 02, 2020 5:45:10 PM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["http-nio-8645"]
Sep 02, 2020 5:45:10 PM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["https-openssl-nio-8646"]
Sep 02, 2020 5:45:10 PM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["ajp-nio-8009"]
Sep 02, 2020 5:45:10 PM org.apache.catalina.startup.Catalina start
INFO: Server startup in [40,807] milliseconds
  
```

33.2. Stopping true-Broker Web console

If true-Broker Web is running as a console application, press Control-C in the console window to stop the application.

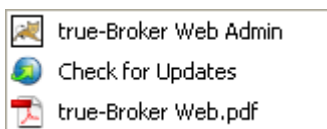
34. true-Broker Web Administration

true-Broker Web Administration is a web application running on an Apache Tomcat server. true-Broker Web is multi-client capable. Use the true-Broker Web Administration application to add or delete true-Broker Web client instances. If you add a new true-Broker Web client instance a new web application is deployed to the Apache Tomcat server.

The URL to access true-Broker Web Administration is:

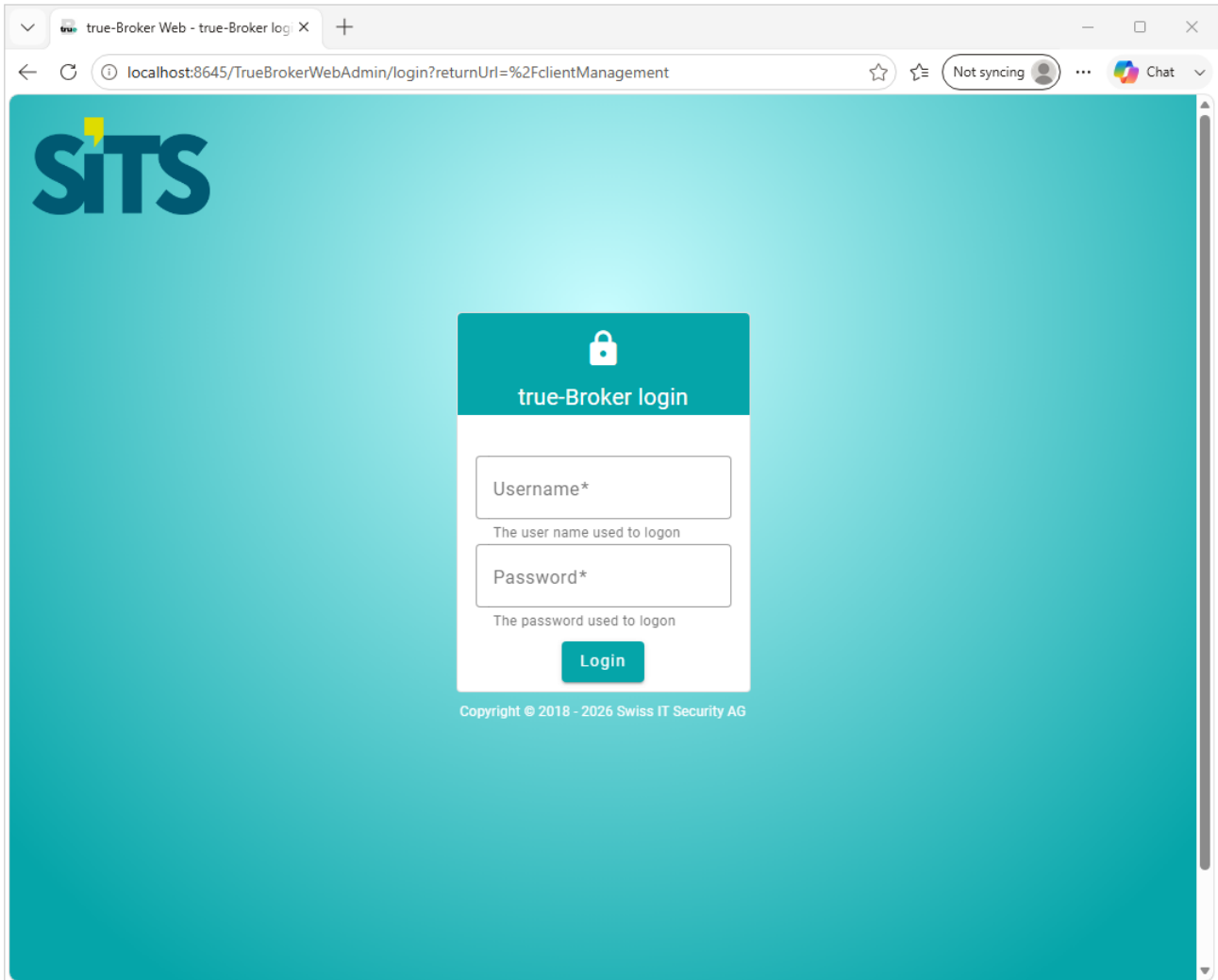
<https://localhost:8646/TrueBrokerWebAdmin>

Use the link above or select the true-Broker Web Admin menu item in the keyon → true-Broker Web menu to open the URL above in your default browser.



34.1. Logon page

To get access to the true-Broker Web Administration Web application you have to login with a username and password.



Username*

The user name used to logon

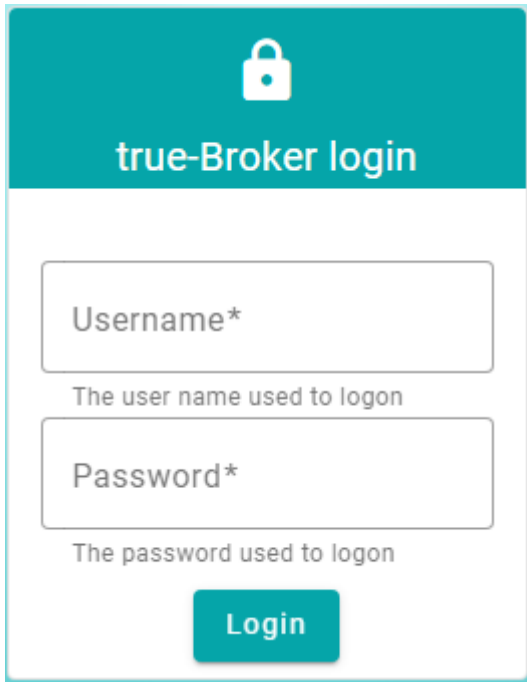
Password*

The password used to logon

Login

Copyright © 2018 - 2026 Swiss IT Security AG

The default username is **admin**. The default password is **12345678**.



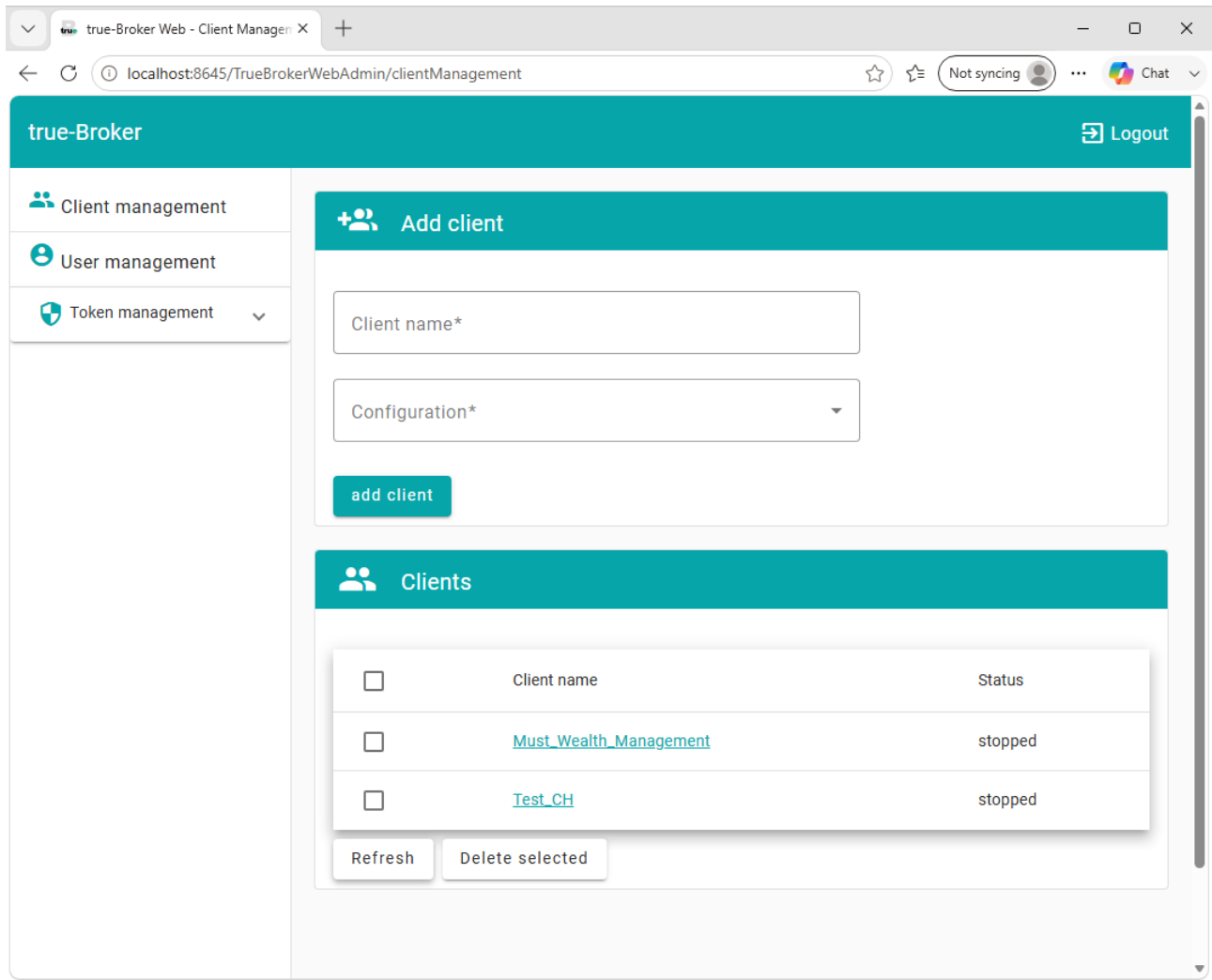
The image shows a login form for 'true-Broker'. It has a teal header with a lock icon and the text 'true-Broker login'. Below the header, there are two input fields: 'Username*' and 'Password*'. Under the 'Username*' field is the text 'The user name used to logon'. Under the 'Password*' field is the text 'The password used to logon'. At the bottom of the form is a teal button labeled 'Login'.

Press the **Logon** button to logon to the application.

You can change the administrator password using the [Change password link](#).

34.2. Main page

The main page is used to configure the true-Broker Web clients. true-Broker Web is multi-client capable. For each client a new true-Broker Web application is deployed on the Apache Tomcat server.



true-Broker

Logout

Client management

User management

Token management

Add client

Client name*

Configuration*

add client

Clients

☐	Client name	Status
☐	Must_Wealth_Management	stopped
☐	Test_CH	stopped

Refresh Delete selected

To add a new client, enter the client name, select the configuration and press the **Add client button**.

Do not use any white spaces or special characters in the name of the client.

 Add client

Client name*

New_Client

Configuration*

Private Standard Network UBS CH

Private Standard Network UBS EMEA - LUX

Private Standard Network UBS EMEA - UK

Private Standard Network UBS EMEA - JE

Private Standard Network UBS APAC - HK

Private Standard Network UBS APAC - SG

Adding a new client adds a new web application with the selected configuration to the Apache Tomcat server. Please choose the configuration depending on in which legal entity of UBS your accounts are booked.

During the deployment phase the client web application cannot be selected. Select the **Refresh** button to refresh the page.

Clients		
☐	Client name	Status
☐	Must_Wealth_Management	stopped
☐	New_Client	Deploying
☐	Test_CH	stopped
Refresh Delete selected		

As soon as the client application is completely deployed to the Apache Tomcat server you can select the client application or use the link to get to the client true-Broker Web application.

After the deployment of a new client, a restart of the TrueBrokerWeb-service is required

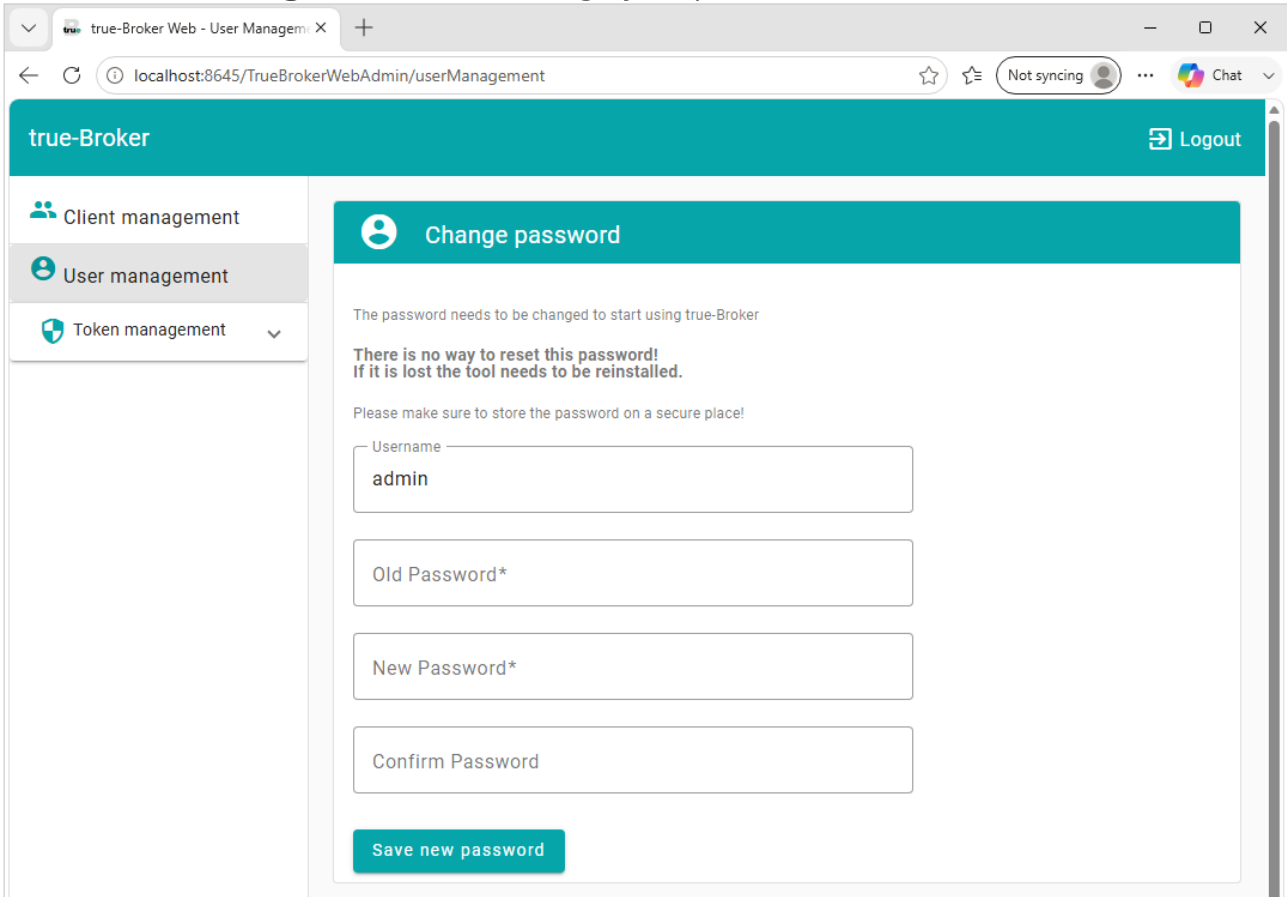
Clients		
☐	Client name	Status
☐	Must_Wealth_Management	stopped
☐	New_Client	stopped
☐	Test_CH	stopped
Refresh Delete selected		

To delete a client web application, select the web application and press the **Delete selected** button.

Be aware that the configuration of the client web application will be deleted. Messages stored in the internal database are also deleted. Messages downloaded to the configured inbox are not deleted.

34.3. Change password page

Use the **User management** link to change your password.



The screenshot shows a web browser window with the URL `localhost:8645/TrueBrokerWebAdmin/userManagement`. The page has a teal header with the "true-Broker" logo and a "Logout" button. A left sidebar contains three menu items: "Client management", "User management" (which is highlighted), and "Token management". The main content area is titled "Change password" and contains the following text and form elements:

- A warning message: "The password needs to be changed to start using true-Broker".
- A bold warning: "There is no way to reset this password! If it is lost the tool needs to be reinstalled."
- A note: "Please make sure to store the password on a secure place!"
- A "Username" input field containing the text "admin".
- An "Old Password*" input field.
- A "New Password*" input field.
- A "Confirm Password" input field.
- A teal "Save new password" button at the bottom.

Enter the old password, the new password and confirm it.

 **Change password**

The password needs to be changed to start using true-Broker

**There is no way to reset this password!
If it is lost the tool needs to be reinstalled.**

Please make sure to store the password on a secure place!

Username

Old Password*

New Password*

Confirm Password

Save new password

Press the **Save new password** button to change the password.



Change password

The password needs to be changed to start using true-Broker

There is no way to reset this password!
If it is lost the tool needs to be reinstalled.

Please make sure to store the password on a secure place!

Username

admin

Old Password*

.....

New Password*

.

Confirm Password

.

Save new password

Password must be 8 or more characters in length.

Password must contain 1 or more uppercase

characters. Password must contain 1 or more digit

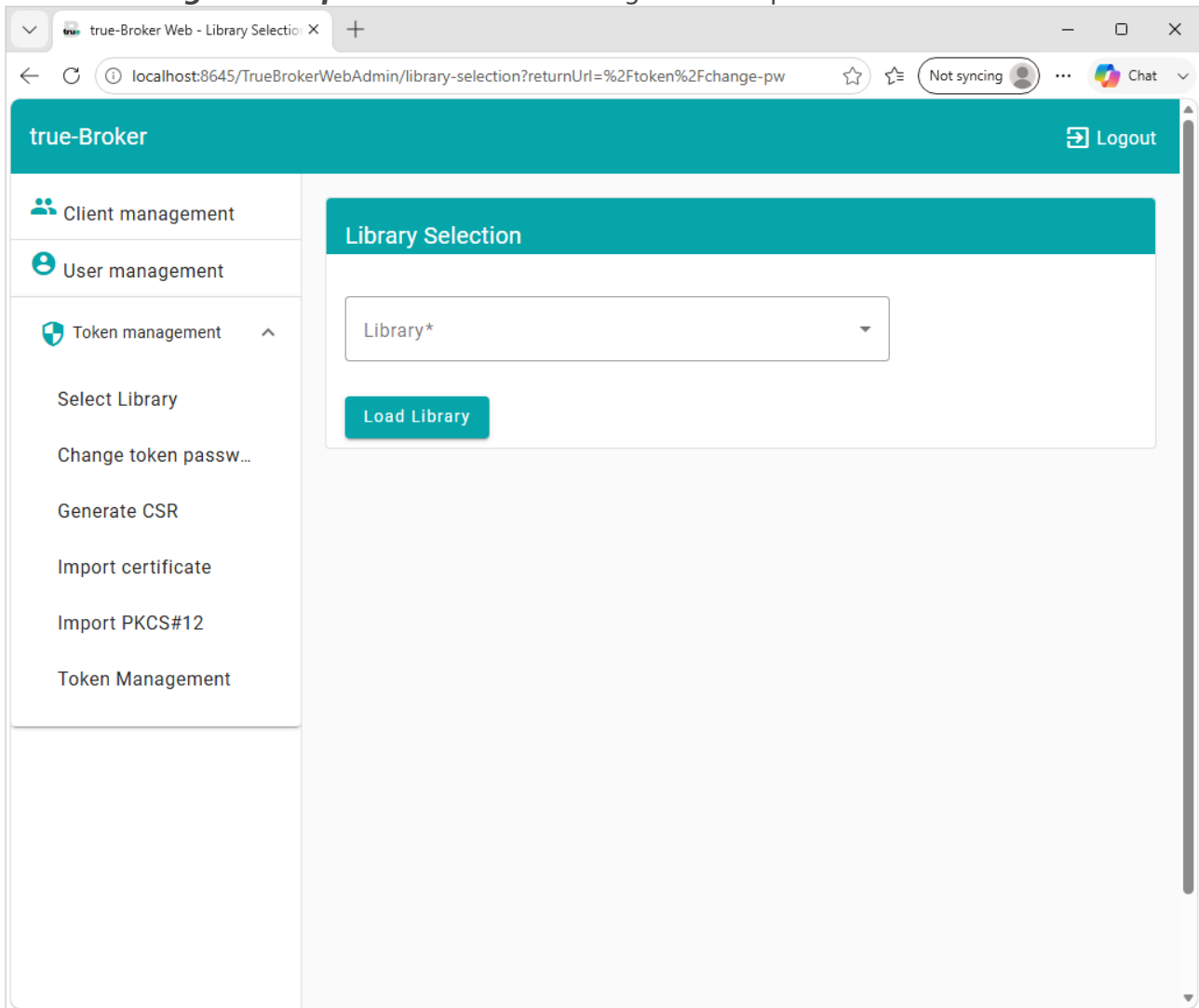
characters. Password must contain 1 or more special

characters.

The new password must follow the password policy, and it cannot be a password which was previously used.

34.4. Change token password page

Use the **Change token password** link to change a token password.



The screenshot shows a web browser window with the URL `localhost:8645/TrueBrokerWebAdmin/library-selection?returnUrl=%2Ftoken%2Fchange-pw`. The page title is "true-Broker" and it includes a "Logout" link. The left sidebar contains a menu with the following items: "Client management", "User management", "Token management" (which is expanded to show a sub-menu), "Select Library", "Change token passw...", "Generate CSR", "Import certificate", "Import PKCS#12", and "Token Management". The main content area is titled "Library Selection" and features a drop-down menu labeled "Library*" and a teal "Load Library" button.

Select the library from the drop-down list and press the **Load library** button.

Library Selection

Library*

SoftToken

Load Library

Token Selection

Library: SoftToken

Token*

0d825d43a3a02d7d

password*

.....

Login

Select the token serial number form the drop-down list, enter the password and press the **Login** button.

Change token password

Token

TokenID

Old Password*

New Password*

Confirm Password

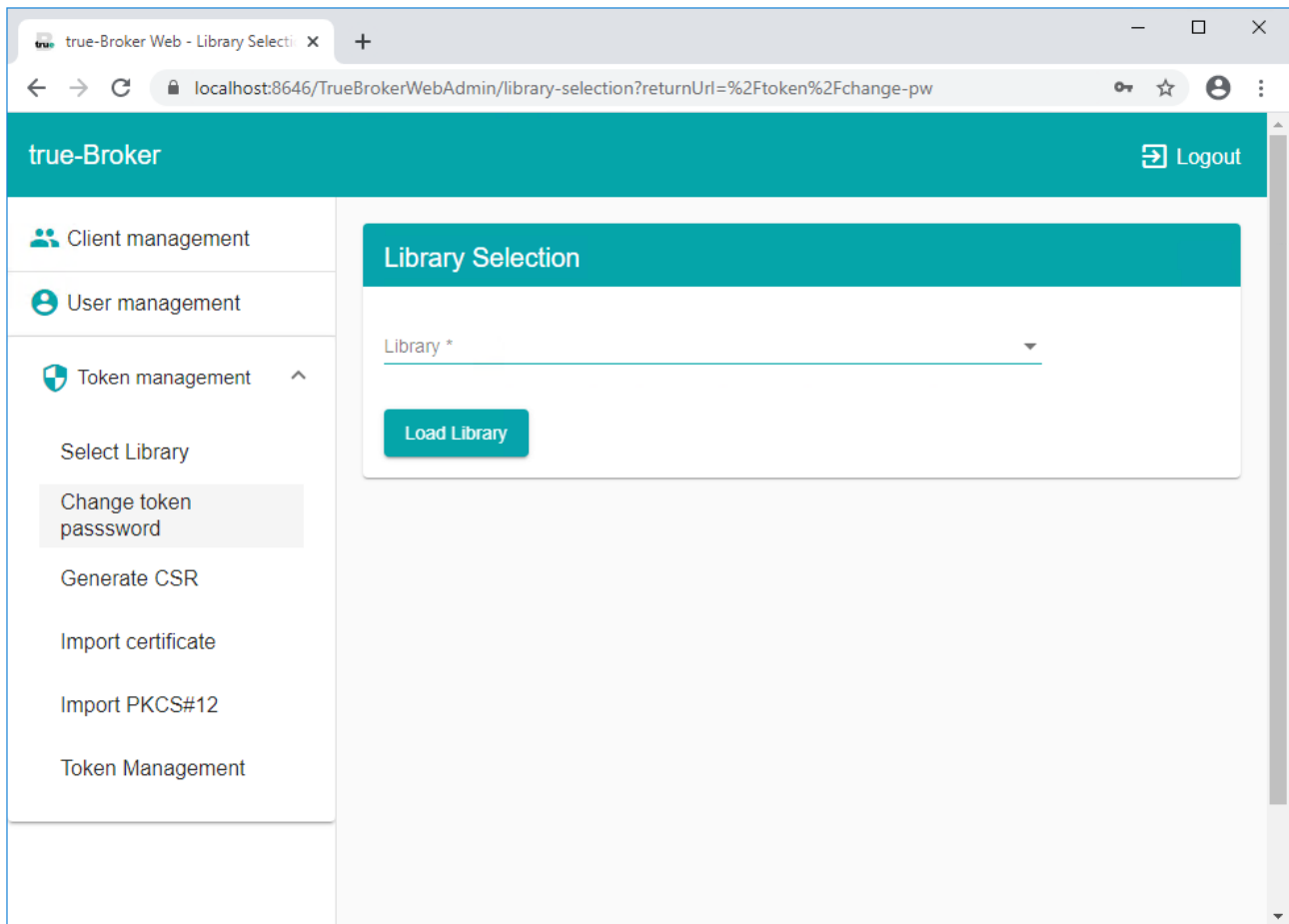
Change password

Enter the new password. Make sure the password length meets the password policy of the token. Some token password policies require a minimal password length or the occurrence of special characters.

Press the **Change password** button to change the token password.

34.5. Generate CSR page

Use the **Generate CSR** link to generate a new key pair on the token and a certificate signing request.



Select the library from the drop-down list and press the **Load library** button.

Library Selection

Library *

Aladdin Hardware-Token

Load Library

Token Selection

Library: Aladdin Hardware-Token

Token *

0287c966

password

.....

Login

Select the token serial number from the drop-down list, enter the password and press the **Login** button.

Generate CSR

Country code (C)

State / province (S)

Town / city (L)

Organization (O)

Organizational unit (OU)

Common name (CN)*

eMail address (EMail)

Key size* —

2048

Signature Algorithm* —

SHA-2

Create CSR

Make sure to enter all the information required by the certificate authority (CA) that will issue the certificate. Press the **Generate CSR** button to generate the key pair and the certificate signing request (CSR).

Certificate Signing Request

trueBroker_Muster_2020_09_03_08_04_54

```

-----BEGIN NEW CERTIFICATE REQUEST-----
MIICXzCCAUCcCAQAwHDEaMBGGA1UEAwwRdHJ1ZUJyb2tld9
NdXN0ZXIwggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKA
oIBAQCmhUq/xJIQ2hpzZFyYqYmkjaTn7JL74Ken//XWWjD9eIVb
8oBIIkf9sMytFWxOyOT87gGGqHYqhM3t4LWcwwtpBN4YtcSz9H
t+BSA4e4s6kPxSZdwoV4R2tu0HMM/zfxvPQBTX/kOPTMboaAfb
xm1eyaOjGugtZQm21Z6bxbflkLGDjn9bmindEBjOzq35IOWIXM9
RADII5XW27CEkPDMPEDHqERXm+mbctKAYCzYku3WKfZEUZ
E0rctrQGIM2vgxaMYvcO9rVacBZaroRKh4Bk46I7sU5nLpIR5iJglx
1d1HEJ2K2Yp6p9wbV+TLKtf3BbNbg1WrPnj+f79J2fpdBAgMBAA
EwDQYJKoZIhvcNAQELBQADggEBAFrFNd74hUJZLYXAPAwuJ
YNlrDNuuOmW7IBanCykY03cMIYjIOFJ6E+y42pn0p+Bu5M5upx/

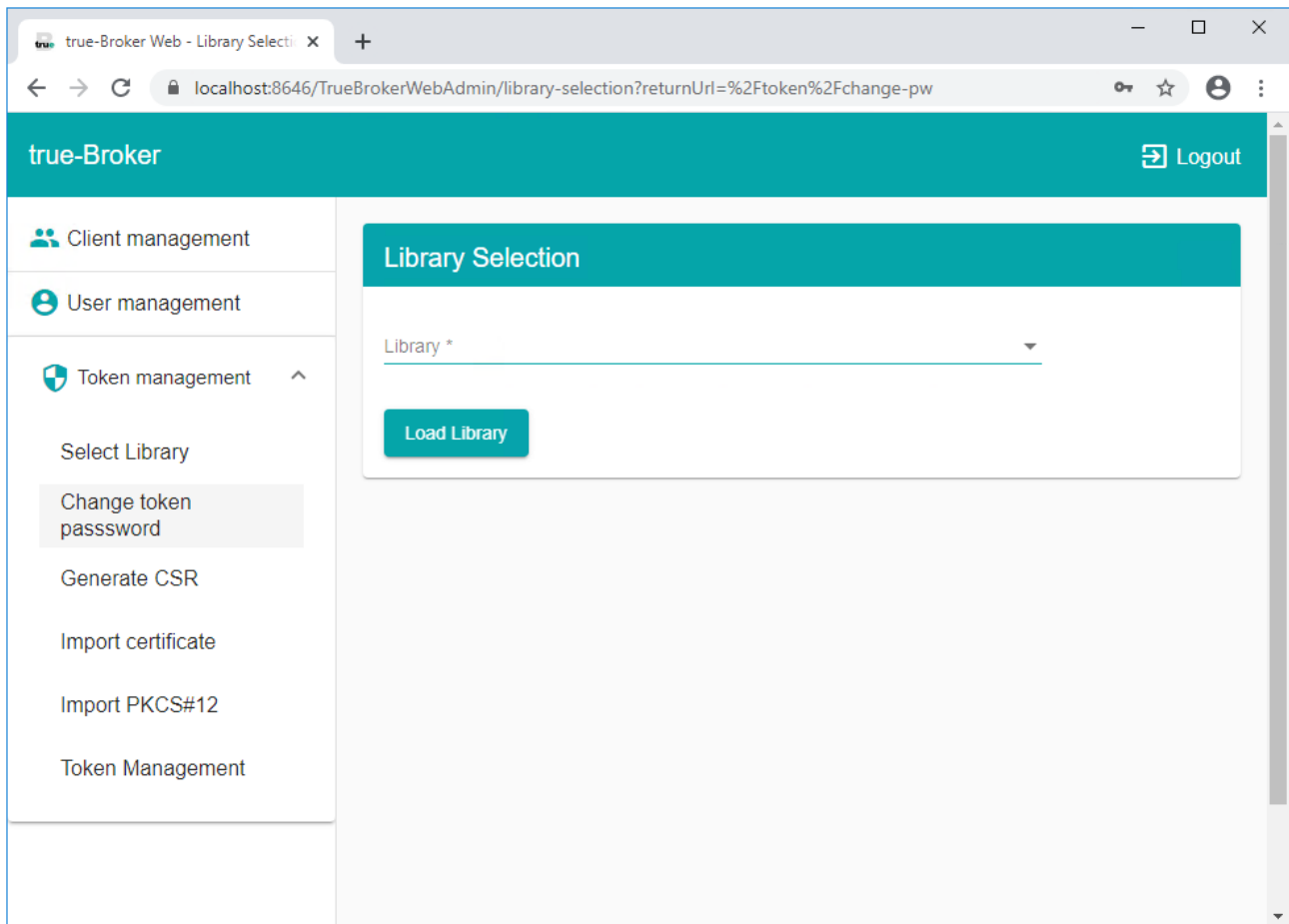
```

save

Copy the CSR to the clipboard or use the Save button to save the CSR to a file.

34.6. Import certificate page

Use the **Import certificate** link to import a certificate into a token containing the matching private key.



Select the library from the drop-down list and press the **Load library** button.

Library Selection

Library *

Aladdin Hardware-Token

Load Library

Token Selection

Library: Aladdin Hardware-Token

Token *

0287c966

password

.....

Login

Select the token serial number form the drop-down list, enter the password and press the **Login** button.

Import certificate



Choose a file or drag it here

Browse for file

Use the **Browse for file** button or drag the file into the area to load the certificate received by the certificate authority (CA) into the token. Make sure you selected the token where you generated the key pair and the CSR.

Import certificate



File upload completed

If no matching private key can be found on the token the certificate will not be imported.

Import certificate



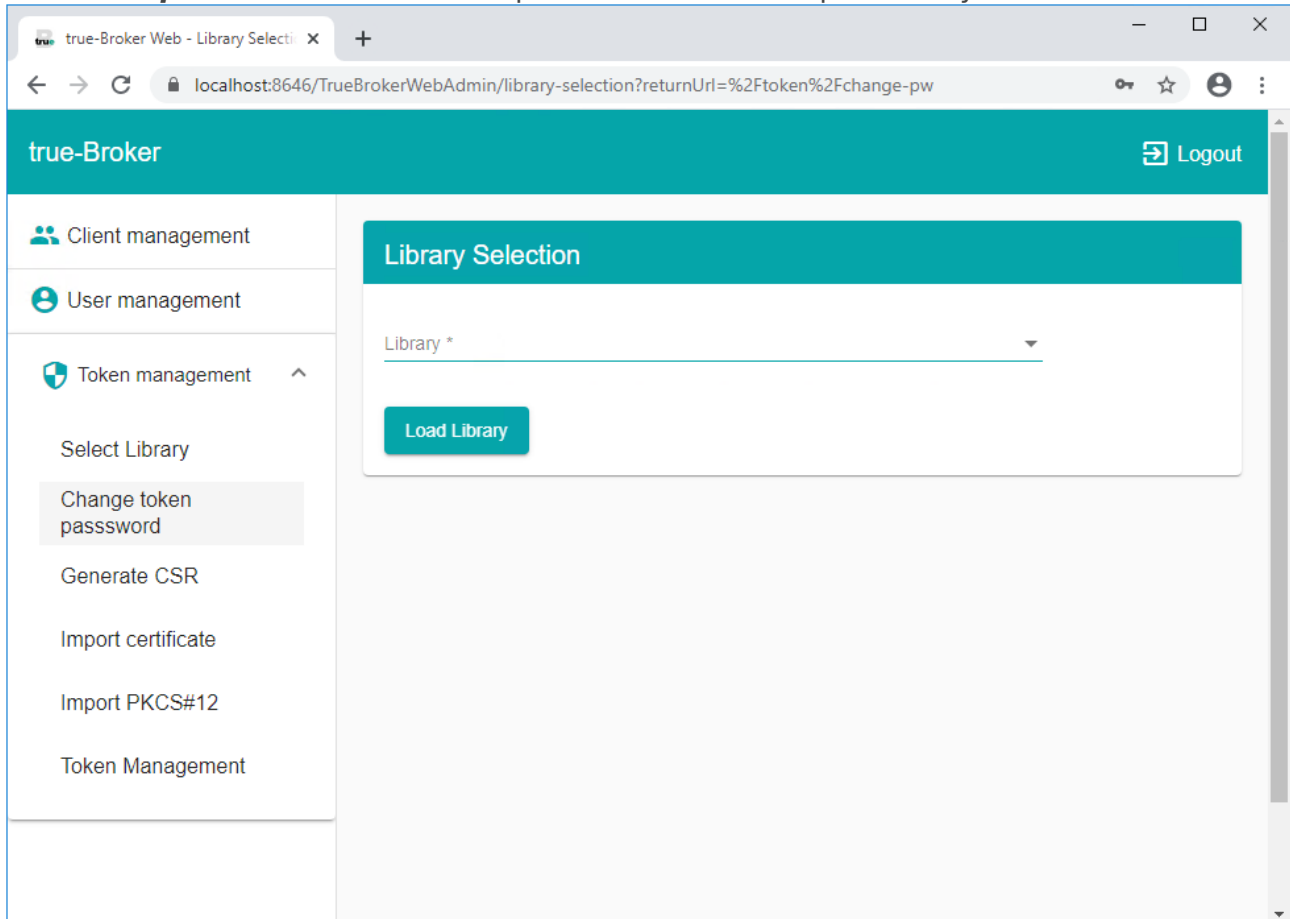
Choose a file or drag it here

Browse for file

cert_testCsrForTrueBroker.pem upload failed.

34.7. Import PKCS#12 page

Use the **Import PKCS#12** link to import a certificate and private key into a token.



The screenshot shows a web browser window with the URL `localhost:8646/TrueBrokerWebAdmin/library-selection?returnUrl=%2Ftoken%2Fchange-pw`. The page has a teal header with the text "true-Broker" and a "Logout" button. On the left, there is a sidebar menu with the following items: "Client management", "User management", "Token management" (which is expanded), "Select Library", "Change token password", "Generate CSR", "Import certificate", "Import PKCS#12", and "Token Management". The main content area is titled "Library Selection" and contains a "Library *" drop-down menu and a "Load Library" button.

Select the library from the drop-down list and press the **Load library** button.

Library Selection

Library *

Aladdin Hardware-Token

Load Library

Token Selection

Library: Aladdin Hardware-Token

Token *

0287c966

password

.....

Login

Select the token serial number from the drop-down list, enter the password and press the **Login** button.

Import PKCS#12

PKCS 12 Password *



Choose a file or drag it here

Browse for file

Enter the password of the PKCS#12 file then use the **Browse for file** button to select the PKCS#12 file from the file system or drag the file into the area.

Import PKCS#12

PKCS 12 Password *

.....

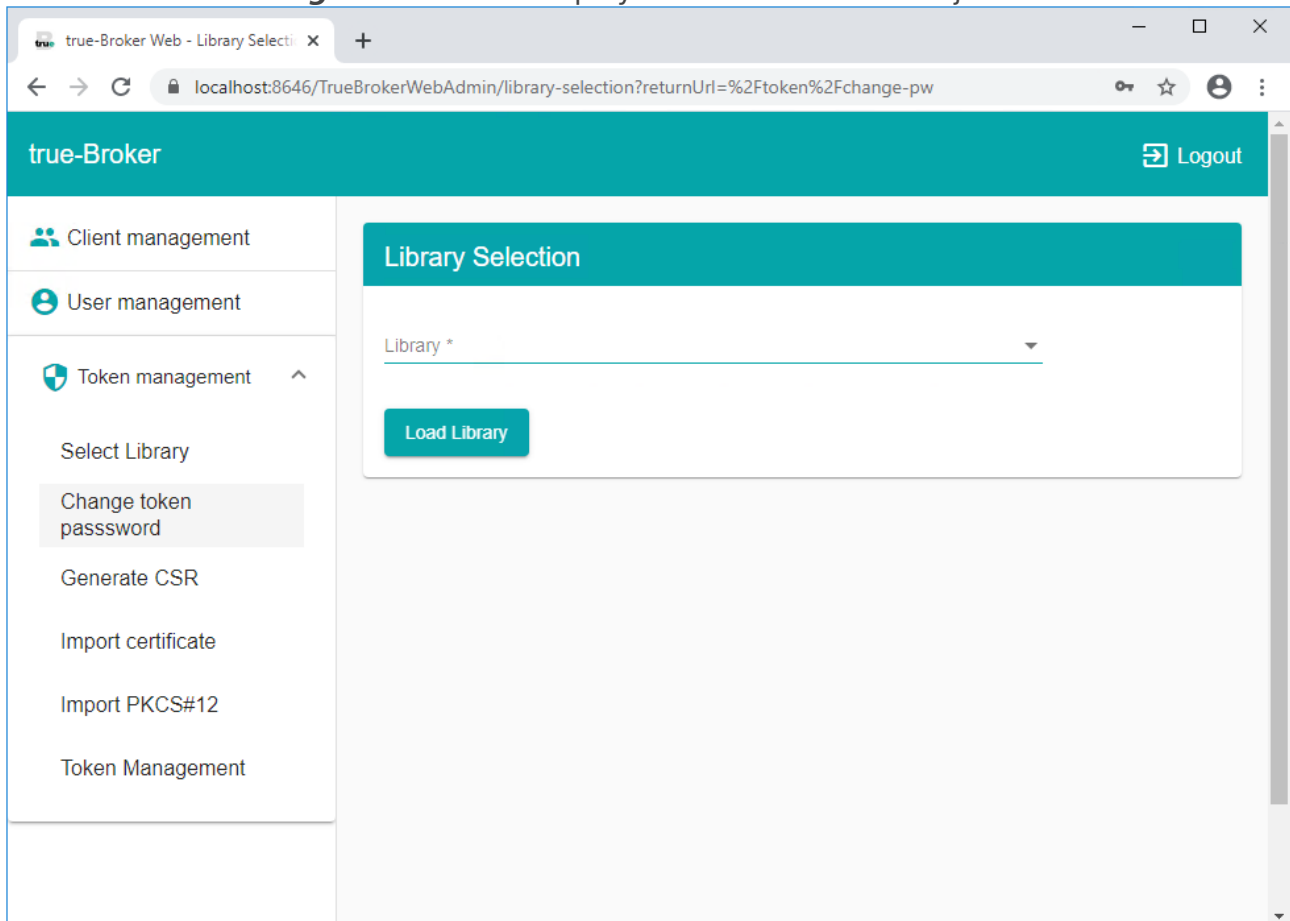


File upload completed

If the file upload completes successfully, the PKCS#12 file has been imported to the token.

34.8. Token management page

Use the **Token management** link to display or delete the token objects on the token.



The screenshot shows the 'true-Broker' web application interface. The top header is teal with the 'true-Broker' logo and a 'Logout' button. A left sidebar contains navigation links: 'Client management', 'User management', and 'Token management'. Under 'Token management', there is a sub-menu with 'Select Library', 'Change token password', 'Generate CSR', 'Import certificate', 'Import PKCS#12', and 'Token Management'. The main content area is titled 'Library Selection' and features a 'Library *' drop-down menu and a 'Load Library' button.

Select the library from the drop-down list and press the **Load library** button.

Library Selection

Library *

Aladdin Hardware-Token

Load Library

Token Selection

Library: Aladdin Hardware-Token

Token *

0287c966

password

.....

Login

Select the token serial number from the drop-down list, enter the password and press the **Login** button.

Token Objects				
☐	index	Alias	Object Class	in use
☐	1	codeSign Test - (43a589ff3c)	certificate	true
☐	2	codeSign Test - (43a589ff3c)	private key	true
☐	3		private key	false
☐	4	codeSign Test - (43a589ff3c)	certificate	true
☐	5	codeSign Test - (43a589ff3c)	private key	true

Delete selected

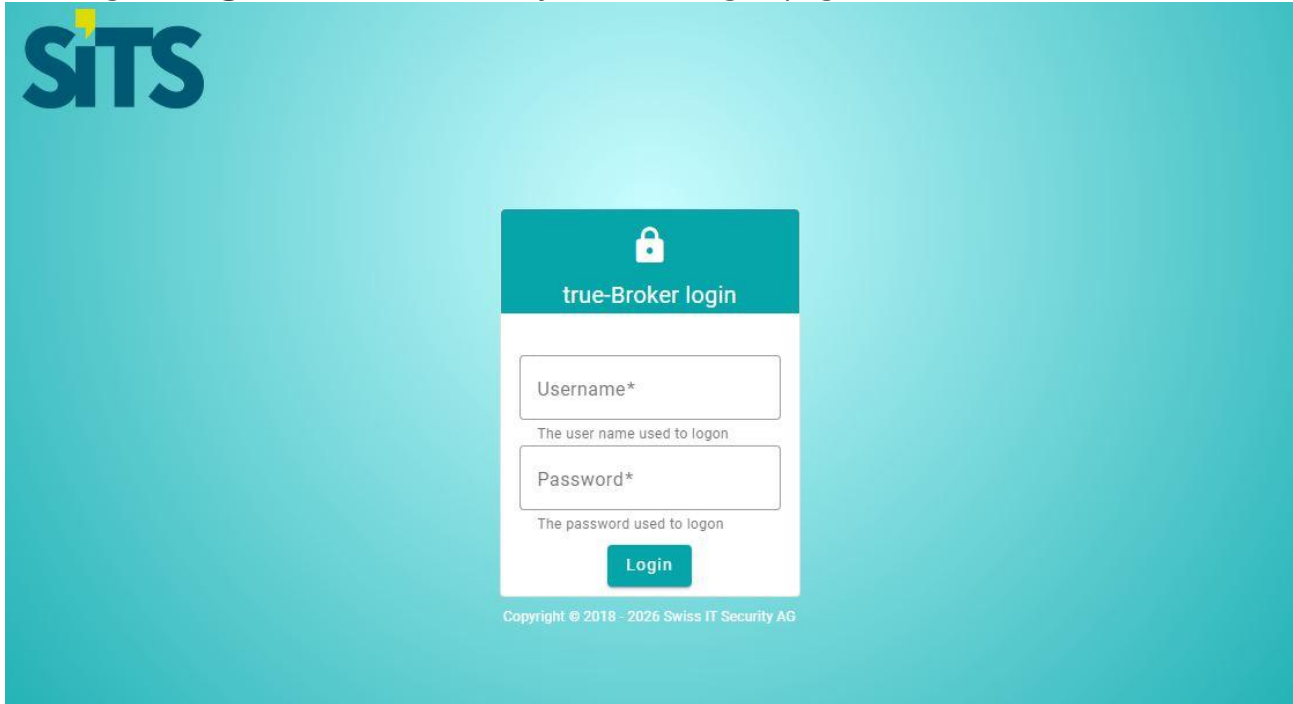
The table shows the objects stored on the token. The objects may be a certificate, private or public key. You may delete unused objects from the token. You cannot delete objects that are used by a client security configuration.

34.9. Logout

To log out from the true-Broker Web Administration application select the **Logout** button in the upper right corner.

true-Broker	 Logout
-------------	--

Pressing the **Logout** button redirects you to the Logon page.

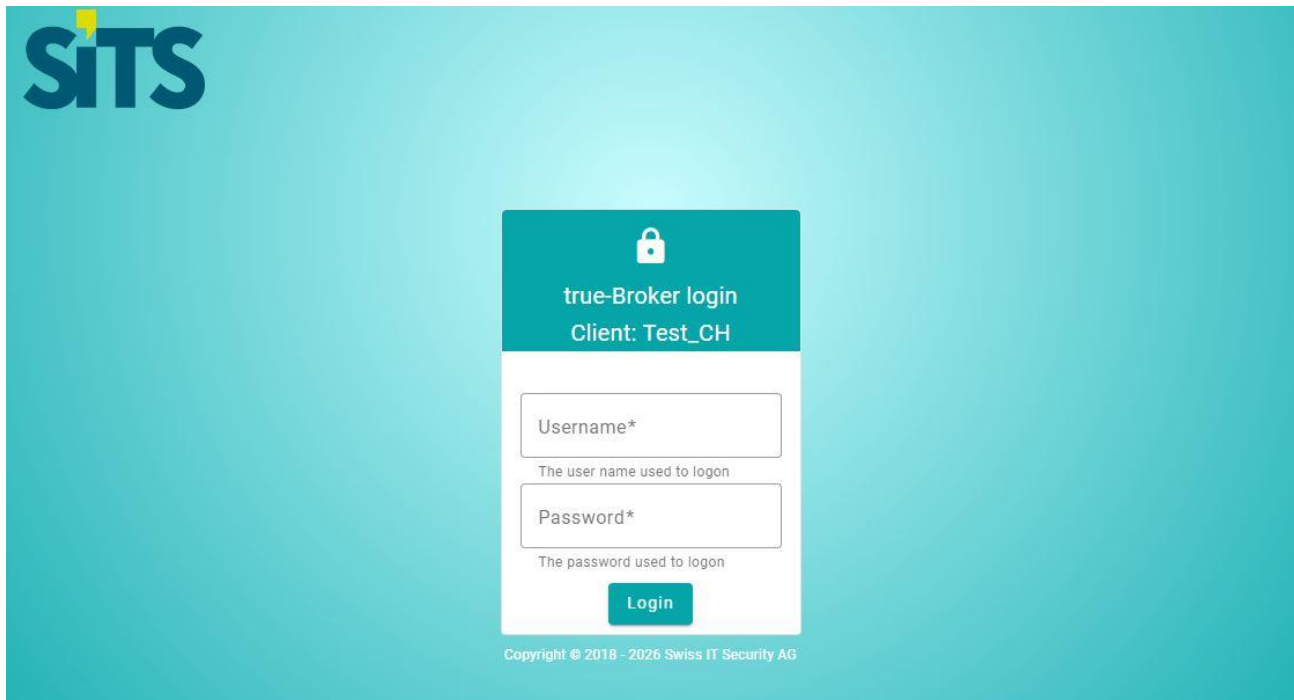


The image shows a screenshot of the 'true-Broker login' web page. The page has a teal background. In the top left corner, there is a 'SITS' logo. The login form is centered and consists of a teal header with a lock icon and the text 'true-Broker login'. Below the header, there are two input fields: 'Username*' and 'Password*'. Under the 'Username*' field, there is a small text label 'The user name used to logon'. Under the 'Password*' field, there is a small text label 'The password used to logon'. Below the input fields is a teal 'Login' button. At the bottom of the form, there is a small copyright notice: 'Copyright © 2018 - 2026 Swiss IT Security AG'.

35. true-Broker Web

true-Broker Web is a Web application running on an Apache Tomcat server. true-Broker Web is used to securely download messages from the specified target system. true-Broker Web further supports a SOAP Web service interface for real time message exchange.

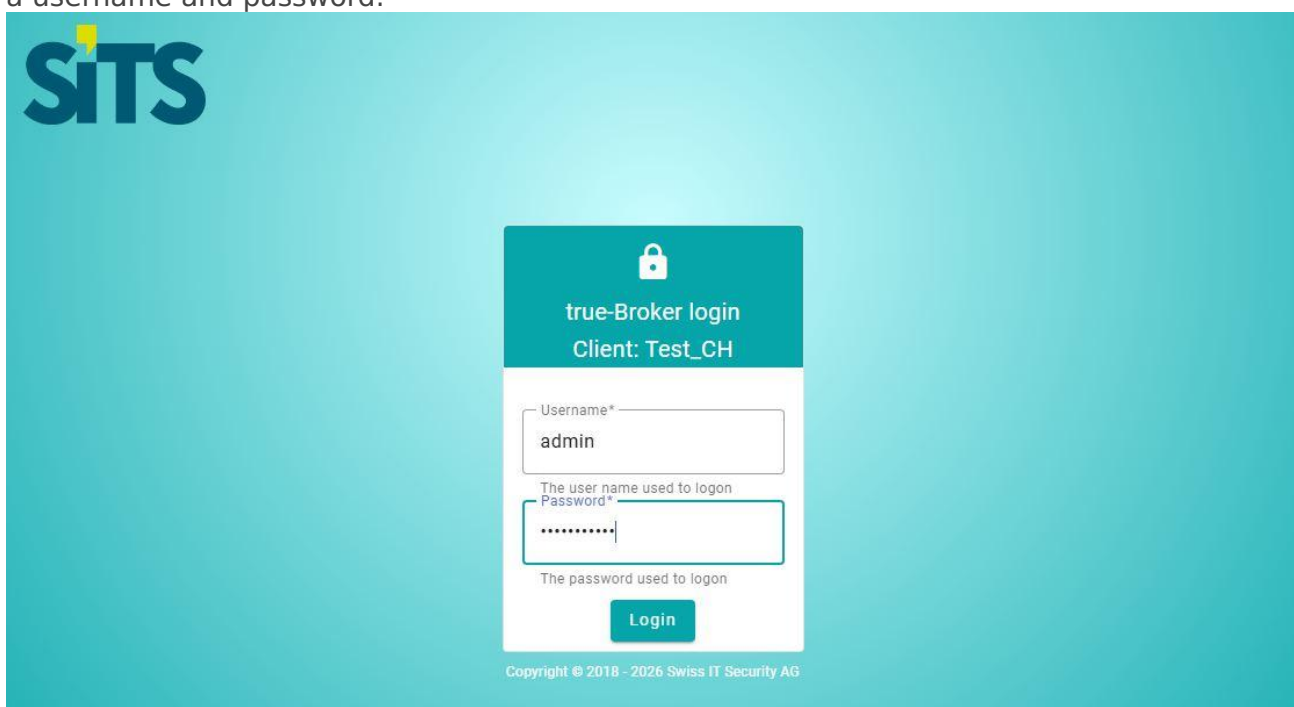
The true-Broker Web application must be created using the true-Broker Web Administration application. The URL to access true-Broker Web may be selected using the Logon page of true-Broker Web Administration.



Select the link of your client to get to the Logon page of the corresponding true-Broker Web application.

35.1. Logon page

To get access to the true-Broker Web Administration Web application you have to login with a username and password.



The default username is admin. The default password is 12345678.

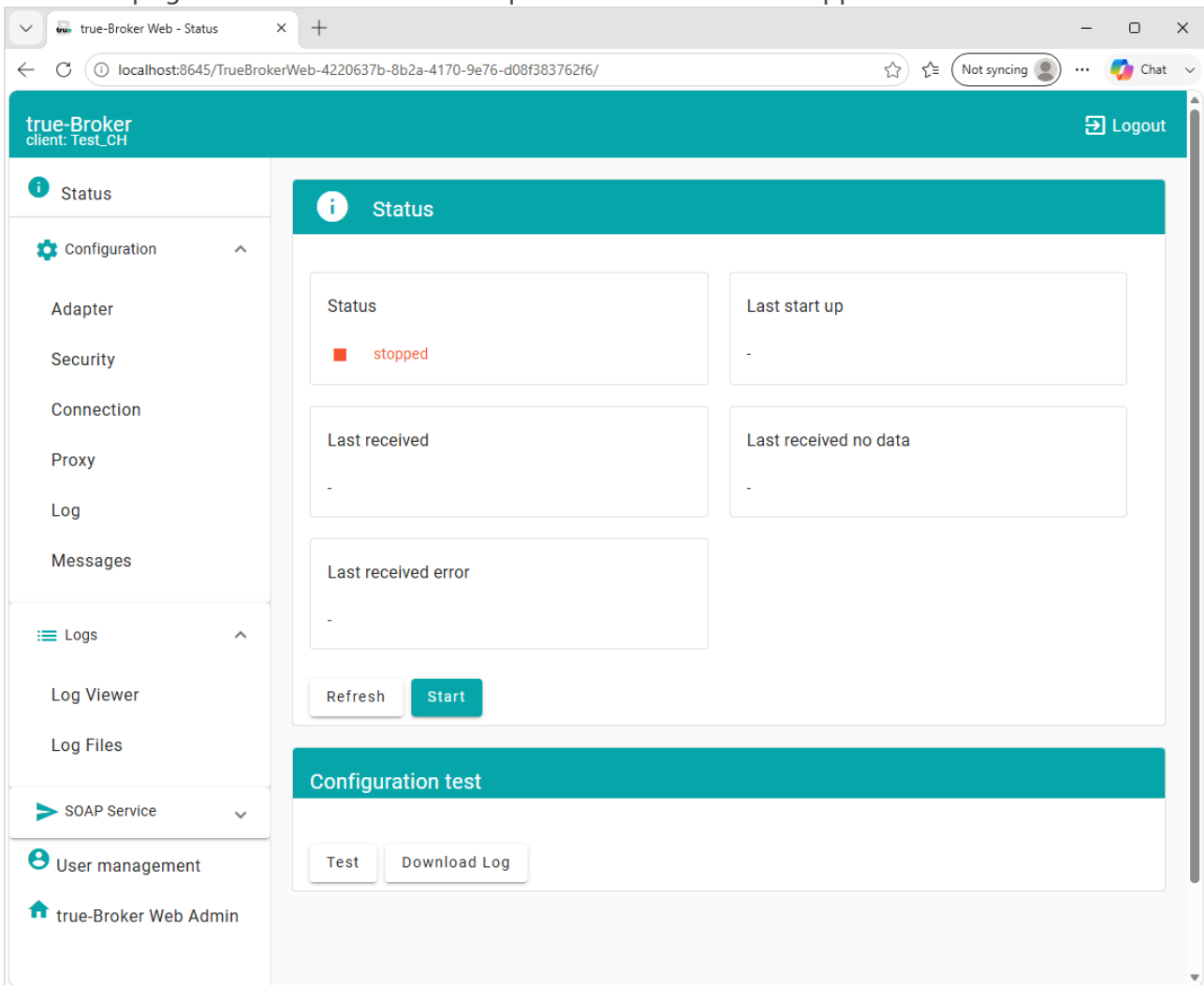
Ein Bild, das Text, Screenshot, Schrift, Zahl enthält. KI-generierte Inhalte können fehlerhaft sein.

Press the **Login** button to logon to the application.

You can change the administrator password using the User management link.

35.2. Main page

The main page is used to start and stop the true-Broker Web application.



Make sure you have a valid configuration by using the *Test* button.

Use the **Start** button to start downloading messages. Before you can start downloading messages you have to configure true-Broker Web using the configuration links.

i
Status

Status

stopped

Last start up

-

Last received

-

Last received no data

-

Last received error

-

Refresh

Start

Once the application is running you can use the **Stop** button to stop the application.

i
Status

Status

stopped

Last start up

-

Last received

-

Last received no data

-

Last received error

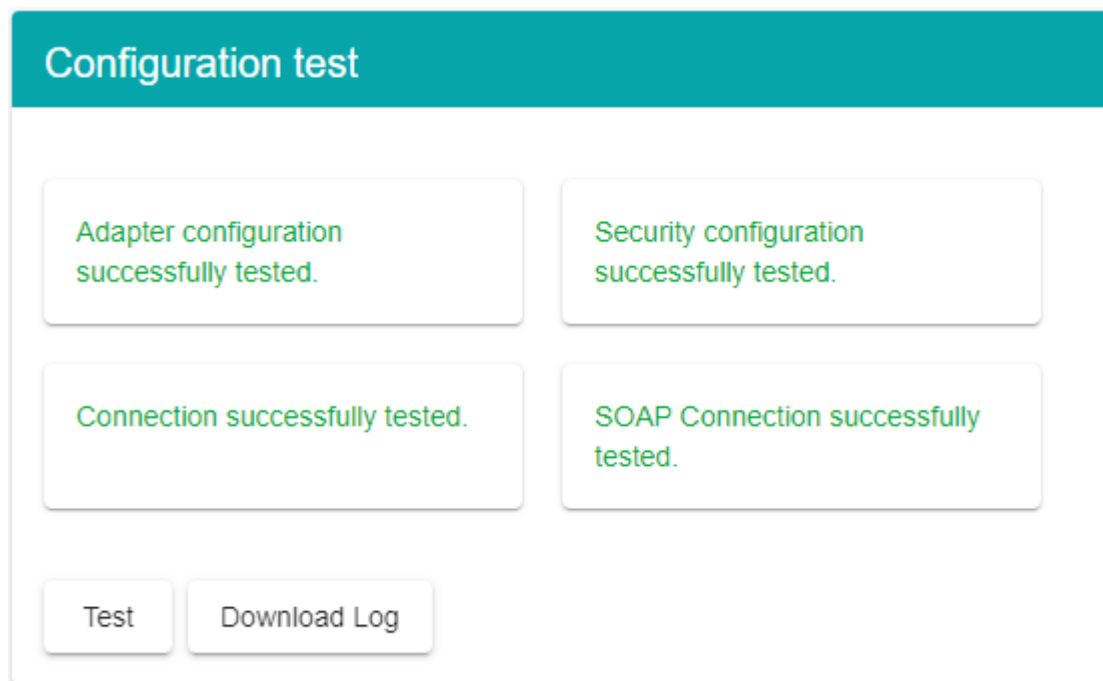
-

Refresh

Start

Use the **Refresh** button to refresh the status.

Before running the application for the first time, you should test your configuration. Press the **Test** button to start the test.



The image shows a web interface titled "Configuration test" with a teal header. Below the header, there are four white boxes with green text indicating successful test results: "Adapter configuration successfully tested.", "Security configuration successfully tested.", "Connection successfully tested.", and "SOAP Connection successfully tested.". At the bottom of the interface, there are two buttons: "Test" and "Download Log".

If the test completes successfully, you can start the application.

35.3. Adapter configuration page

Use the **Adapter** configuration page to configure where to store your downloaded messages.

true-Broker Web - Adapter configu
+
localhost:8645/TrueBrokerWeb-4220637b-8b2...
Not syncing
Chat
true-Broker
client: Test_CH
Logout

Status
Configuration
Adapter
Security
Connection
Proxy
Log
Messages
Logs
Log Viewer
Log Files
SOAP Service
User management
true-Broker Web Admin

Adapter configuration

Inbox directory*

/opt/keyon/truebroker/data/inbox

In case of a local directory use the following syntax: `/directory/[subdir/]`
In case of a network directory use the following syntax: `smb://share/directory/[subdir/]`

Copy receiver (optional)

If set all message will be copied to the configured directory. In case of a network directory, the same user and password is used as for the original receiver.

☐ Daily sub directories

If set a daily sub directory will be created. The file name will be of the form:
`/directory/[subdir/]/yyyy_MM_dd/HH_mm_ss_type_number.ext`
`smb://share/directory/[subdir/]/yyyy_MM_dd/HH_mm_ss_type_number.ext`

If not set the file name will be of the form:
`/directory/[subdir/]/yyyy_MM_dd/HH_mm_ss.ext`
`smb://share/directory/[subdir/]/yyyy_MM_dd/HH_mm_ss_type_number.ext`

☒ Mark possible duplicates

If set possible duplicates are marked as possible duplicates:
`yyyy_MM_dd/HH_mm_ss_PossibleDuplicate_type_number.ext`
`yyyy_MM_dd/HH_mm_ss_PossibleDuplicate_type_number.ext`

Domain (optional)

The domain name used for the NTLM authentication.

Username (optional)

The username used for the NTLM authentication.

Password (optional)

The username used for the NTLM authentication.

Save

The **Inbox directory** defines the directory where messages are stored. Use the following syntax if you want to store the messages into a local directory:

/directory/[subdirectory/]

In case of a network directory use the following syntax:

smb://share/directory/[subdirectory/]

You can optionally copy the URL of your network directory from your explorer:

\\share\directory\[subdirectory\]

Do not use mapped network drives. The Tomcat Apache server is using the System account to run and does not have access to mapped network drives.

The **Copy receiver** is an optional parameter. If it is set, all messages will be copied and stored in the specified directory as well.

To use a network directory, use the syntax described above.

Adapter configuration

Inbox directory*

/opt/keyon/truebroker/data/inbox

In case of a local directory use the following syntax: **/directory/[subdir/]**

In case of a network directory use the following syntax:

smb://share/directory/[subdir/]

Copy receiver (optional)

If set all message will be copied to the configured directory. In case of a network directory, the same user and password is used as for the original receiver.



Daily sub directories

If set a daily sub directory will be created. The file name will be of the form:

/directory/[subdir]/yyyy_MM_dd/HH_mm_ss_type_number.ext

smb://share/directory/[subdir]/yyyy_MM_dd/HH_mm_ss_type_number.ext

If not set the file name will be of the form:

/directory/[subdir]/yyyy_MM_dd_HH_mm_ss.ext

smb://share/directory/[subdir]/yyyy_MM_dd_HH_mm_ss_type_number.ext

Downloaded messages are directly stored in the above inbox directory or a daily sub directory of the inbox directory.

If the **Daily sub directories** check box is set a daily sub directory will be created. The file name will be of the form:

yyyy_MM_dd/HH_mm_ss_MSGTYPE_NUM.txt

Example:

2009_07_02/14_35_43_MT515_123456.txt

If the Daily sub directories check box is not set the file name will be of the form:

yyyy_MM_dd_HH_mm_ss_MSGTYPE_NUM.txt

Example:

2009_07_02_14_35_43_MT515_123456.txt

Tag	Description	Example
yyyy	Year	2009
MM	Month in year	07
dd	Day in month	02
HH	Hour in day (0-23)	14
mm	Minute in hour	35
ss	Second in minute	43
MSGTYPE	Message type	MT515
NUM	Unique number	123456

In case a message could be a possible duplicate the message is prefixed with "PossibleDuplicate". If the check box is selected the possible duplicates are marked:

☒ **Mark possible duplicates**

If set possible duplicates are marked as possible duplicates:

yyyy_MM_dd/HH_mm_ss_PossibleDuplicate_type_number.ext

yyyy_MM_dd_HH_mm_ss_PossibleDuplicate_type_number.ext

Please define the Domain, username and password if NTLM authentication is needed to access the network directory.

Domain (optional)

The domain name used for the NTLM authentication.

Username (optional)

The username used for the NTLM authentication.

Password (optional)

The username used for the NTLM authentication.

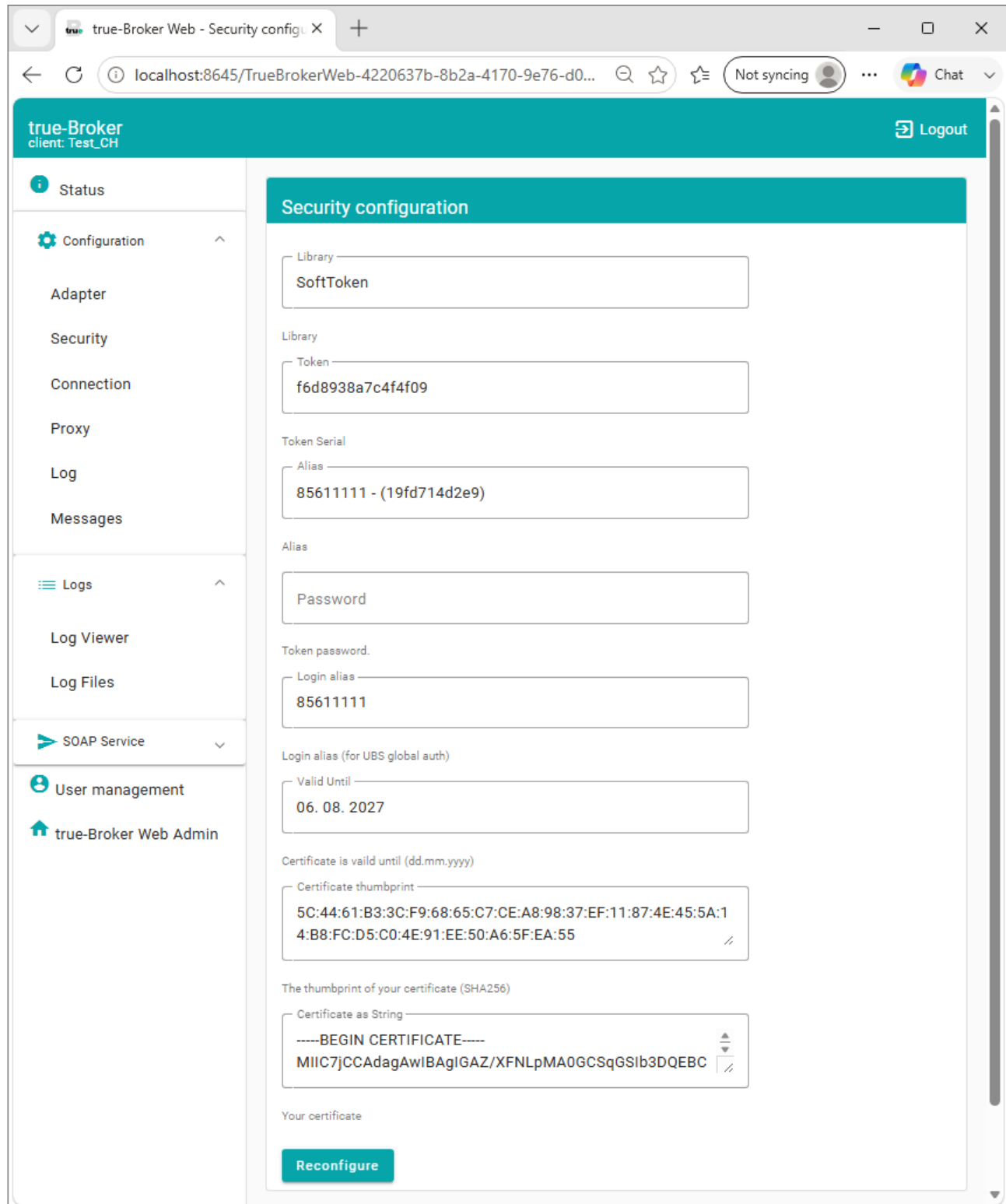
If the inbox directory as well as the copy receiver directory are network directories, the same user must be used to login to both.

Press the **Save** button to save your changes.

The save process can take a while if a network directory has been configured. The save action checks whether the network directory is accessible using the defined configuration parameters.

35.4. Security configuration page

Use the security configuration page to configure the credentials used for client authentication.



The screenshot shows the 'true-Broker Web - Security configuration' page in a web browser. The browser address bar shows 'localhost:8645/TrueBrokerWeb-4220637b-8b2a-4170-9e76-d0...'. The page has a teal header with 'true-Broker client: Test_CH' and a 'Logout' button. A left sidebar contains navigation links: Status, Configuration (selected), Adapter, Security, Connection, Proxy, Log, Messages, Logs, Log Viewer, Log Files, SOAP Service, User management, and true-Broker Web Admin. The main content area is titled 'Security configuration' and contains several input fields and sections:

- Library**: A text input field containing 'SoftToken'.
- Library**: A section header.
- Token**: A text input field containing 'f6d8938a7c4f4f09'.
- Token Serial**: A section header.
- Alias**: A text input field containing '85611111 - (19fd714d2e9)'.
- Alias**: A section header.
- Password**: A text input field.
- Token password.**: A section header.
- Login alias**: A text input field containing '85611111'.
- Login alias (for UBS global auth)**: A section header.
- Valid Until**: A text input field containing '06. 08. 2027'.
- Certificate is valid until (dd.mm.yyyy)**: A section header.
- Certificate thumbprint**: A text input field containing '5C:44:61:B3:3C:F9:68:65:C7:CE:A8:98:37:EF:11:87:4E:45:5A:14:B8:FC:D5:C0:4E:91:EE:50:A6:5F:EA:55'.
- The thumbprint of your certificate (SHA256)**: A section header.
- Certificate as String**: A text input field containing '-----BEGIN CERTIFICATE-----MIIC7jCCAdagAwIBAgI GAZ/XFNLpMA0GCSqGSIb3DQEBC'.
- Your certificate**: A section header.
- Reconfigure**: A teal button.



The **Security** configuration page shows the current security configuration settings.

Security configuration

Library

SoftToken

Library

Token

f6d8938a7c4f4f09

Token Serial

Alias

85611111 - (19fd714d2e9)

Alias

Password

Token password.

Login alias

85611111

Login alias (for UBS global auth)

Valid Until

06. 08. 2027

Certificate is valid until (dd.mm.yyyy)

Certificate thumbprint

5C:44:61:B3:3C:F9:68:65:C7:CE:A8:98:37:EF:11:87:4E:45:5A:1
4:B8:FC:D5:C0:4E:91:EE:50:A6:5F:EA:55

The thumbprint of your certificate (SHA256)

Certificate as String

-----BEGIN CERTIFICATE-----
MIIC7jCCAdagAwIBAgIGAZ/XFNLpMA0GCSqGSIb3DQEBC

Your certificate

Reconfigure

Select the **Reconfigure** button to restart the configuration process.

Please select the **Library** according to your security token.

Library Selection

Library*
▼

Load Library

The following hardware security tokens are currently supported:

Name	Token
SafeNet 5110 Use the Aladdin eToken driver for this token	

Press the **Load Library** button to load the selected library.

Library Selection

Library *
Aladdin Hardware-Token

Load Library

Token Selection

Library: Aladdin Hardware-Token

Token *
0287c966

password
.....

Login

Select the serial number of your token, enter the token password and press the **Login** button.

Alias Selection

Token: 0287c966

Alias *
codeSign Test - (43a589ff3c)

Save

Select an alias and press the **Save** button to save to configuration.

To use a SoftToken, a Contract-ID is needed. This ID is provided directly by UBS. If you do not have such an ID, please contact your relationship manager at UBS.

Press the **Load Library** button to load the selected library.

Library Selection

Library*

SoftToken

Load Library

Softtoken configuration

SoftToken-ID*

Please enter the SoftToken-ID you received from UBS

Load

Enter the SoftToken-ID / Contract-ID you received from UBS.

The format for UBS Contract-IDs is simply an 8-digit number: 11111111

After entering the ID, true-broker will create a certificate, which needs to be sent to UBS to register it for you.

To show the certificate, simply click on **Security** in the left-hand menu again.

Security configuration

Library

SoftToken

Library

Token

4f3c9bc3d8aba211

Token Serial

Alias

85611111 - (1a0006a5eac)

Alias

Password

Token password.

Login alias

85611111

Login alias (for UBS global auth)

Valid Until

14. 08. 2027

Certificate is valid until (dd.mm.yyyy)

Certificate thumbprint

F5:51:DC:64:1D:2A:B1:5A:4A:5F:63:55:DA:08:A4:6B:66:BD:78:
B1:3B:81:42:56:96:FB:BA:D3:BB:2C:42:C9

//

The thumbprint of your certificate (SHA256)

Certificate as String

-----BEGIN CERTIFICATE-----
MIIC7jCCAdagAwIBAgIGAAaAAal6sMA0GCSqGSIb3DQEBCw

▲

▼

//

Your certificate

Reconfigure



Copy the String from ***Certificate as String*** field into an email and send it to UBS.

You will receive a call from UBS to verify the certificate you have just sent has not been tampered with. To do that, you will compare the Certificate Thumbprint with the representee of UBS. Once it's verified, UBS will activate the certificate for you and the connection can be established.

35.5. Connection configuration page

Use the **Connection configuration** page to change the connection settings.

Connection configuration

Soap Send URL*

https://psn-ch.ubs.com/app/GWS/in

The URL to send data via SOAP.

Soap Receive URL*

https://psn-ch.ubs.com/app/GWS/out

The URL to receive data via SOAP.

Receive URL*

https://psn-ch.ubs.com/app/GWS/receive

The URL to receive data.

Check URL*

https://psn-ch.ubs.com/app/GWS/res/check.jsp

The URL to check the connection.

Update interval [seconds]*

600

The Update interval defines the polling interval in seconds to receive data.

Connection timeout [seconds]*

120

The timeout in seconds until a connection is established. A value of zero means the timeout is not used.

Read timeout [seconds]*

300

The default socket timeout in seconds which is the timeout for waiting for data. A timeout value of zero is interpreted as an infinite timeout.

Retries*

3

The the number of retries when an error occurred when trying to receive data.

Max errors*

10

The **SOAP Send URL** defines the URL where the inbound messages are sent to. The **SOAP Receive URL** defines where the trading outbound messages are downloaded from. The **Receive URL** defines where the statement outbound messages are downloaded from. Which SWIFT message types are retrieved as trading or statement messages can be configured through UBS.

The **Check URL** is used to check the connection.

Normally you do not have to change the Send, Receive or Check URL.

The **Update interval** defines the polling interval in seconds to receive data.

The **Connection timeout** defines the timeout in seconds to wait until a connection has been established.

The **Read timeout** defines the timeout in seconds to wait for data.

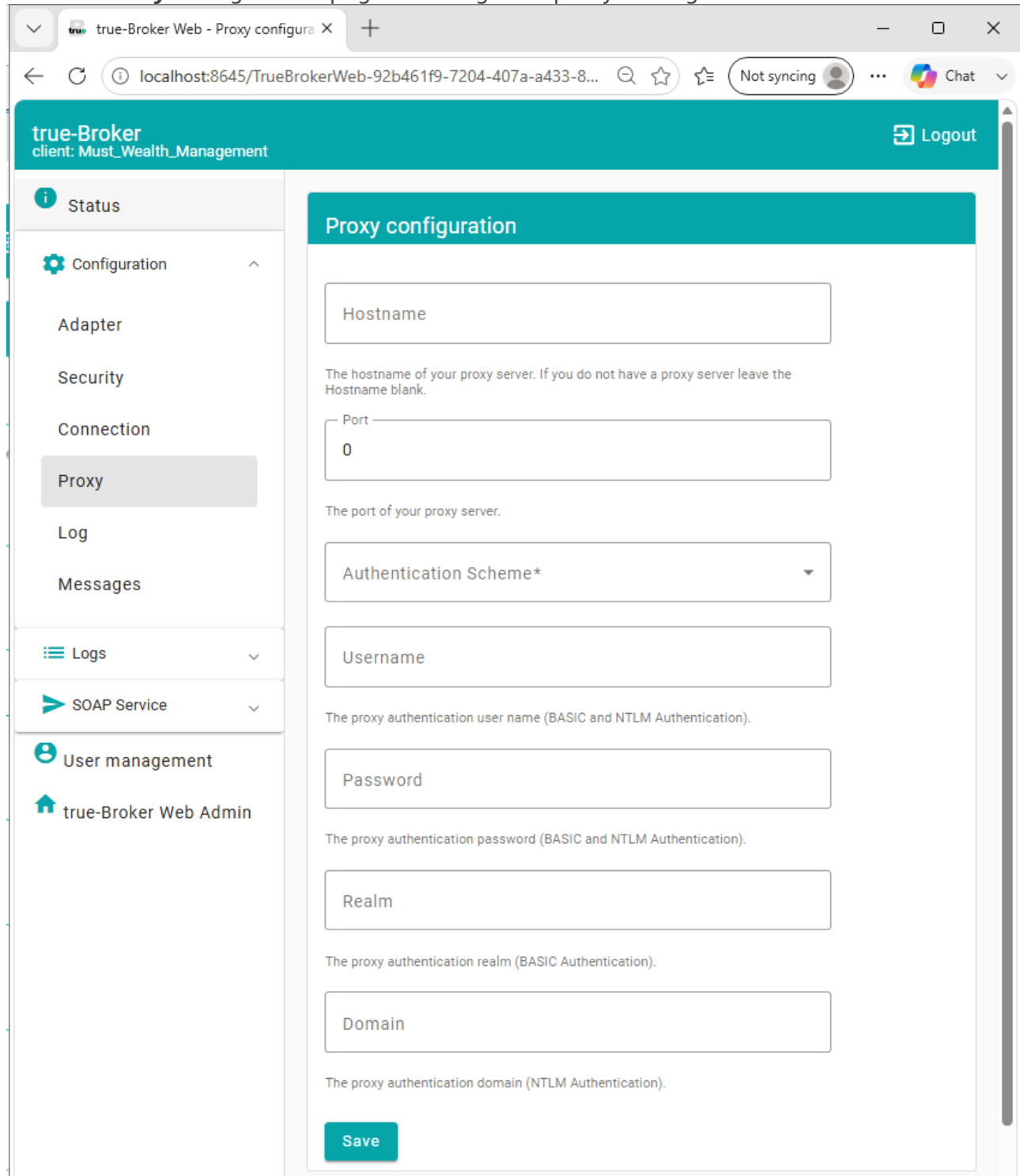
Retries defines the number of retries when an error occurred when trying to receive data.

The true-Broker Web application is restarted after **Max errors**. If the true-Broker Web application should never be restarted, use 0 as value for **Max errors**.

The **Error restart interval** defines the interval in seconds used to check whether true-Broker is in error state and must be restarted.

35.6. Proxy configuration page

Use the **Proxy** configuration page to change the proxy settings.



The screenshot shows a web browser window with the URL `localhost:8645/TrueBrokerWeb-92b461f9-7204-407a-a433-8...`. The page title is "true-Broker Web - Proxy configura X". The browser's address bar shows the URL and a "Not syncing" status. The page has a teal header with the "true-Broker" logo and "client: Must_Wealth_Management". A "Logout" button is in the top right. A left sidebar contains a menu with "Status", "Configuration", "Adapter", "Security", "Connection", "Proxy" (selected), "Log", "Messages", "Logs", "SOAP Service", "User management", and "true-Broker Web Admin". The main content area is titled "Proxy configuration" and contains the following fields and labels:

- Hostname**: A text input field. Below it, the text reads: "The hostname of your proxy server. If you do not have a proxy server leave the Hostname blank."
- Port**: A text input field with the value "0". Below it, the text reads: "The port of your proxy server."
- Authentication Scheme***: A dropdown menu.
- Username**: A text input field. Below it, the text reads: "The proxy authentication user name (BASIC and NTLM Authentication)."
- Password**: A text input field. Below it, the text reads: "The proxy authentication password (BASIC and NTLM Authentication)."
- Realm**: A text input field. Below it, the text reads: "The proxy authentication realm (BASIC Authentication)."
- Domain**: A text input field. Below it, the text reads: "The proxy authentication domain (NTLM Authentication)."
- Save**: A teal button at the bottom.

If you are behind a proxy to access the Internet, please enter the hostname and port of your proxy server.

Proxy configuration

Hostname

The hostname of your proxy server. If you do not have a proxy server leave the Hostname blank.

Port

0

The port of your proxy server.

Authentication Scheme*



If your proxy server requires Authentication choose the appropriate Scheme (BASIC / NTLM) and enter the username, password and realm or domain.

Authentication Scheme*

NTLM

Username

test

The proxy authentication user name (BASIC and NTLM Authentication).

Password

.....

The proxy authentication password (BASIC and NTLM Authentication).

Realm

The proxy authentication realm (BASIC Authentication).

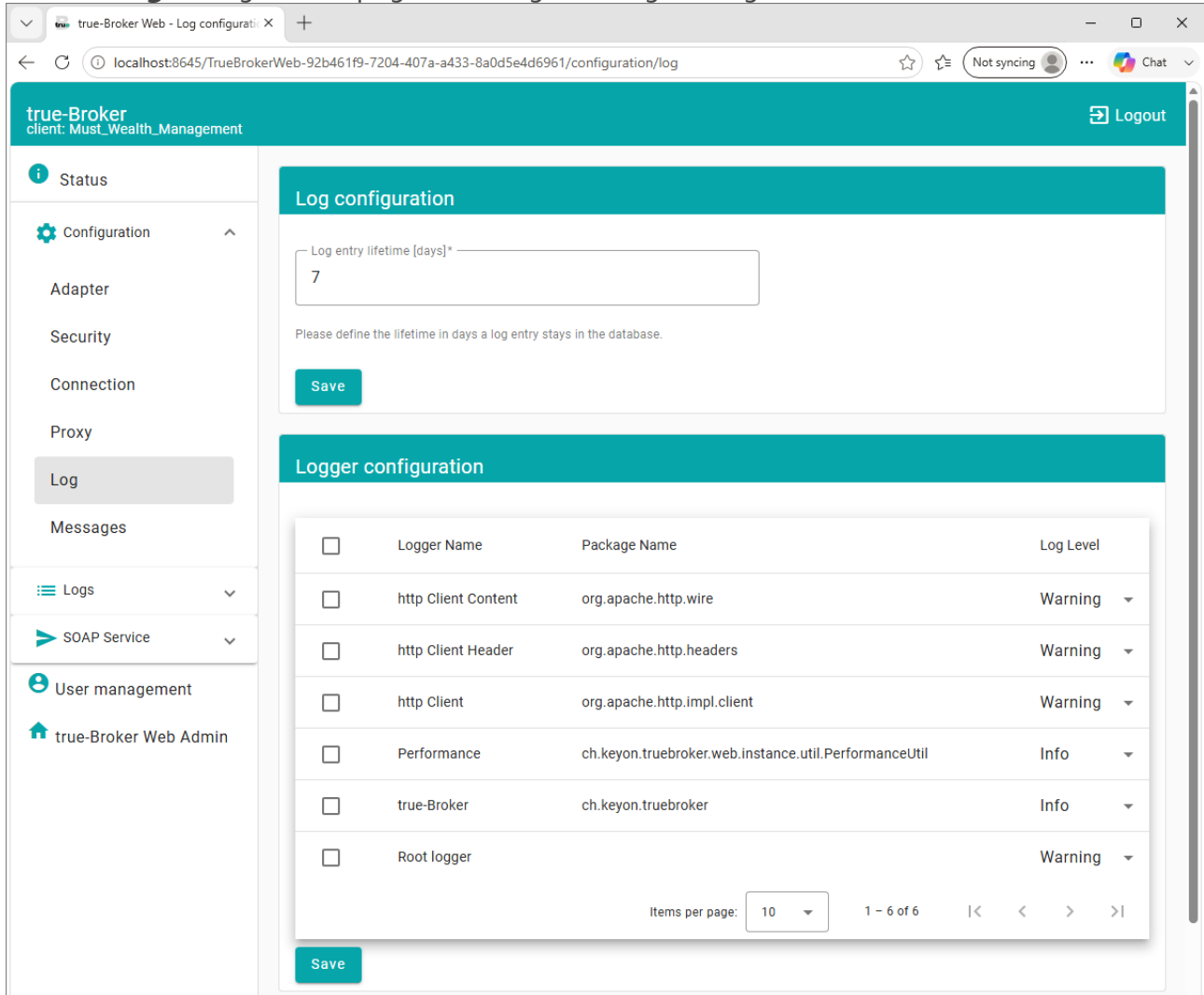
Domain

The proxy authentication domain (NTLM Authentication).

Save

35.7. Log configuration page

Use the **Log** configuration page to change the log settings.



The screenshot shows the 'true-Broker Web - Log configuration' page. The left sidebar contains navigation links: Status, Configuration, Adapter, Security, Connection, Proxy, Log (selected), Messages, Logs, SOAP Service, User management, and true-Broker Web Admin. The main content area is divided into two sections: 'Log configuration' and 'Logger configuration'.

Log configuration

Log entry lifetime [days]*:

Please define the lifetime in days a log entry stays in the database.

Logger configuration

☐	Logger Name	Package Name	Log Level
☐	http Client Content	org.apache.http.wire	Warning ▼
☐	http Client Header	org.apache.http.headers	Warning ▼
☐	http Client	org.apache.http.impl.client	Warning ▼
☐	Performance	ch.keyon.truebroker.web.instance.util.PerformanceUtil	Info ▼
☐	true-Broker	ch.keyon.truebroker	Info ▼
☐	Root logger		Warning ▼

Items per page: 10 ▼ 1 - 6 of 6 |< < > >|

Log entries are written to log files and to the internal database. The lifetime a log entry stays in the database set the **Log entry lifetime** accordingly. The Log entry lifetime is defined in days.

Log configuration

Log entry lifetime [days]*

7

Please define the lifetime in days a log entry stays in the database.

Save

You can change the log level of a logger. To do so please select the log level from the drop-down list.

Logger configuration

☐	Logger Name	Package Name	Log Level
☐	http Client Content	org.apache.http.wire	Warning ▾
☐	http Client Header	org.apache.http.headers	Warning ▾
☐	http Client	org.apache.http.impl.client	Warning ▾
☐	Performance	ch.keyon.truebroker.web.instance.util.PerformanceUtil	Info ▾
☐	true-Broker	ch.keyon.truebroker	Info ▾
☐	Root logger		Warning ▾

Items per page:

10 ▾

1 – 6 of 6

|<

<

>

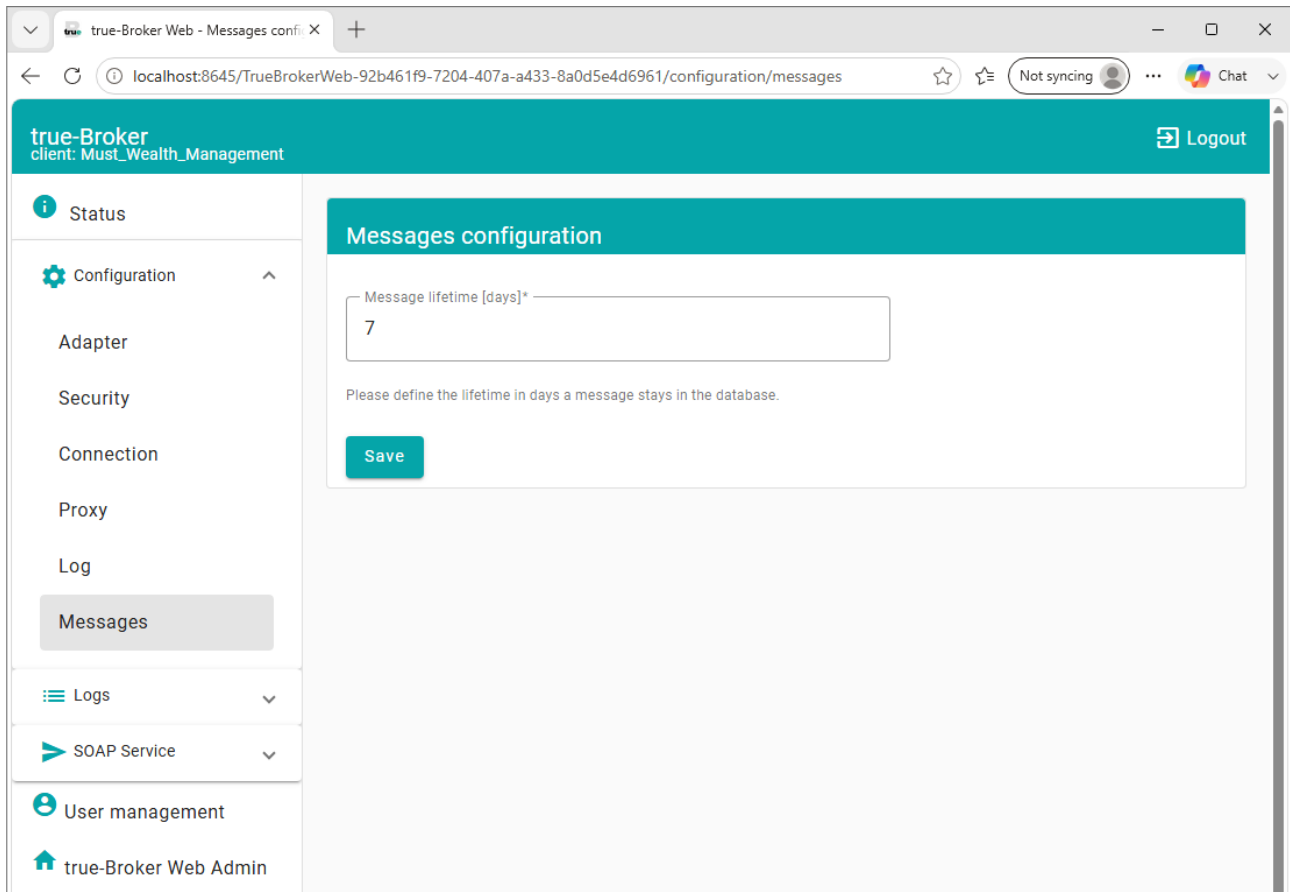
>|

Save

Do not use the log levels ALL, TRACE or DEBUG in production mode.

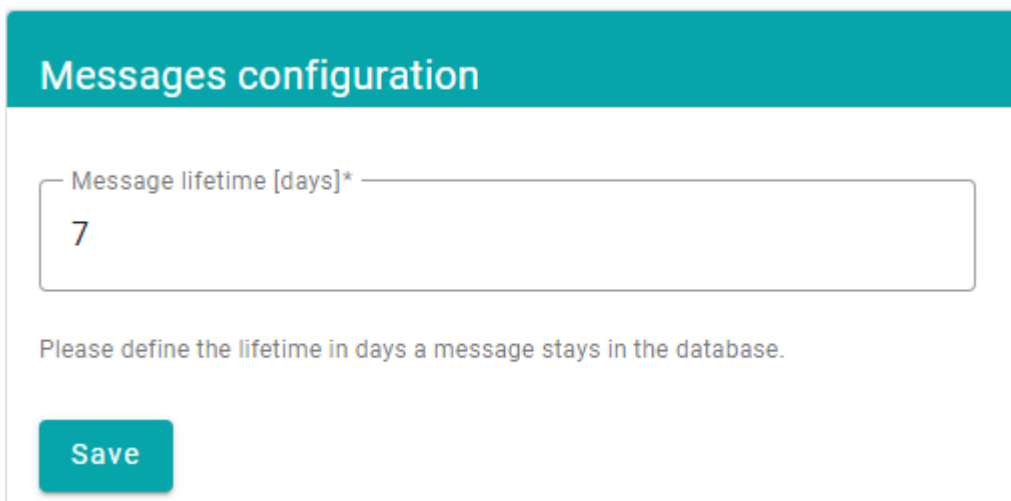
35.8. Messages configuration page

Use the **Messages** configuration page to change the messages settings.



The screenshot shows a web browser window with the URL `localhost:8645/TrueBrokerWeb-92b461f9-7204-407a-a433-8a0d5e4d6961/configuration/messages`. The page title is "true-Broker client: Must_Wealth_Management". The left sidebar contains a menu with the following items: Status, Configuration (expanded), Adapter, Security, Connection, Proxy, Log, Messages (selected), Logs, SOAP Service, User management, and true-Broker Web Admin. The main content area is titled "Messages configuration" and contains a form with a single input field labeled "Message lifetime [days]*" with the value "7". Below the input field is a note: "Please define the lifetime in days a message stays in the database." and a "Save" button.

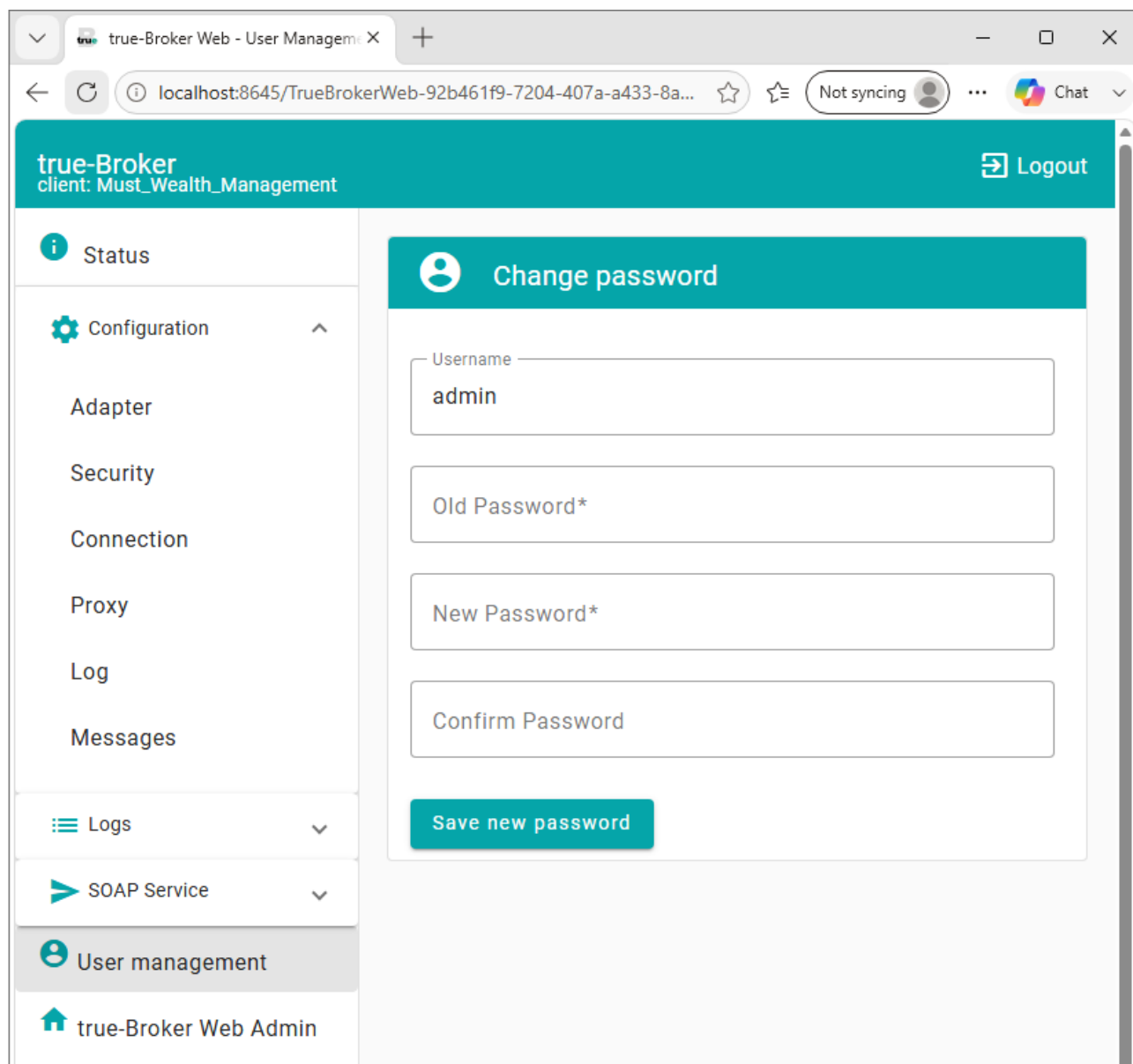
Messages sent or received through the SOAP service are additionally stored in the local database. Use the Message lifetime to define the time a message entry stays in the database. The Message lifetime is defined in days.



The close-up shows the "Messages configuration" section. It features a teal header with the title "Messages configuration". Below the header is a form with a single input field labeled "Message lifetime [days]*" with the value "7". Below the input field is a note: "Please define the lifetime in days a message stays in the database." and a "Save" button.

35.9. Change password page

Use the change password link to change your password.



The screenshot shows a web browser window with the URL `localhost:8645/TrueBrokerWeb-92b461f9-7204-407a-a433-8a...`. The page title is "true-Broker client: Must_Wealth_Management". The left sidebar contains a navigation menu with the following items: Status, Configuration (expanded), Adapter, Security, Connection, Proxy, Log, Messages, Logs, SOAP Service, User management (selected), and true-Broker Web Admin. The main content area is titled "Change password" and contains the following form fields: Username (with the value "admin"), Old Password*, New Password*, and Confirm Password. A "Save new password" button is located at the bottom of the form.

Enter the old password, the new password and confirm it.

 **Change password**

Username

admin

Old Password*

New Password*

Confirm Password

Save new password

Press the Save new password button to change the password.

 **Change password**

Username

admin

Old Password*

.....

New Password*

.

Confirm Password

.

Save new password

Password must be 8 or more characters in length.

Password must contain 1 or more uppercase

characters. Password must contain 1 or more digit

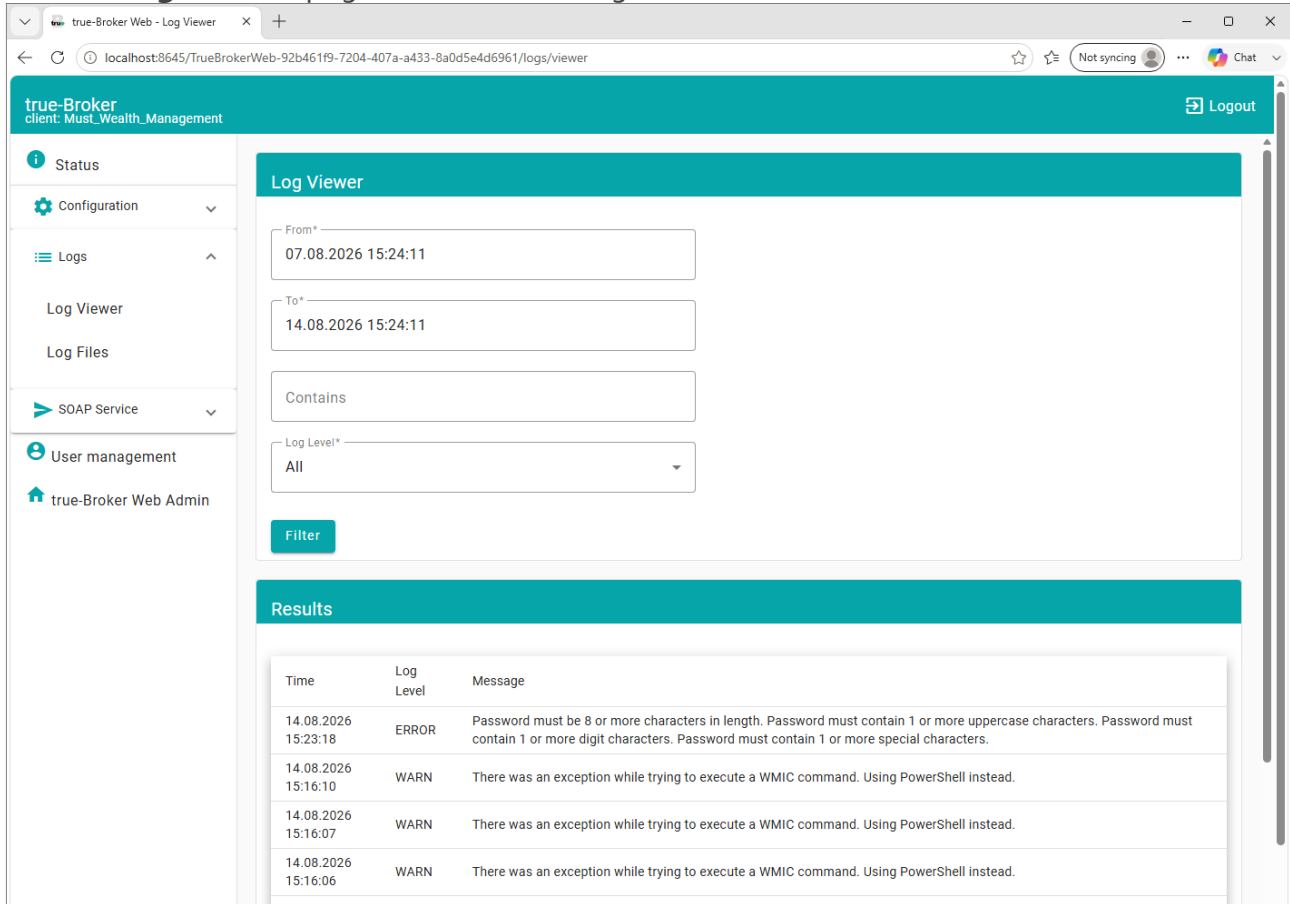
characters. Password must contain 1 or more special

characters.

The new password must follow the password policy, and it cannot be a password which was previously used.

35.10. Log Viewer page

Use the **Log Viewer** page to browse the log entries.



Time	Log Level	Message
14.08.2026 15:23:18	ERROR	Password must be 8 or more characters in length. Password must contain 1 or more uppercase characters. Password must contain 1 or more digit characters. Password must contain 1 or more special characters.
14.08.2026 15:16:10	WARN	There was an exception while trying to execute a WMIC command. Using PowerShell instead.
14.08.2026 15:16:07	WARN	There was an exception while trying to execute a WMIC command. Using PowerShell instead.
14.08.2026 15:16:06	WARN	There was an exception while trying to execute a WMIC command. Using PowerShell instead.

Log events are stored in the internal database and log files. The Log Viewer can be used to search for specific log events in the internal database. The lifetime a log entry stays in the internal database is defined using the Log Configuration page.

Log Viewer

From*

07.08.2026 15:24:11

To*

14.08.2026 15:24:11

Contains

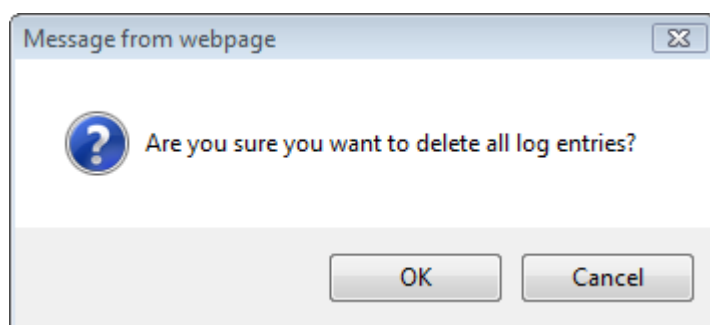
Log Level*

All

Filter

Use the log filter to search specific log entries. Press the **Filter** button to start searching.

Use the **Delete All Logs** button to delete all log entries in the database.

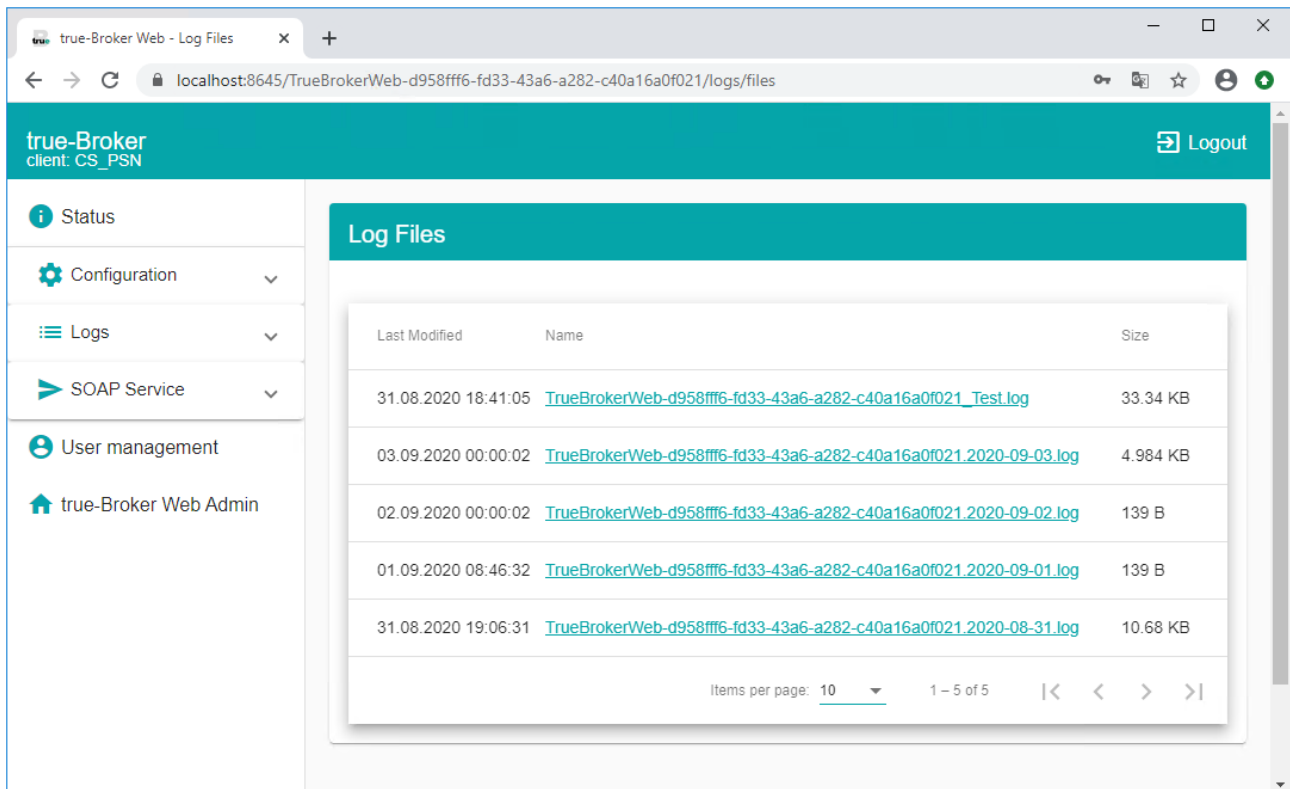


Press **OK** to confirm the delete action.

Only log entries of the current true-Broker Web client are deleted. Log entries in the log files are not deleted.

35.11. Log Files page

You can download the log files using the **Log file** page.



true-Broker Web - Log Files

localhost:8645/TrueBrokerWeb-d958fff6-fd33-43a6-a282-c40a16a0f021/logs/files

true-Broker client: CS_PSN Logout

Status

Configuration

Logs

SOAP Service

User management

true-Broker Web Admin

Log Files

Last Modified	Name	Size
31.08.2020 18:41:05	TrueBrokerWeb-d958fff6-fd33-43a6-a282-c40a16a0f021_Test.log	33.34 KB
03.09.2020 00:00:02	TrueBrokerWeb-d958fff6-fd33-43a6-a282-c40a16a0f021.2020-09-03.log	4.984 KB
02.09.2020 00:00:02	TrueBrokerWeb-d958fff6-fd33-43a6-a282-c40a16a0f021.2020-09-02.log	139 B
01.09.2020 08:46:32	TrueBrokerWeb-d958fff6-fd33-43a6-a282-c40a16a0f021.2020-09-01.log	139 B
31.08.2020 19:06:31	TrueBrokerWeb-d958fff6-fd33-43a6-a282-c40a16a0f021.2020-08-31.log	10.68 KB

Items per page: 10 1 - 5 of 5

Select a log file link to download the log file.

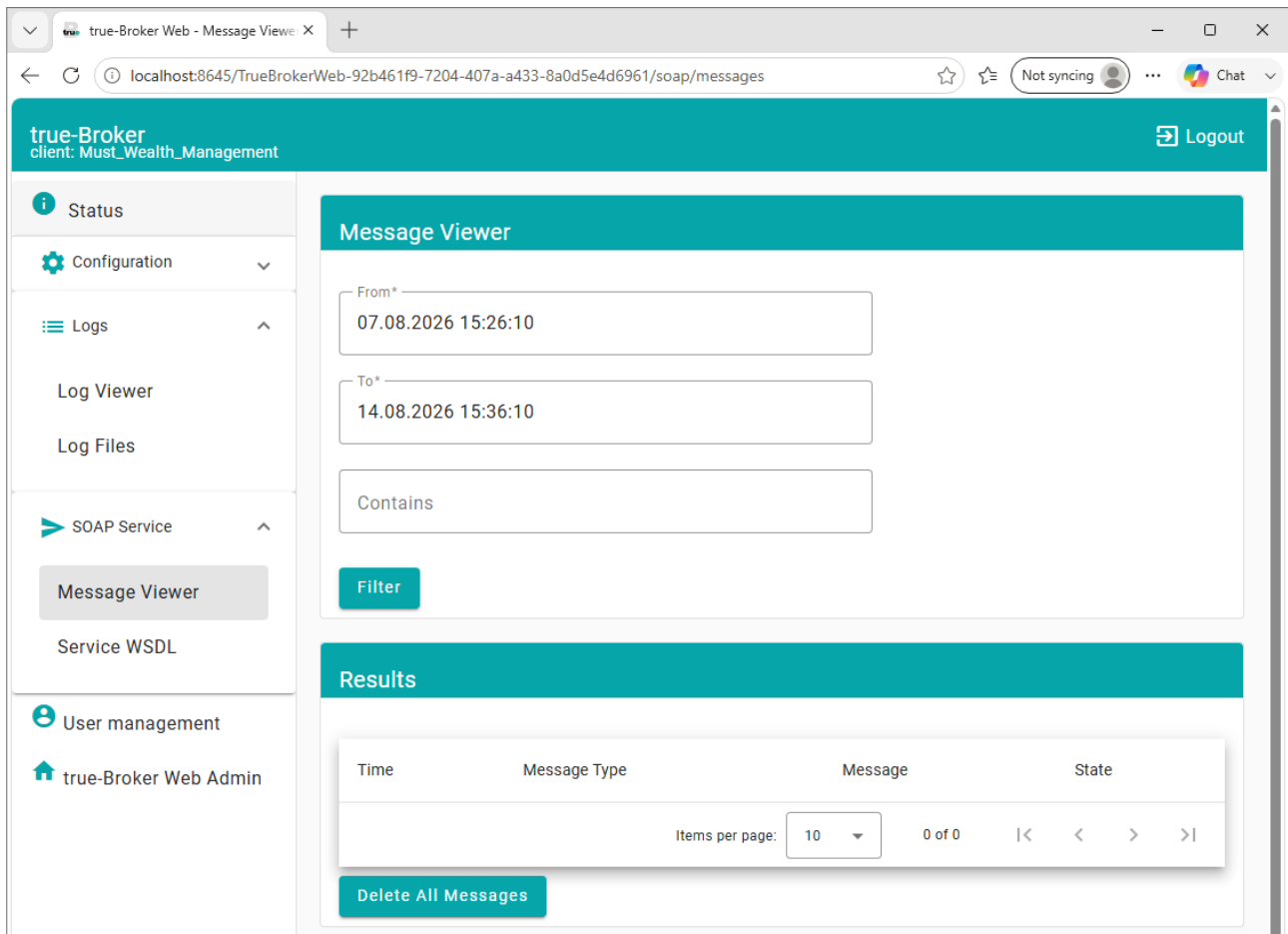
Log Files

Last Modified	Name	Size
31.08.2020 18:41:05	TrueBrokerWeb-d958fff6-fd33-43a6-a282-c40a16a0f021_Test.log	33.34 KB
03.09.2020 00:00:02	TrueBrokerWeb-d958fff6-fd33-43a6-a282-c40a16a0f021.2020-09-03.log	4.984 KB
02.09.2020 00:00:02	TrueBrokerWeb-d958fff6-fd33-43a6-a282-c40a16a0f021.2020-09-02.log	139 B
01.09.2020 08:46:32	TrueBrokerWeb-d958fff6-fd33-43a6-a282-c40a16a0f021.2020-09-01.log	139 B
31.08.2020 19:06:31	TrueBrokerWeb-d958fff6-fd33-43a6-a282-c40a16a0f021.2020-08-31.log	10.68 KB

Items per page: 10 1 - 5 of 5

35.12. Message Viewer page

Messages that are sent and received through the SOAP service interface are additionally stored in the local database. Use the **Message Viewer** page to download or delete the messages.



The screenshot shows the 'true-Broker' web interface. The top header bar is teal with the 'true-Broker' logo and 'client: Must_Wealth_Management' on the left, and a 'Logout' button on the right. A sidebar on the left contains navigation links: Status, Configuration, Logs, Log Viewer, Log Files, SOAP Service, Message Viewer (highlighted), Service WSDL, User management, and true-Broker Web Admin. The main content area is titled 'Message Viewer' and contains three input fields for filtering: 'From*' (07.08.2026 15:26:10), 'To*' (14.08.2026 15:36:10), and 'Contains'. A 'Filter' button is below these fields. Below the filter section is a 'Results' section with a table header: Time, Message Type, Message, and State. The table is currently empty. Below the table is a pagination control showing 'Items per page: 10' and '0 of 0'. A 'Delete All Messages' button is at the bottom of the results section.

Use the message filter to search specific messages.

Message Viewer

From*

07.08.2026 15:26:10

To*

14.08.2026 15:36:10

Contains

Filter

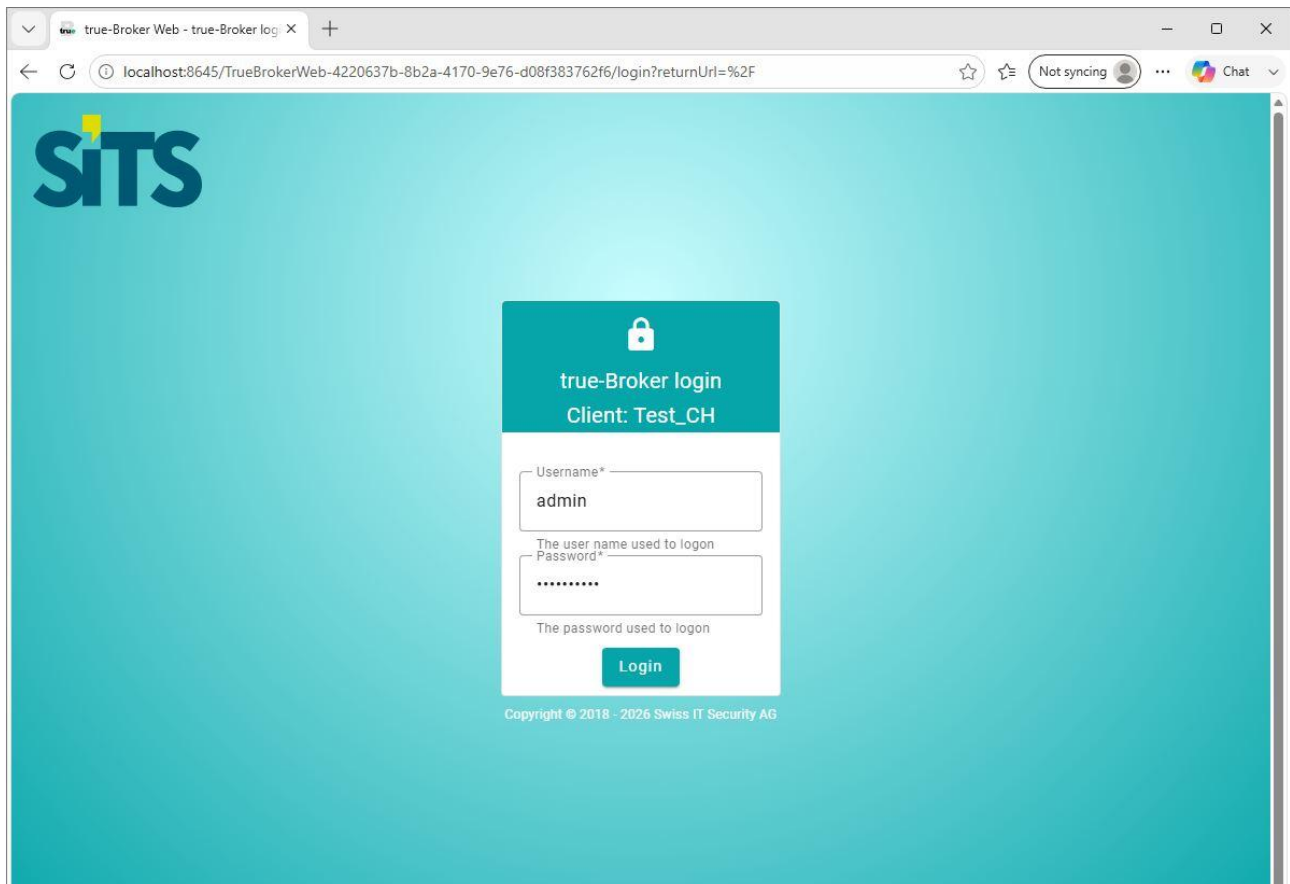
Use the message link to download the message.

Results			
☐ Time	Message Type	Message	State
☐	SOAP Inbound Message	{1:F01CRESCHZZXEBG0000000000}{2:I502CRESCHZZX80AN}{3:{108: PSN-TEST-003}}{4: :16R:GENL :20C::SEME//PSN-TEST-003 :23G:NEWM :98A::PREP//20190722 :22F::TRTR//TRAD :16S:GENL :16R:ORDRDET :22H::BUSE//BUYI :22F::TOOR//MAKT :22F::TILI//GTHD :22H::PAYM//APMT :98A::EXPI//20200722 :11A::FXIB//GBP :16R:TRADPRTY :95P::INVE//EXSSGGGABF :97A::SAFE//0893-9591994-75-000 :16S:TRADPRTY :36B::ORDR//UNIT/10, :35B:ISIN CH0012268360 Kudelski P :16R:FIA :12A::CLAS//EQU :16S:FIA :16S:ORDRDET -}	sent
☐	SOAP Inbound Response	{1:F21CRESCHZZXEBG0000000000}{4:{177:2009021209}}{451:0}{108: PSN-TEST-003}}	received
Items per page: 10 1 – 2 of 2 < < > > Delete All Messages			

35.13. Logout

To logout from the true-Broker Web application select the Logout button in the upper right corner.

Pressing the **Logout** button redirects you to the Logon page.



35.14. Service WSDL page

The **Service WSDL** page displays the WSDL of the true-Broker Web SOAP service. Use this link in your Web service client application.

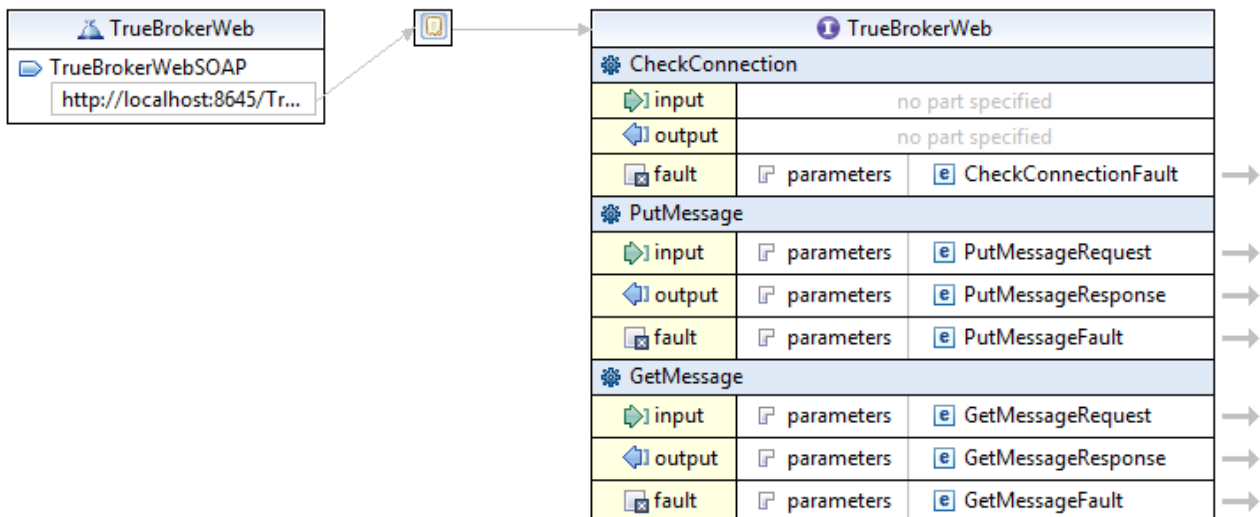
```

- <!--
  Published by JAX-WS RI at http://jax-ws.dev.java.net. RI's version is JAX-WS RI 2.1.3-hudson-390-.
-->
- <wsdl:definitions name="TrueBrokerWeb" targetNamespace="http://www.keyon.ch/TrueBrokerWeb/">
+ <wsdl:types></wsdl:types>
  <wsdl:message name="CheckConnectionRequest"></wsdl:message>
  <wsdl:message name="CheckConnectionResponse"></wsdl:message>
+ <wsdl:message name="CheckConnectionFaultMsg"></wsdl:message>
+ <wsdl:message name="PutMessageRequest"></wsdl:message>
+ <wsdl:message name="PutMessageResponse"></wsdl:message>
+ <wsdl:message name="PutMessageFaultMsg"></wsdl:message>
+ <wsdl:message name="GetMessageRequest"></wsdl:message>
+ <wsdl:message name="GetMessageResponse"></wsdl:message>
+ <wsdl:message name="GetMessageFaultMsg"></wsdl:message>
+ <wsdl:portType name="TrueBrokerWeb"></wsdl:portType>
+ <wsdl:binding name="TrueBrokerWebSOAP" type="tbw:TrueBrokerWeb"></wsdl:binding>
- <wsdl:service name="TrueBrokerWeb">
  - <wsdl:port binding="tbw:TrueBrokerWebSOAP" name="TrueBrokerWebSOAP">
    <soap:address location="http://localhost:8645/TrueBrokerWeb-22e0ad16-5188-4748-a47b-2c99e8f31e5e/TrueBrokerWebSOAP"/>
  </wsdl:port>
</wsdl:service>
</wsdl:definitions>

```

35.15. Service Definition

True-Broker Web offers a SOAP service with the following interface.



35.15.1. Operation CheckConnection

This function is used for an initial connection test. This function must have the following parameters:

Fault		
CheckConnectionFault		
	Element	Description

Fault		
	CheckConnectionFault	Contains reason message in case of connectivity error.

35.15.2. Operation PutMessage

This function is used to transfer message from the client system to the target system. This function must have the following parameters:

Input Parameter		
PutMessageRequest		
	Element	Description
	message	The message to be sent.

Output Parameter		
PutMessageResponse		
		
	Element	Description
	response	SWIFT Response (F21 ACK or NACK)

Fault		
PutMessageFault		
	Element	Description
	PutMessageFault	Contains reason message in case of a transfer error.

35.15.3. Operation GetMessage

This function is used to request a message from the target system. This function must have the following parameters:

Input Parameter		
GetMessageRequest		
		
	Element	Description
	timeout	Maximum time interval (in seconds) the function will wait for a receiving message.

Output Parameter		
GetMessageResponse		
	Element	Description
	message	Contains the response message. If no message is available this string is empty.

Fault		
GetMessageFault		
	Element	Description
	GetMessageFault	Contains reason message in case of a transfer error.

35.16. Monitoring

The true-Broker web application offers a simple monitoring endpoint which shows the status of all configured clients in a JSON format.

It can be reached at:

<http://localhost:8645/TrueBrokerWebAdmin/api/healthcheck/status>

The response will be as per the example below:

```
[
{
"connectionStatus": "CONNECTED",
"lastCheckTimeStamp": "08:00:00 18.07.2025",
"running": true,
"clientName": "TEST_UBS_Lux"
},
{
"connectionStatus": "STOPPED",
"lastCheckTimeStamp": "08:00:00 18.07.2025",
"running": false,
"clientName": "TEST_USB_CH"
}
```



}

]

36. User Manual V-5.0.5

37. Overview

true-Broker enables UBS customers to automatically exchange data with B2B applications of UBS over the Internet. true-Broker Web is responsible to establish a secure communication with the UBS Web-Portal. The communication is secured using 128bit SSL/TLS with certificate based authentication.

true-Broker Web is a Web application running on an Apache Tomcat server.

true-Broker Web is multi-client capable. true-Broker Web Administration may be used to manage the client instances of true-Broker Web. For each client a specific true-Broker Web application instance is deployed on Apache Tomcat which separates it from the other clients.

The configuration of each true-Broker Web client instance is held in an internal data base.

true-Broker Web additionally offers a Web service interface for real time message exchange. The supported operations of the Web service interface are:

- Check the connection to the target system
- Transfer a message from the client system to the target system
- Check the status of a sent message
- Receive a message from the target system

37.1. System Requirements

Operating systems

- Microsoft Windows Server 2016 x64 or higher
- Microsoft Windows 10 x64

Software

- true-Broker Web 5.x
- Token middleware (optional)
- SafeNet Authentication Client 10 or higher

Hardware

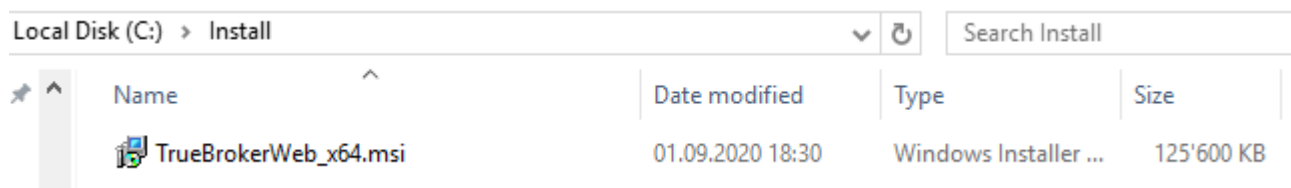
- 20 GB free hard disk
- 4 GB RAM
- free USB port (optional)
- Token (optional)

Other

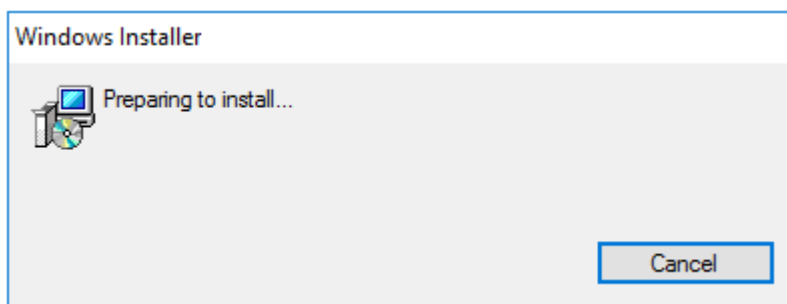
- Administrator rights
- https access to the Internet (proxy configuration parameters if required)
- Unbound local port 8645 and 8646
- Firewall allowing connections to <https://localhost:8646>

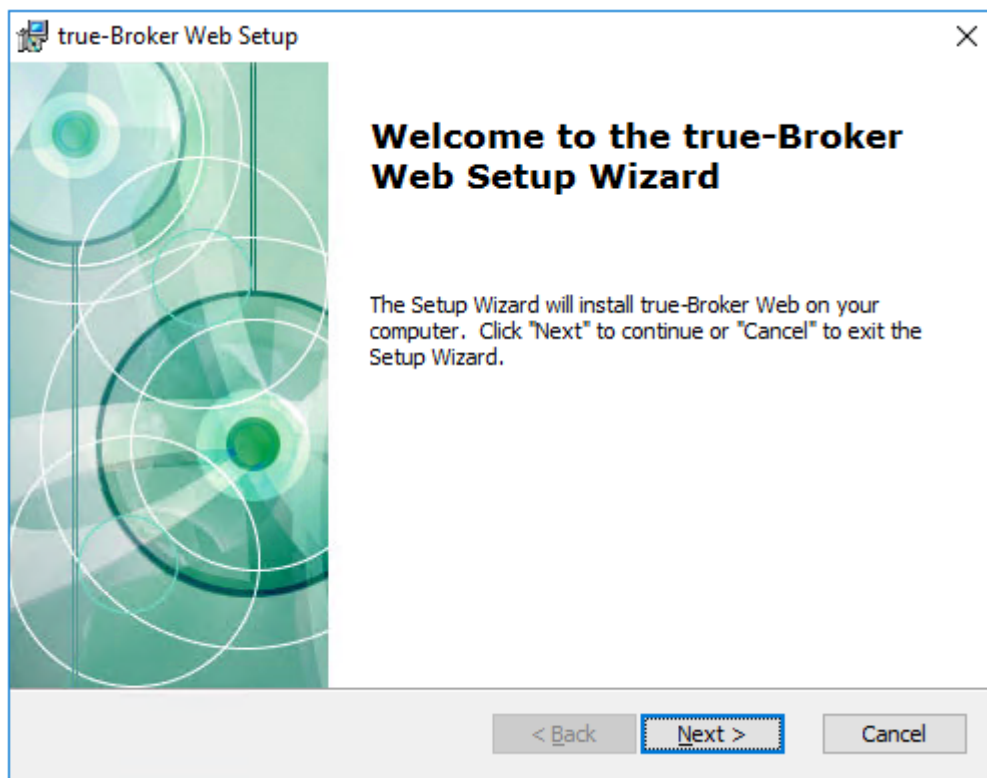
38. Installing true-Broker Web

The true-Broker Web installation is based on Windows Installer Packages. Please navigate to the TrueBrokerWeb.msi.

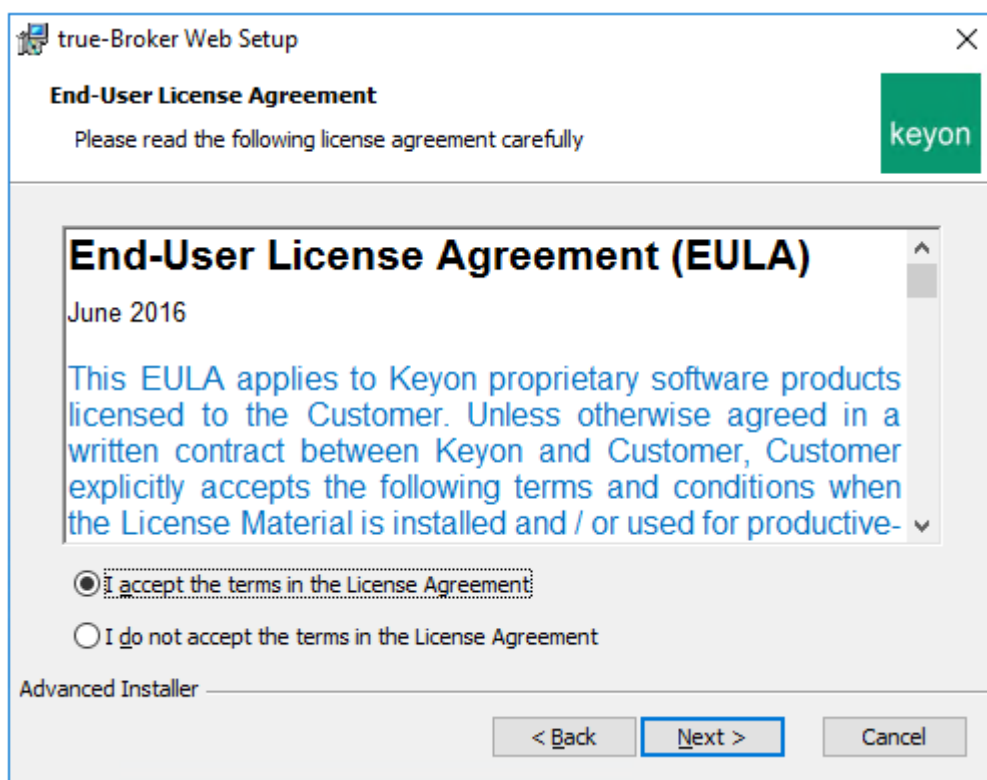


Double-click the TrueBrokerWeb.msi to start the installation process.

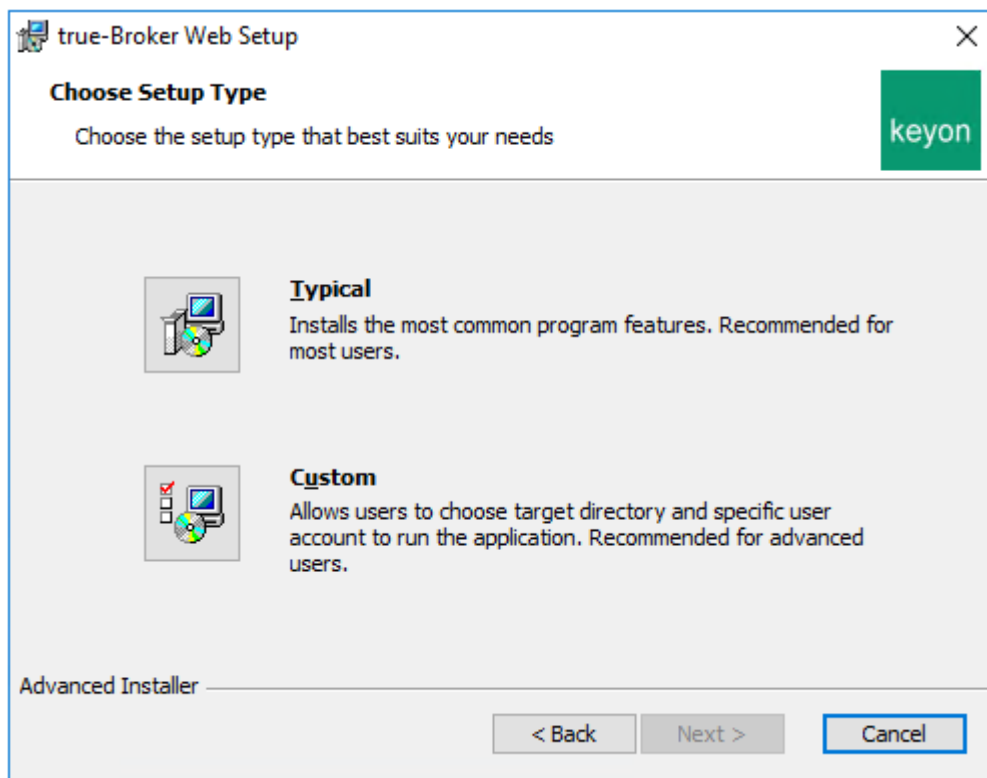




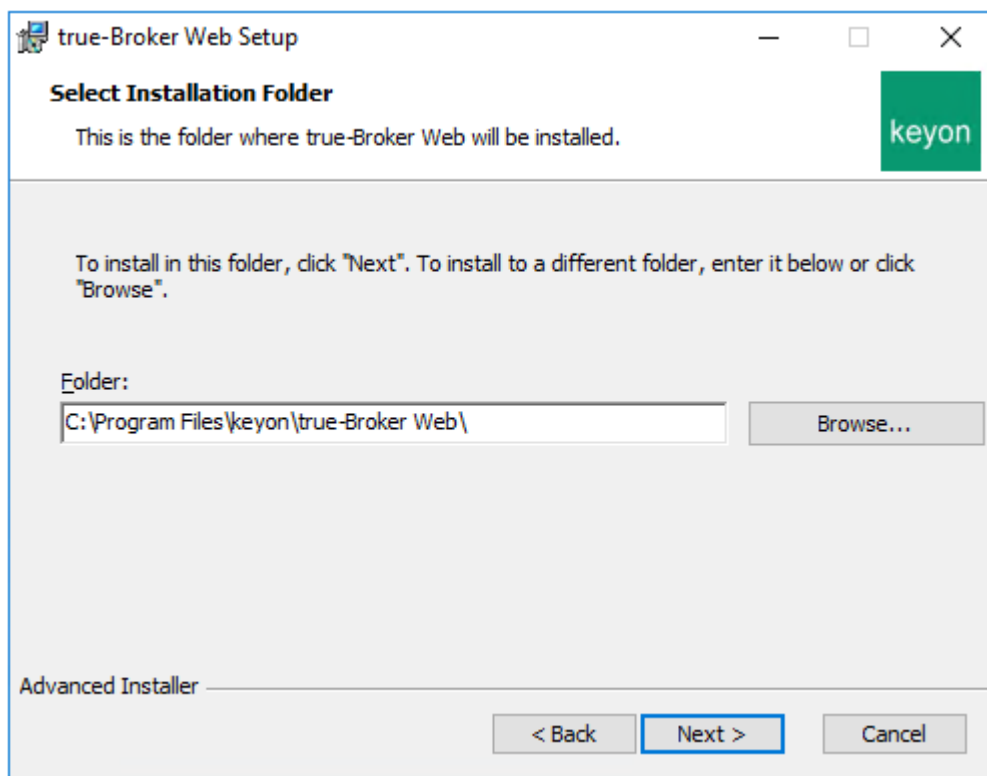
Press **Next** to continue or **Cancel** to abort the installation process.



Please accept the EULA to use true-Broker. Press **Next** to continue.

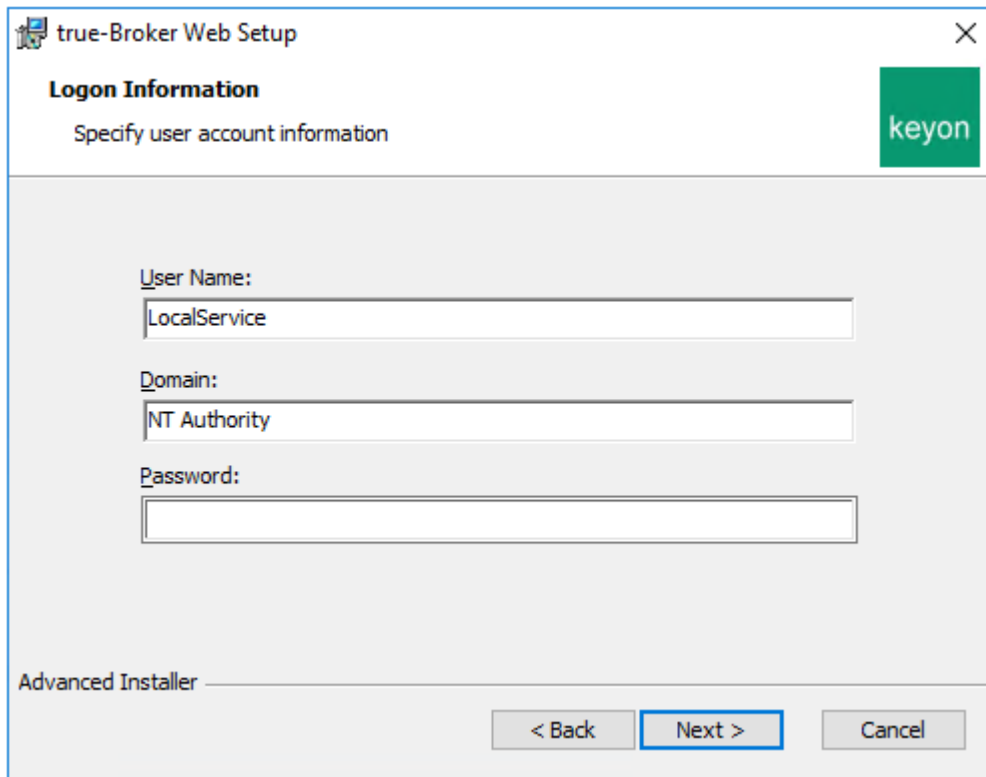


Please select **Typical** to install true-Broker with default parameters. Press **Next** to continue.



In case you choose **Custom**

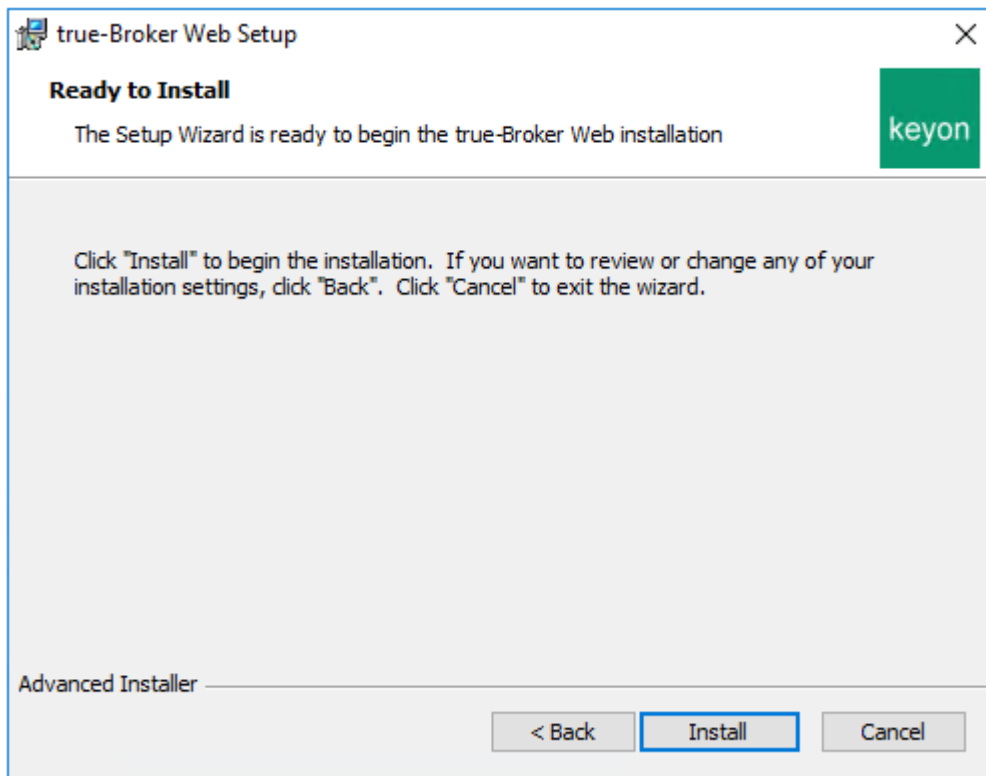
Please select the folder where to install true-Broker Web. Press **Next** to continue.



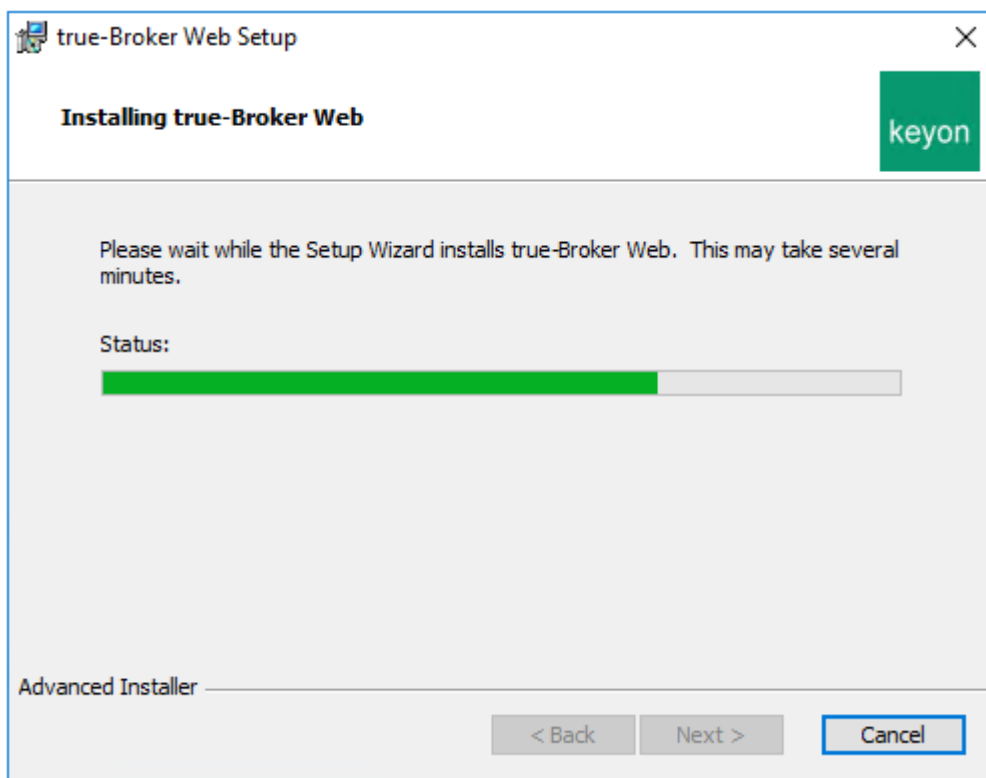
The image shows a Windows-style dialog box titled "true-Broker Web Setup". It has a standard window frame with a close button (X) in the top right corner. The main content area is titled "Logon Information" with the subtitle "Specify user account information". In the top right corner of the content area, there is a green square logo with the word "keyon" in white. Below the title, there are three text input fields. The first is labeled "User Name:" and contains the text "LocalService". The second is labeled "Domain:" and contains the text "NT Authority". The third is labeled "Password:" and is currently empty. At the bottom of the dialog box, there is a section labeled "Advanced Installer" which contains three buttons: "< Back", "Next >" (which is highlighted with a blue border), and "Cancel".

In case you choose **Custom**

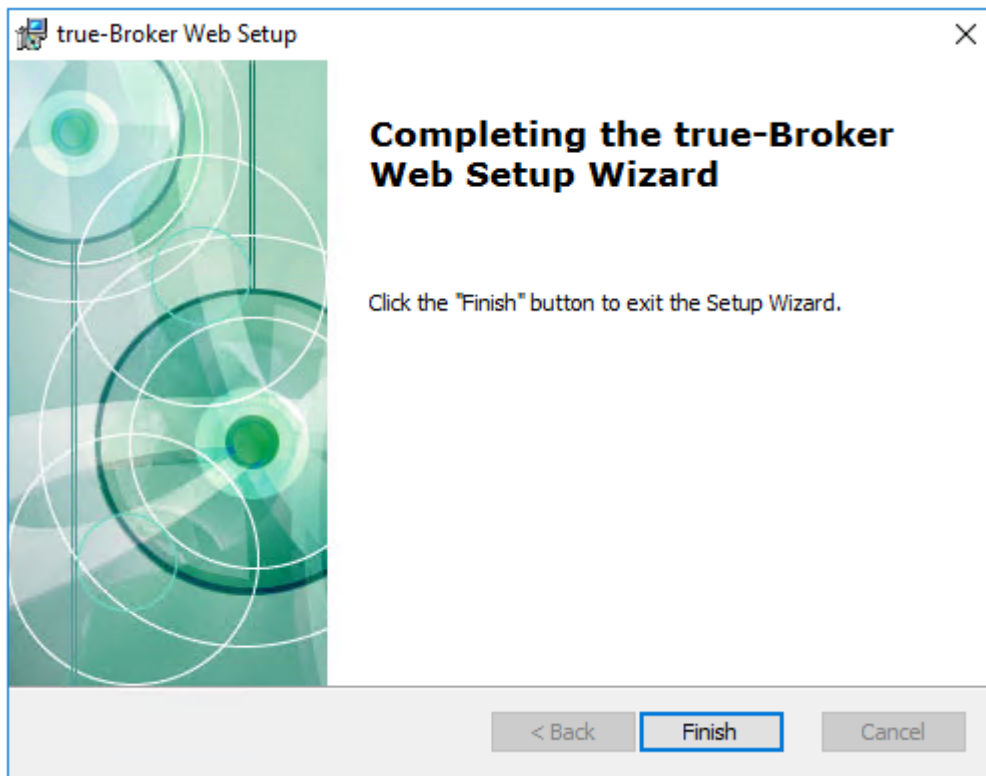
Please enter the User under which true-Broker should be executed. Or leave the default **LocalService** user. Press **Next** to continue.



Click **Install** to start the installation.



The installation process copies the necessary files to the previously defined installation directory, installs Apache Tomcat as a Windows Service and starts it.

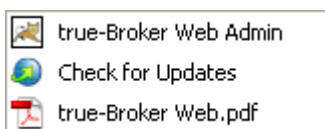


Press **Finish** to end the installation process.

39. Updating true-Broker Web

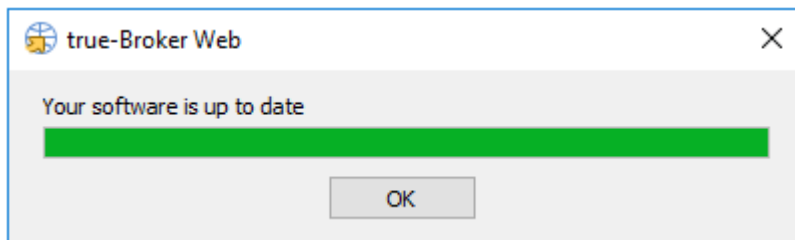
39.1. Using Check for Updates

Use the Check for Updates menu item in the keyon → true-Broker Web menu to start the update process.

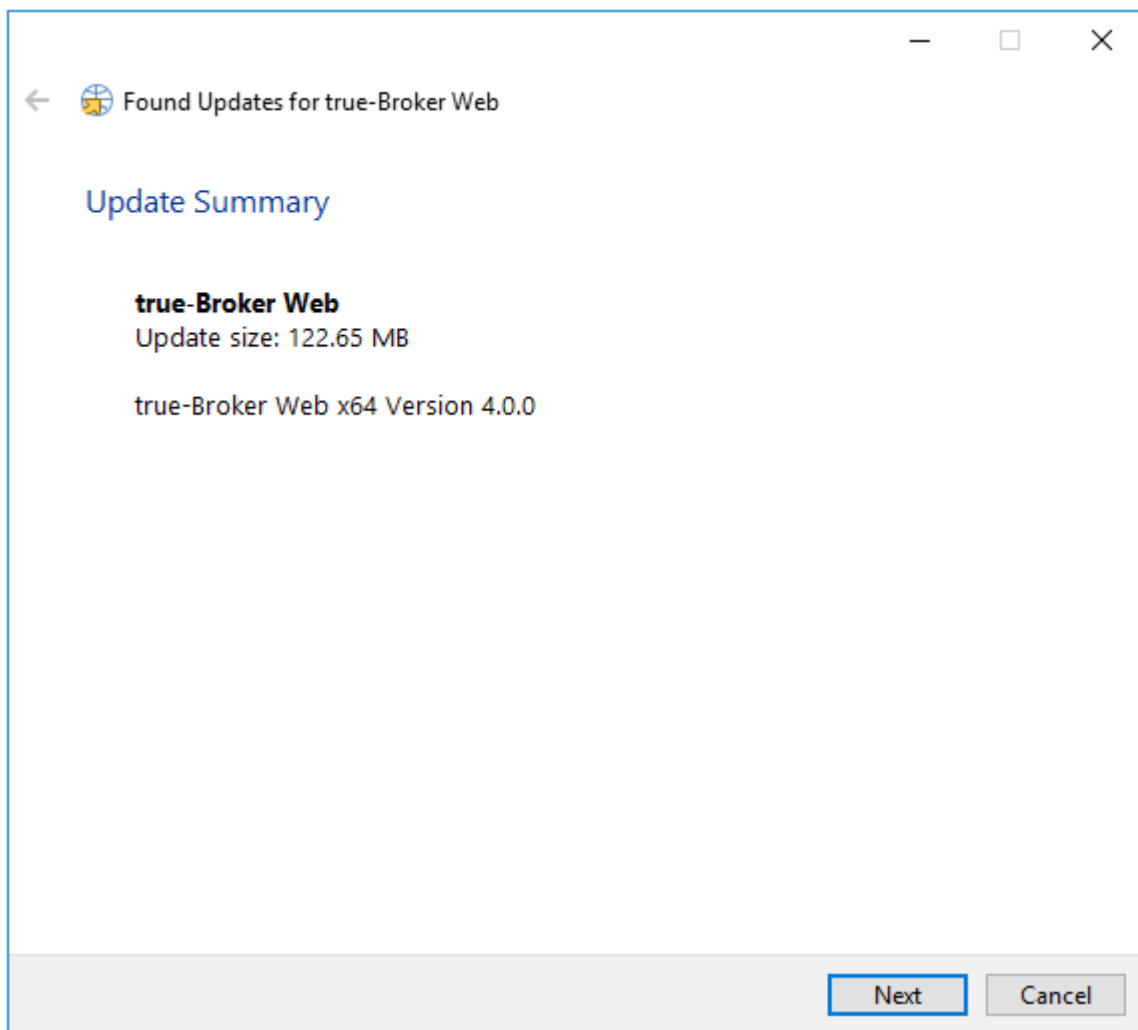


The update process checks online whether updates are available. The update process uses the Internet Explorer connection settings to establish a connection to the update page using http. The update page is located on <https://www.keyon.ch>.

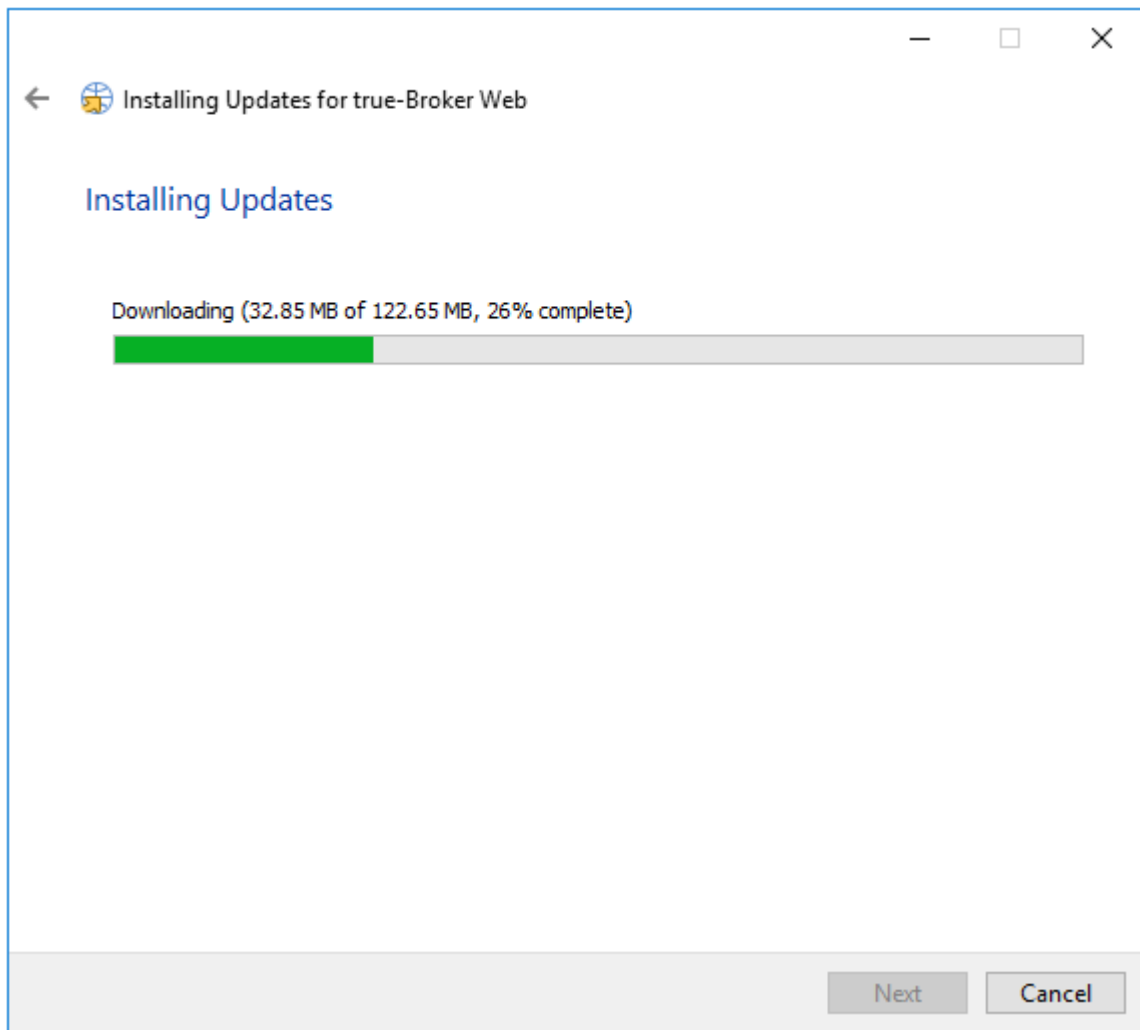
If your true-Broker Web Installation is up to date the following message window is displayed.



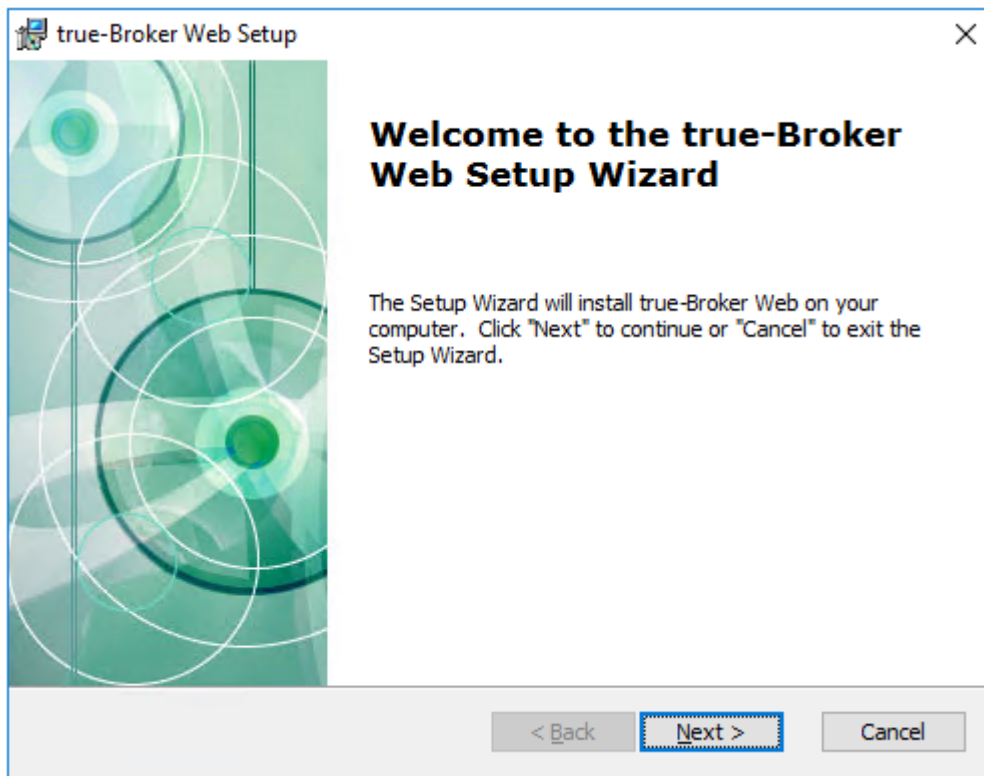
If an update is available, the following window is displayed.



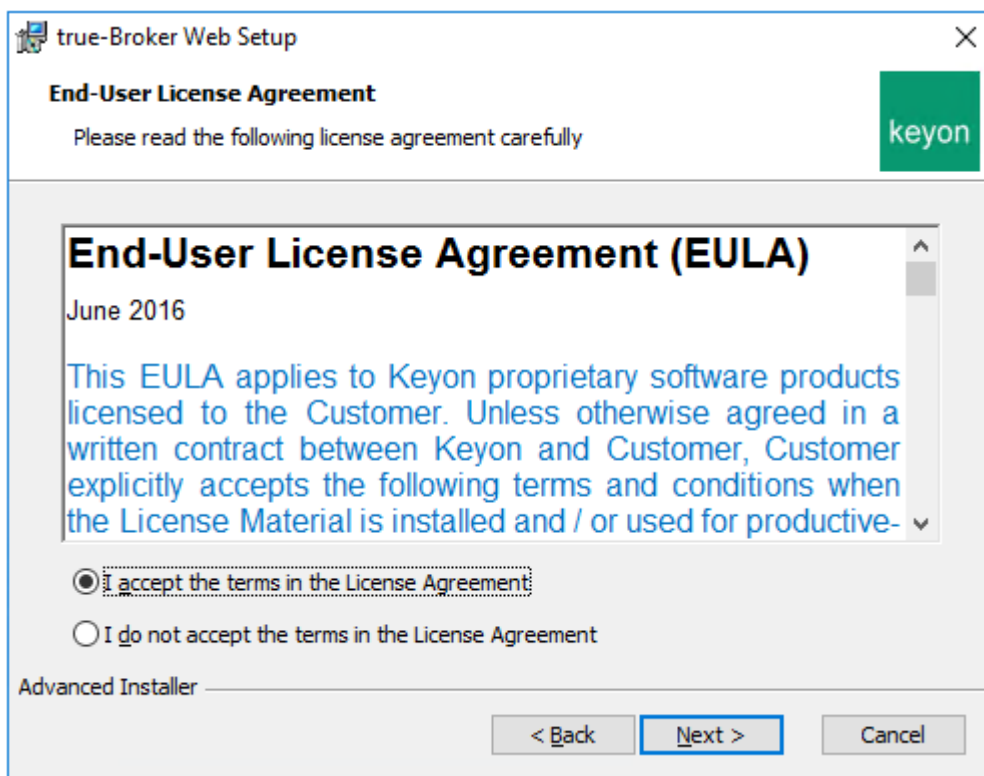
Press **Next** to start the update process.



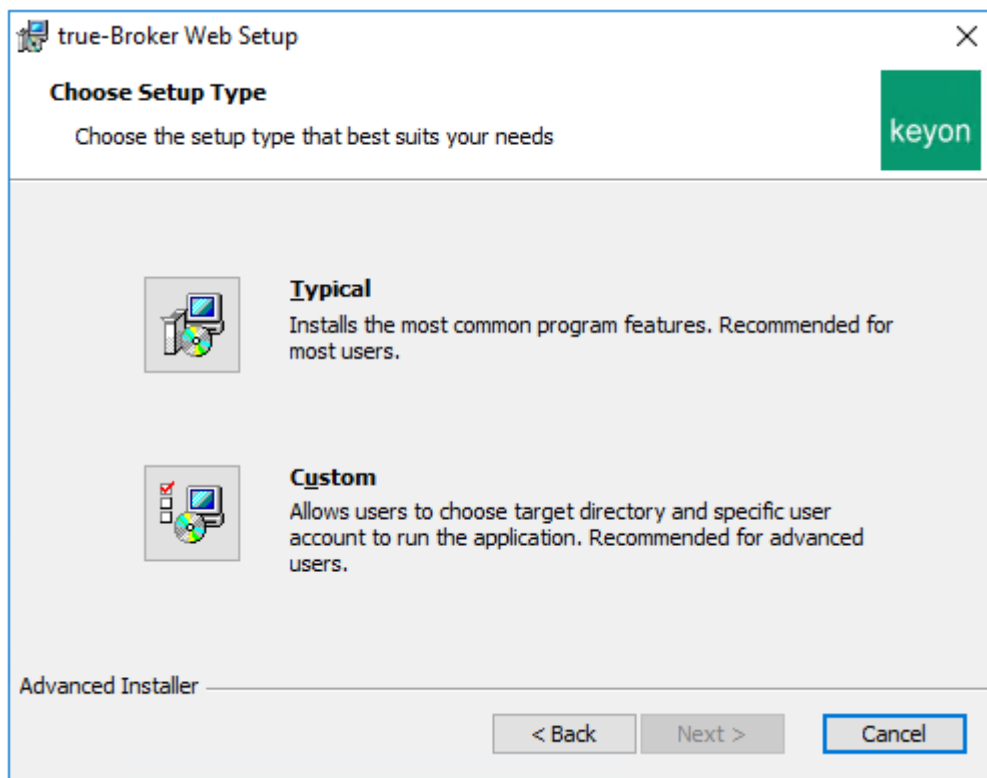
The update process downloads the patch and starts the patch installation process.



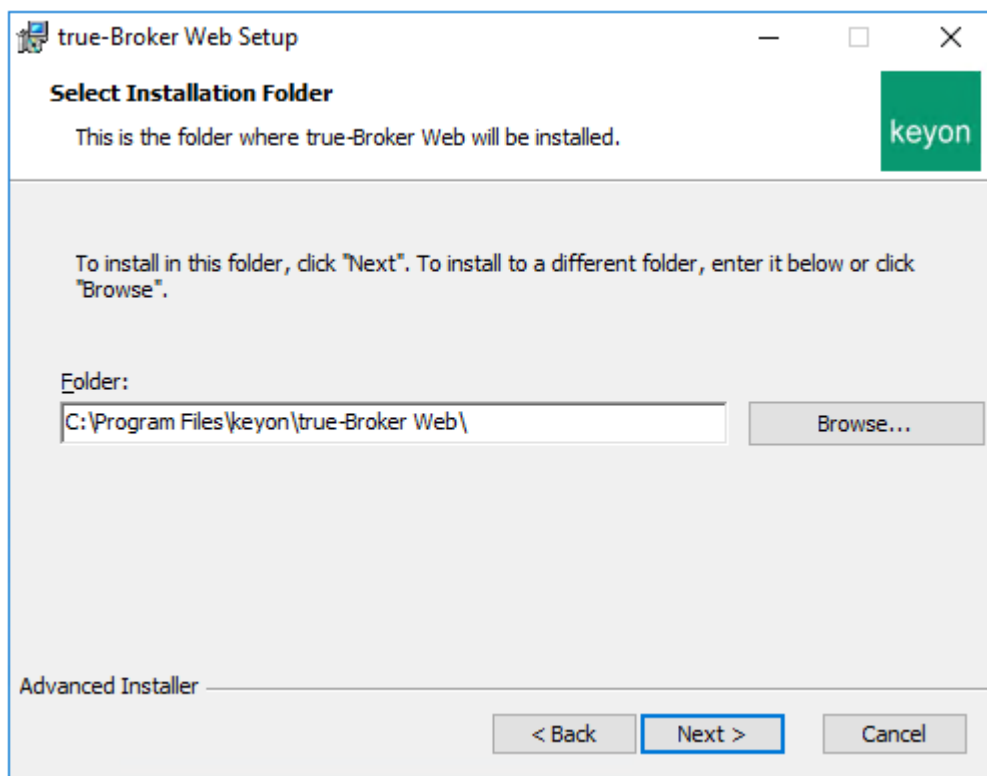
Press **Next** to start the patch install process.



Please accept the EULA to use true-Broker. Press **Next** to continue.

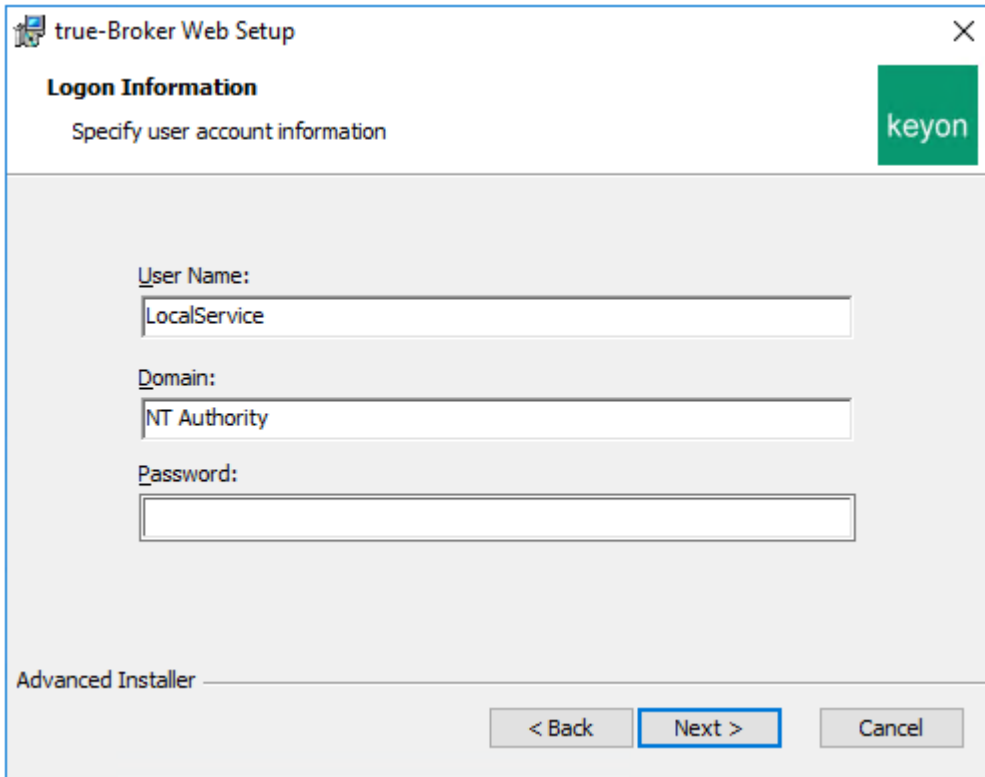


Please select **Typical** to install true-Broker with default parameters. Press **Next** to continue.



In case you choose **Custom**

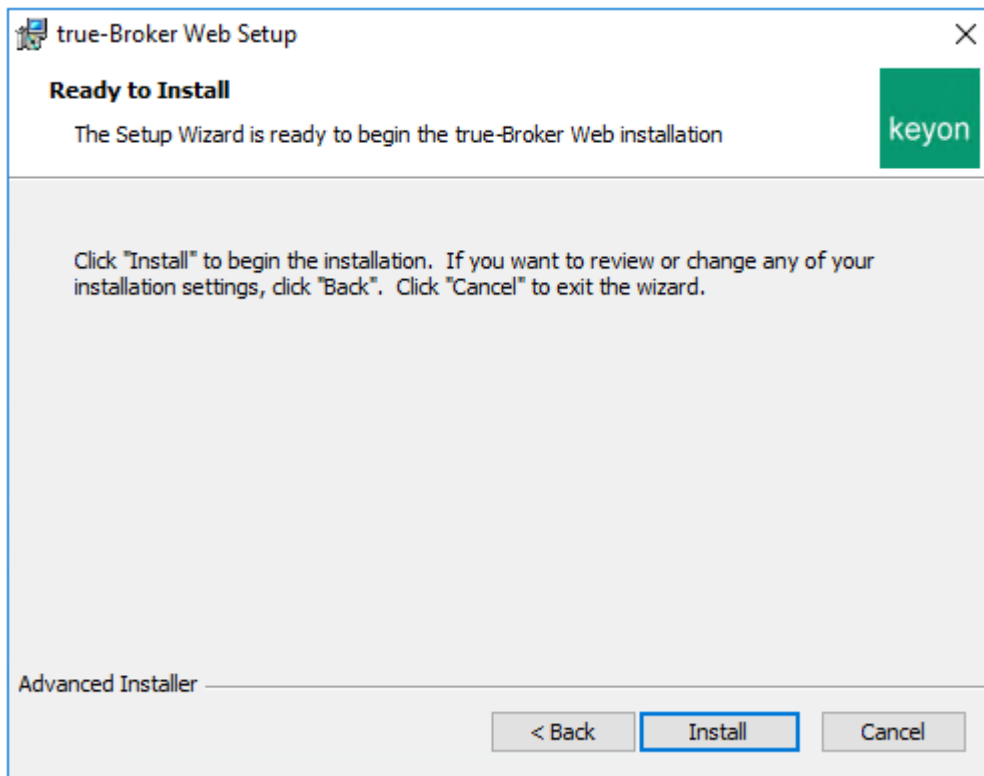
Please select the folder where to install true-Broker Web. Press **Next** to continue.



The image shows a Windows-style dialog box titled "true-Broker Web Setup". It has a standard window frame with a close button (X) in the top right corner. The main content area is titled "Logon Information" and includes the instruction "Specify user account information". In the top right corner of the dialog, there is a green square button with the word "keyon" in white. Below the title, there are three text input fields: "User Name:" with the text "LocalService" entered, "Domain:" with the text "NT Authority" entered, and "Password:" which is currently empty. At the bottom of the dialog, there is a section labeled "Advanced Installer" and three buttons: "< Back", "Next >" (which is highlighted with a blue border), and "Cancel".

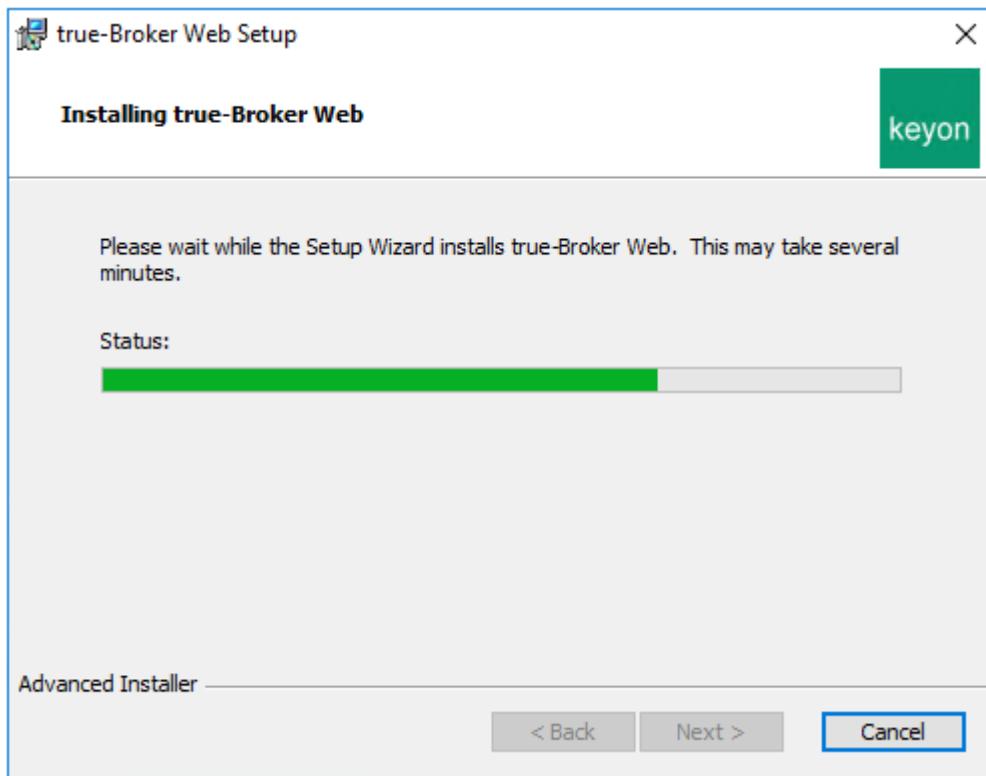
In case you choose **Custom**

Please enter the User under which true-Broker should be executed. Or leave the default LocalService user. Press **Next** to continue.

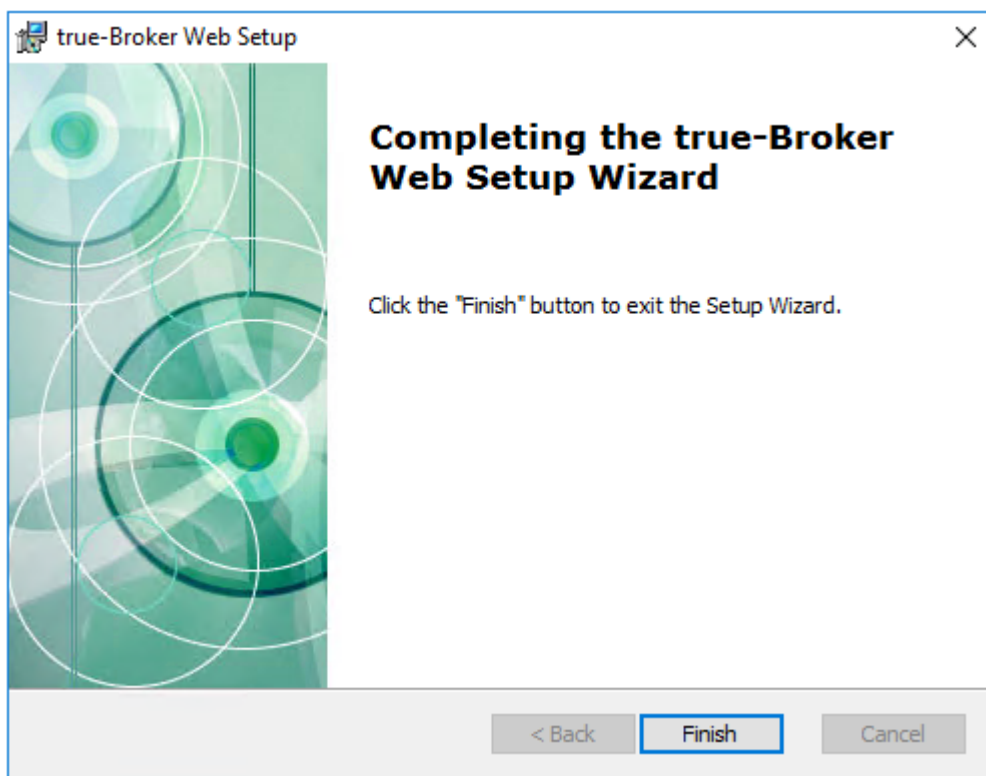


Click ***Install*** to start the installation.

The database holding the true-Broker Web configuration will not be changed during the patch installation process.



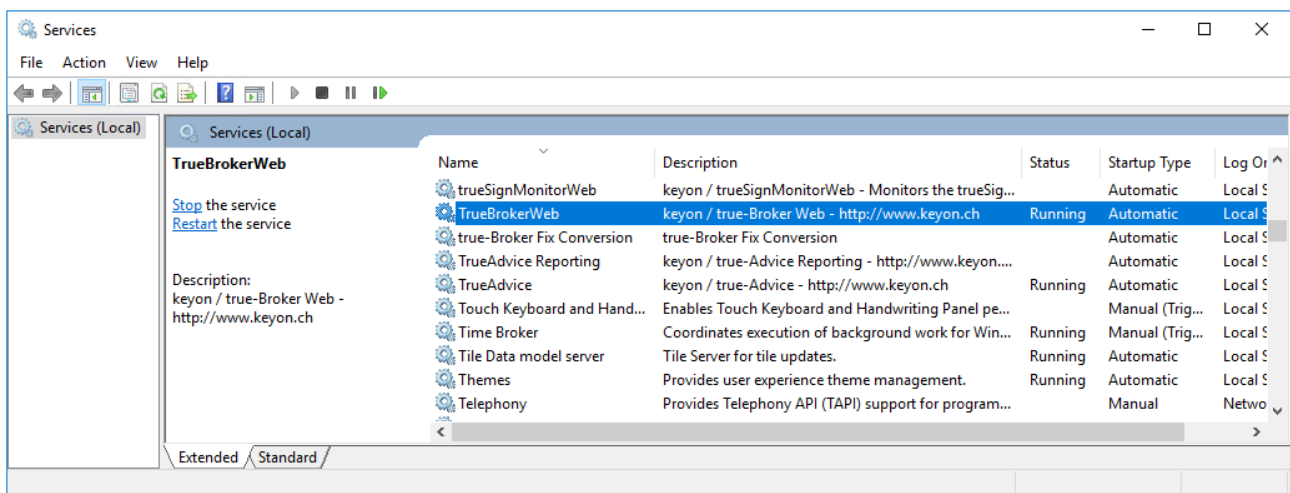
During the patch installation process the Apache Tomcat Windows service is stopped and the new files are copied to the installation directory.



Press **Finish** to terminate the patch installation process. At the end of the patch installation process the Apache Tomcat Windows service is restarted.

40. True-Broker Web Windows service

The installation process tries to install true-Broker Web as a Windows service. The Windows service is named TrueBrokerWeb. If true-Broker Web has been installed as a Windows service, you can use the Microsoft Services Console to administrate the service.



To install true-Broker Web as a Windows service Administrator rights are needed.

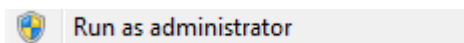
40.1. Configure true-Broker Web Windows service

Before changing the true-Broker Web Windows service configuration stop the service using the Microsoft Services Console.

To change the true-Broker Web Windows service configuration open the file:

C:\Program Files\keyon>true-Broker Web>trueBrokerWeb.ini

On an operating system with UAC enabled run the editor as administrator.



```
[Application\]
Application Type=service

Override WorkingDir=yes

[Product Information\]

Upgrade Code={742F478B-345E-4FD7-98D5-91BEBB77E61B}
```



Product Code={74B7B5B0-15C0-4C0F-B8EE-90FAAF5237D8}

Product Name=true-Broker Web

\[Class Path\]

Class Path=C:\\Program Files\\keyon\\true-Broker Web\\server\\bin*.jar;C:\\Program Files\\keyon\\true-Broker Web\\server\\lib*.jar;

\[Java Runtime Environment\]

JRE Path=C:\\Program Files\\keyon\\true-Broker Web\\jre64\\

Main

Class=ch.keyon.advancedinstaller.service.tomcat.AdvancedInstallerWin32ServiceTomcat

JVM Source=favor_JDK

Virtual Machine Parameters=-Xms128M -Xmx1024M -Dderby.system.home="C:\\Program Files\\keyon\\true-Broker Web\\db" -Djava.util.logging.config.file="C:\\Program Files\\keyon\\true-Broker Web\\server\\conf\\logging.properties"
-Djava.util.logging.manager=org.apache.juli.ClassLoaderLogManager
-Djava.endorsed.dirs="C:\\Program Files\\keyon\\true-Broker Web\\server\\endorsed"
-Dcatalina.base="C:\\Program Files\\keyon\\true-Broker Web\\server"
-Dcatalina.home="C:\\Program Files\\keyon\\true-Broker Web\\server"
-Djava.io.tmpdir="C:\\Program Files\\keyon\\true-Broker Web\\server\\temp"
-Dsun.security.ssl.allowUnsafeRenegotiation=true
-Dch.keyon.truebroker.admin.softtoken=false -Dch.keyon.truebroker.admin.test=false
-Dch.keyon.truebroker.receiver.threadPoolSize=1
-Dcom.sun.xml.ws.fault.SOAPFaultBuilder.disableCaptureStackTrace=false
-Dlogfile.lifetime.days=30 -Dch.keyon.truebroker.data.home="C:\\ProgramData\\keyon\\true-Broker Web\\" -XX:PermSize=128m -XX:MaxPermSize=256m

JVM Type=favor_server

Library Path=C:\\Program Files\\keyon\\true-Broker Web\\server\\bin\\;

Maximum Version=1.6

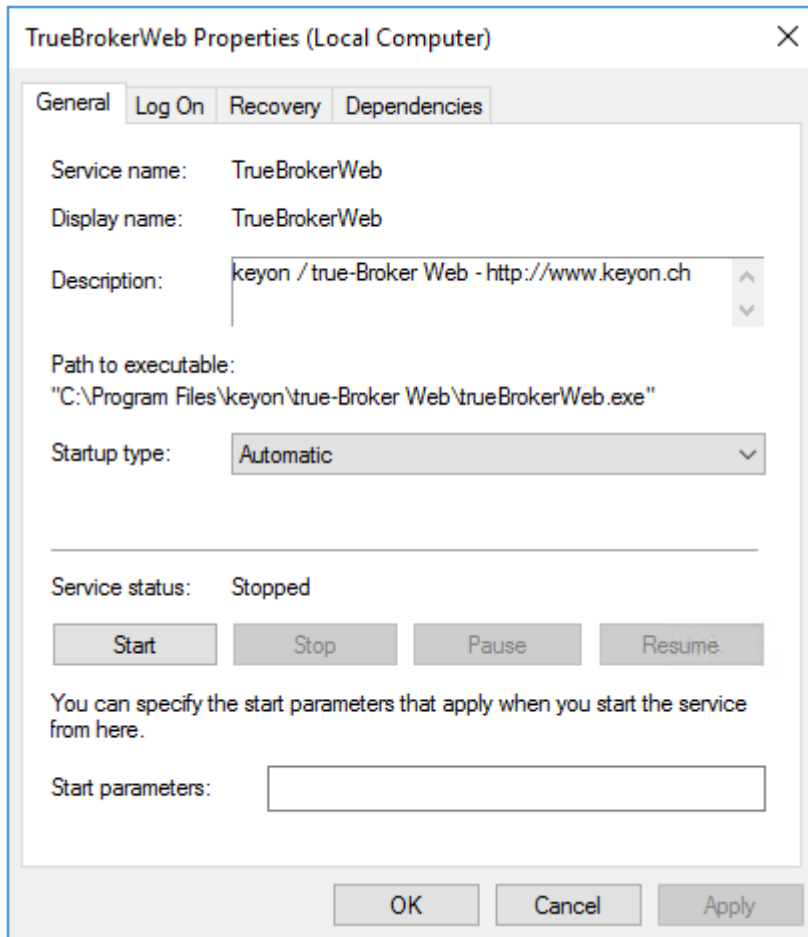
Minimum Version=1.6

Do not change these settings unless you are advised by SITS support to do so.

Use the Microsoft Services Console to start the true-Broker Web Windows service.

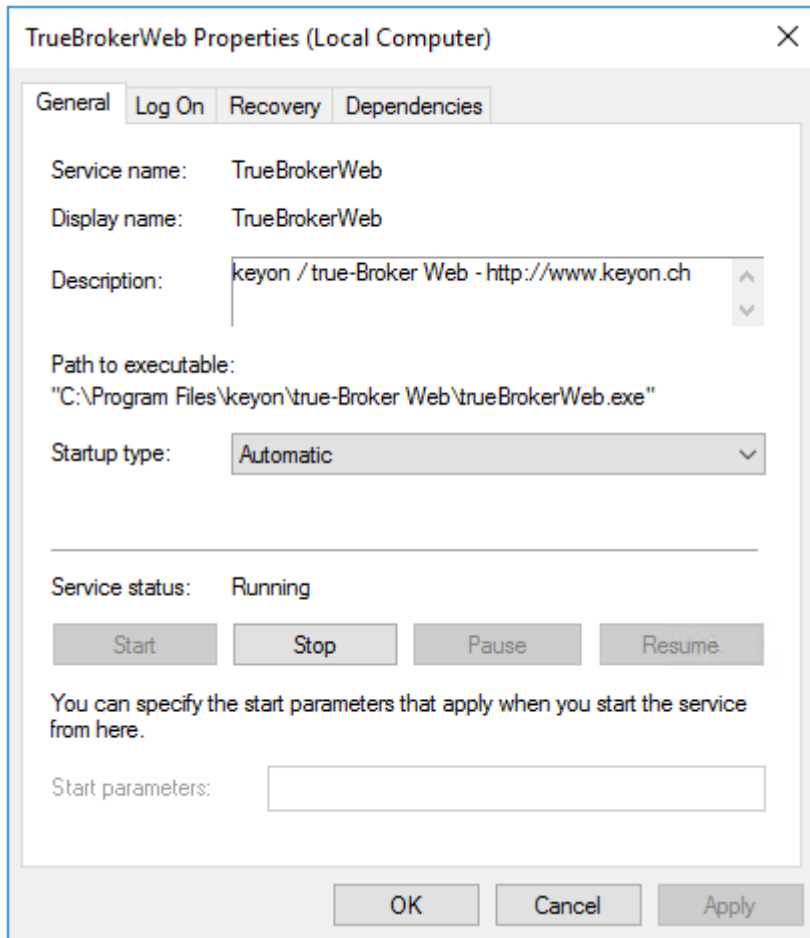
40.2. Starting true-Broker Web Windows service

Start the true-Broker Web Windows service using the Microsoft Services Console.



40.3. Stopping true-Broker Web Windows service

Stop the true-Broker Web Windows service using the Microsoft Services Console.



40.4. Daily restart of Apache Tomcat Windows service

The Apache Tomcat Windows service is daily restarted at 00:00. The Windows service is stopped at 00:00 and started at 00:15 AM.

Name	Status	Triggers	Next Run Time	Last Run
GoogleUpdateTaskMachineUA	Ready	At 03:56 every day - After triggered, repeat every 1 hour for a duration of 1 day.	02.09.2020 17:56:17	02.09.2020 17:56:17
Start TrueBrokerWeb	Ready	At 00:15 every day	03.09.2020 00:15:00	30.11.19 00:15:00
Stop TrueBrokerWeb	Ready	At 00:00 every day	03.09.2020 00:00:00	30.11.19 00:00:00
User_Feed_Synchronization-...	Ready	At 22:58 every day - Trigger expires at 02.09.2030 22:58:54.	02.09.2020 22:58:54	02.09.2020 22:58:54

You can change the restart settings in the Scheduled Task option of the Windows Control Panel.

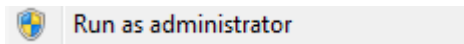
41. True-Broker Web Windows console

41.1. Starting true-Broker Web as console

If you want to run true-Broker Web as a console application, run the following executable file:

C:\Program Files\keyon>true-Broker Web>trueBrokerWebConsole.exe

On an operating system with UAC enabled run the executable as Administrator.



True-Broker Web is starting as console application.

```

C:\Program Files\keyon>true-Broker Web>trueBrokerWebConsole.exe
INFO: WSServlet14: JAX-WS servlet initializing
Sep 02, 2020 5:44:54 PM com.sun.xml.ws.transport.http.servlet.WSServletContextListener contextInitialized
INFO: WSServlet12: JAX-WS context listener initializing
Sep 02, 2020 5:44:54 PM com.sun.xml.ws.transport.http.servlet.WSServletContextListener contextInitialized
INFO: WSServlet12: JAX-WS context listener initializing
log4j:WARN No appenders could be found for logger (ch.keyon.common.Versions).
log4j:WARN Please initialize the log4j system properly.
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.
Sep 02, 2020 5:44:58 PM org.apache.catalina.startup.HostConfig deployWAR
INFO: Deployment of web application archive [C:\Program Files\keyon>true-Broker Web\server\webapps\TrueBrokerWeb-6d1389f4-2c59-442d-9a54-649a2c7f3b18.war] has finished in [12,328] ms
Sep 02, 2020 5:44:58 PM org.apache.catalina.startup.HostConfig deployWAR
INFO: Deploying web application archive [C:\Program Files\keyon>true-Broker Web\server\webapps\TrueBrokerWebAdmin.war]
Sep 02, 2020 5:45:04 PM org.apache.jasper.servlet.TldScanner scanJars
INFO: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging for this logger for a complete list of JARs that were scanned but no TLDs were found in them. Skipping unnneeded JARs during scanning can improve startup time and JSP compilation time.
log4j:WARN No appenders could be found for logger (org.springframework.web.context.ContextLoader).
log4j:WARN Please initialize the log4j system properly.
log4j:WARN See http://logging.apache.org/log4j/1.2/faq.html#noconfig for more info.
Sep 02, 2020 5:45:10 PM org.apache.catalina.startup.HostConfig deployWAR
INFO: Deployment of web application archive [C:\Program Files\keyon>true-Broker Web\server\webapps\TrueBrokerWebAdmin.war] has finished i
n [11,571] ms
Sep 02, 2020 5:45:10 PM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["http-nio-8645"]
Sep 02, 2020 5:45:10 PM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["https-openssl-nio-8646"]
Sep 02, 2020 5:45:10 PM org.apache.coyote.AbstractProtocol start
INFO: Starting ProtocolHandler ["ajp-nio-8009"]
Sep 02, 2020 5:45:10 PM org.apache.catalina.startup.Catalina start
INFO: Server startup in [40,807] milliseconds
  
```

41.2. Stopping true-Broker Web console

If true-Broker Web is running as a console application, press Control-C in the console window to stop the application.

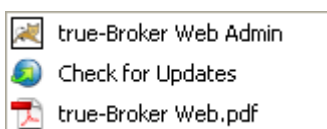
42. true-Broker Web Administration

true-Broker Web Administration is a web application running on an Apache Tomcat server. true-Broker Web is multi-client capable. Use the true-Broker Web Administration application to add or delete true-Broker Web client instances. If you add a new true-Broker Web client instance a new web application is deployed to the Apache Tomcat server.

The URL to access true-Broker Web Administration is:

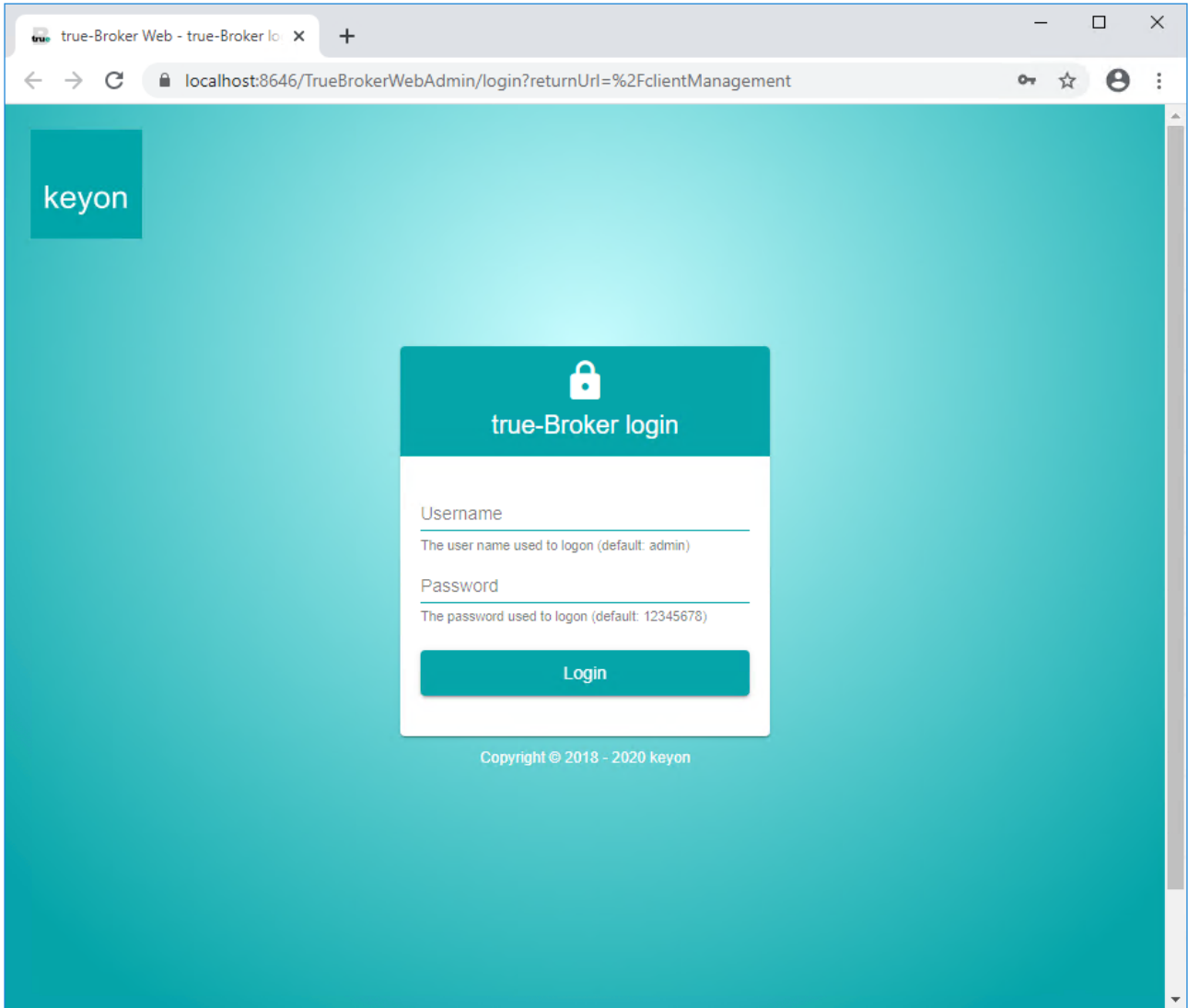
<https://localhost:8646/TrueBrokerWebAdmin>

Use the link above or select the true-Broker Web Admin menu item in the keyon → true-Broker Web menu to open the URL above in your default browser.



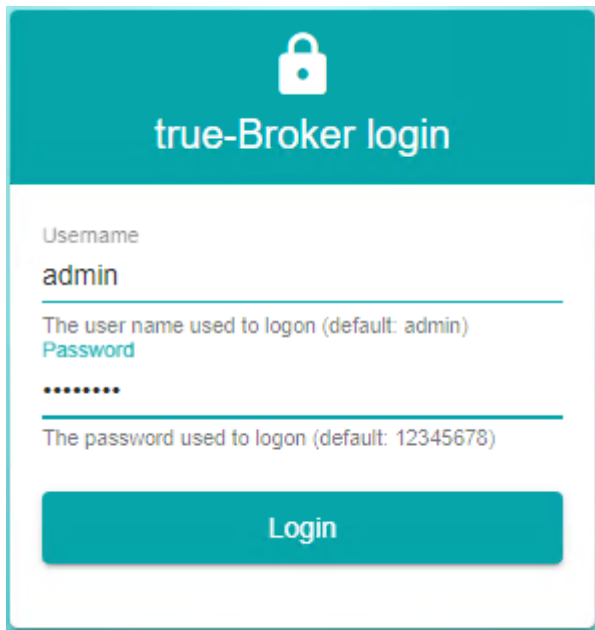
42.1. Logon page

To get access to the true-Broker Web Administration Web application you have to login with a username and password.



The screenshot shows a web browser window with the address bar displaying `localhost:8646/TrueBrokerWebAdmin/login?returnUrl=%2FclientManagement`. The page has a teal background. In the top left corner, there is a teal square with the word "keyon" in white. In the center, there is a white login form with a teal header containing a lock icon and the text "true-Broker login". The form contains two input fields: "Username" with a hint "The user name used to logon (default: admin)" and "Password" with a hint "The password used to logon (default: 12345678)". Below the fields is a teal "Login" button. At the bottom of the form, it says "Copyright © 2018 - 2020 keyon".

The default username is **admin**. The default password is **12345678**.



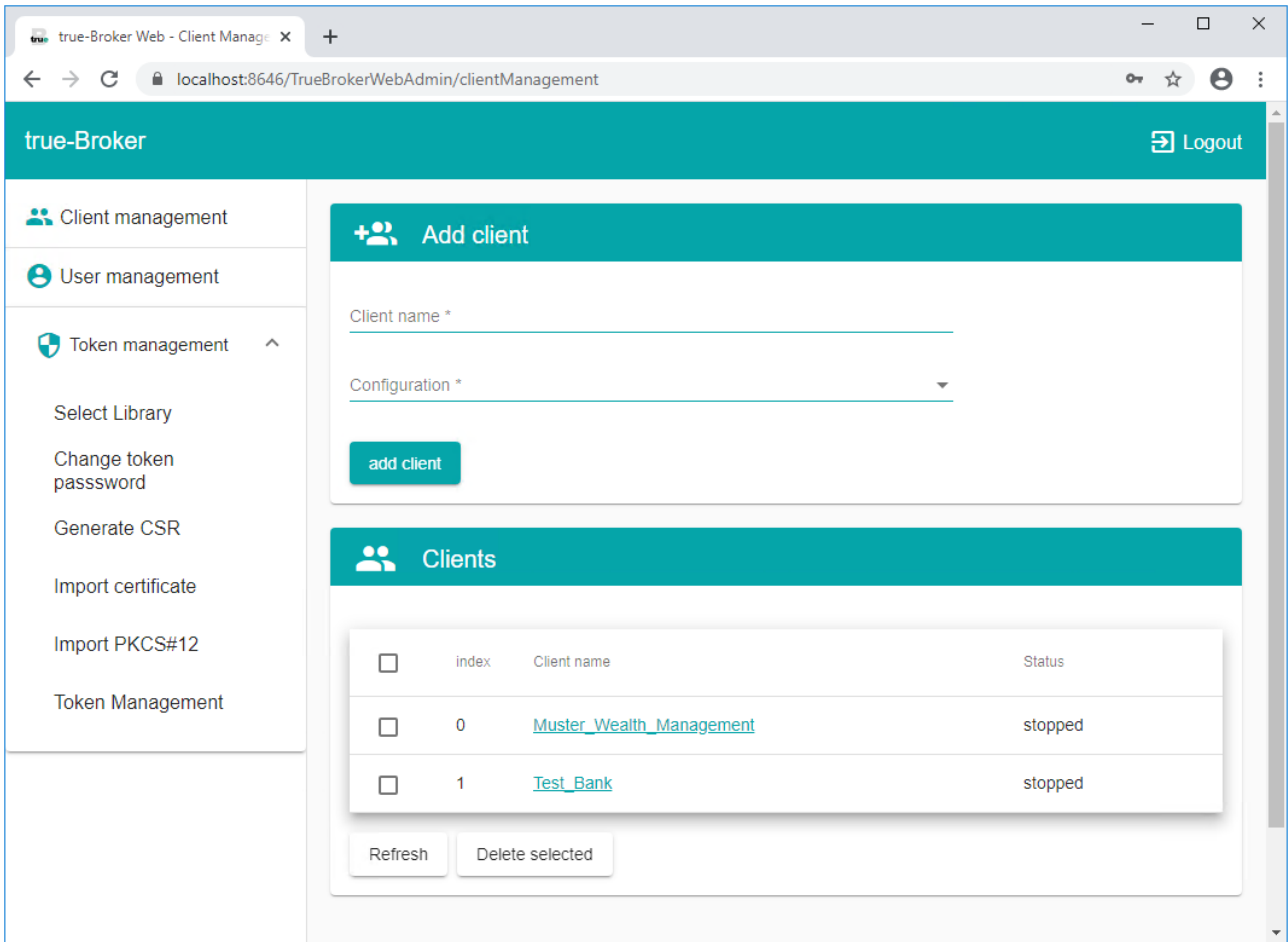
The image shows a login form for 'true-Broker'. It has a teal header with a lock icon and the text 'true-Broker login'. Below the header, there are two input fields. The first is labeled 'Username' and contains the text 'admin'. Below it is a small note: 'The user name used to logon (default: admin)'. The second field is labeled 'Password' and contains a series of dots. Below it is a small note: 'The password used to logon (default: 12345678)'. At the bottom of the form is a teal button labeled 'Login'.

Press the **Logon** button to logon to the application.

You can change the administrator password using the [Change password link](#).

42.2. Main page

The main page is used to configure the true-Broker Web clients. true-Broker Web is multi-client capable. For each client a new true-Broker Web application is deployed on the Apache Tomcat server.



☐	index	Client name	Status
☐	0	Muster_Wealth_Management	stopped
☐	1	Test_Bank	stopped

Buttons: Refresh, Delete selected

To add a new client, enter the client name, select the configuration and press the **Add client** button.

Do not use any white spaces or special characters in the name of the client.


Add client

Client name *
New_Client

Configuration *

- Private Standard Network UBS CH
- Private Standard Network UBS EMEA - LUX
- Private Standard Network UBS EMEA - UK
- Private Standard Network UBS EMEA - JE
- Private Standard Network UBS APAC - HK
- Private Standard Network UBS APAC - SG

Adding a new client adds a new web application with the selected configuration to the Apache Tomcat server. Please choose the configuration depending on in which legal entity of UBS your accounts are booked.

During the deployment phase the client web application cannot be selected. Select the **Refresh** button to refresh the page.


Clients

☐	index	Client name	Status
☐	0	Muster_Wealth_Management	stopped
☐	1	New_Bank	Deploying
☐	2	Test_Bank	stopped

Refresh
Delete selected

As soon as the client application is completely deployed to the Apache Tomcat server you can select the client application or use the link to get to the client true-Broker Web application.

After the deployment of a new client, a restart of the TrueBrokerWeb-service is required

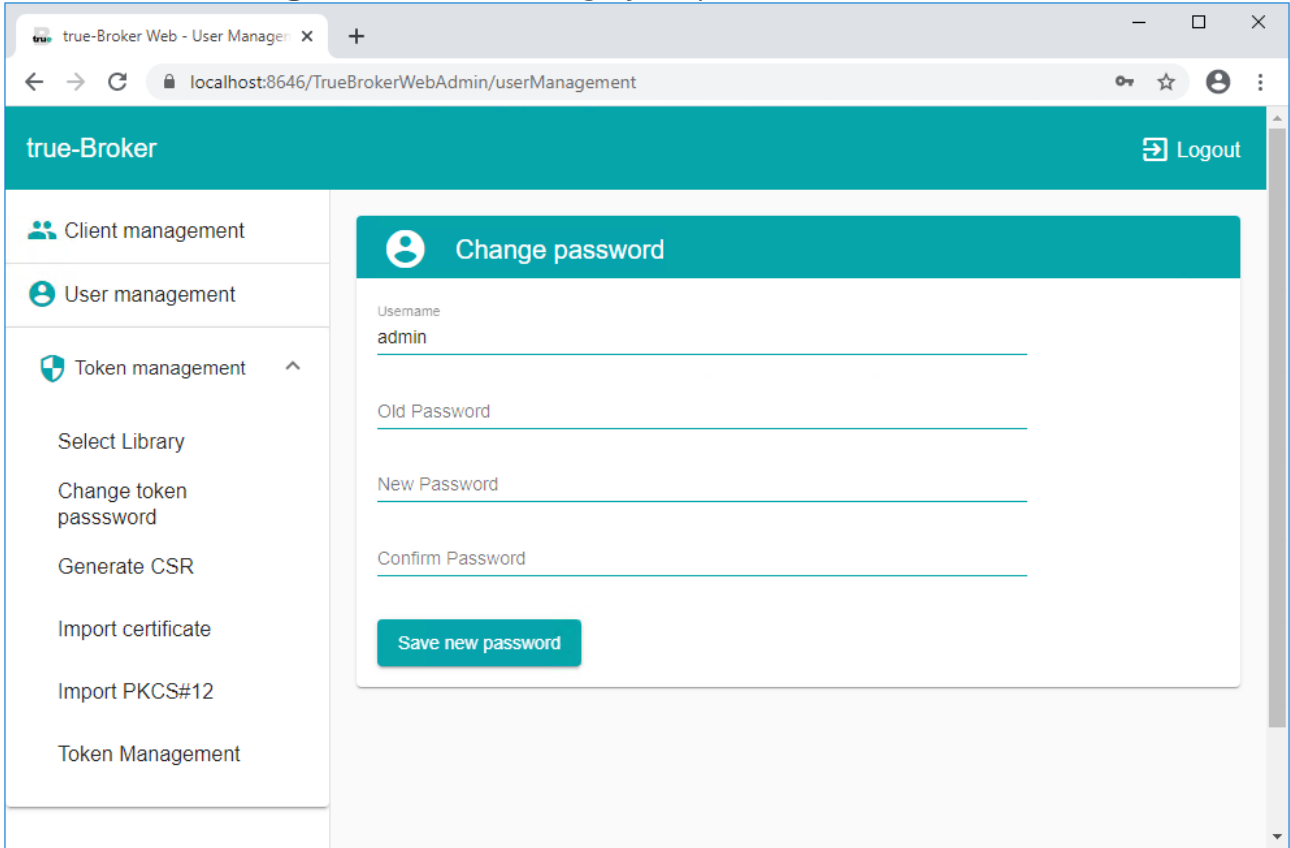
Clients			
☐	index	Client name	Status
☐	0	Muster_Wealth_Management	stopped
☐	1	New_Bank	stopped
☐	2	Test_Bank	stopped

To delete a client web application, select the web application and press the **Delete selected** button.

Be aware that the configuration of the client web application will be deleted. Messages stored in the internal database are also deleted. Messages downloaded to the configured inbox are not deleted.

42.3. Change password page

Use the **User management** link to change your password.



The screenshot shows a web browser window with the URL `localhost:8646/TrueBrokerWebAdmin/userManagement`. The page title is "true-Broker" and there is a "Logout" link in the top right corner. On the left side, there is a sidebar menu with the following items: "Client management", "User management", "Token management" (with a dropdown arrow), "Select Library", "Change token password", "Generate CSR", "Import certificate", "Import PKCS#12", and "Token Management". The "User management" section is active, and the "Change password" form is displayed. The form has a teal header with a user icon and the text "Change password". It contains four input fields: "Username" (with the value "admin"), "Old Password", "New Password", and "Confirm Password". Below the input fields is a teal button labeled "Save new password".

Enter the old password, the new password and confirm it.

 **Change password**

Username

admin

Old Password

New Password

Confirm Password

Save new password

Press the **Save new password** button to change the password.

 **Change password**

Username

admin

Old Password

••••••••

New Password

•

Confirm Password

•

Save new password

Password must be 8 or more characters in length.

Password must contain 1 or more uppercase characters.

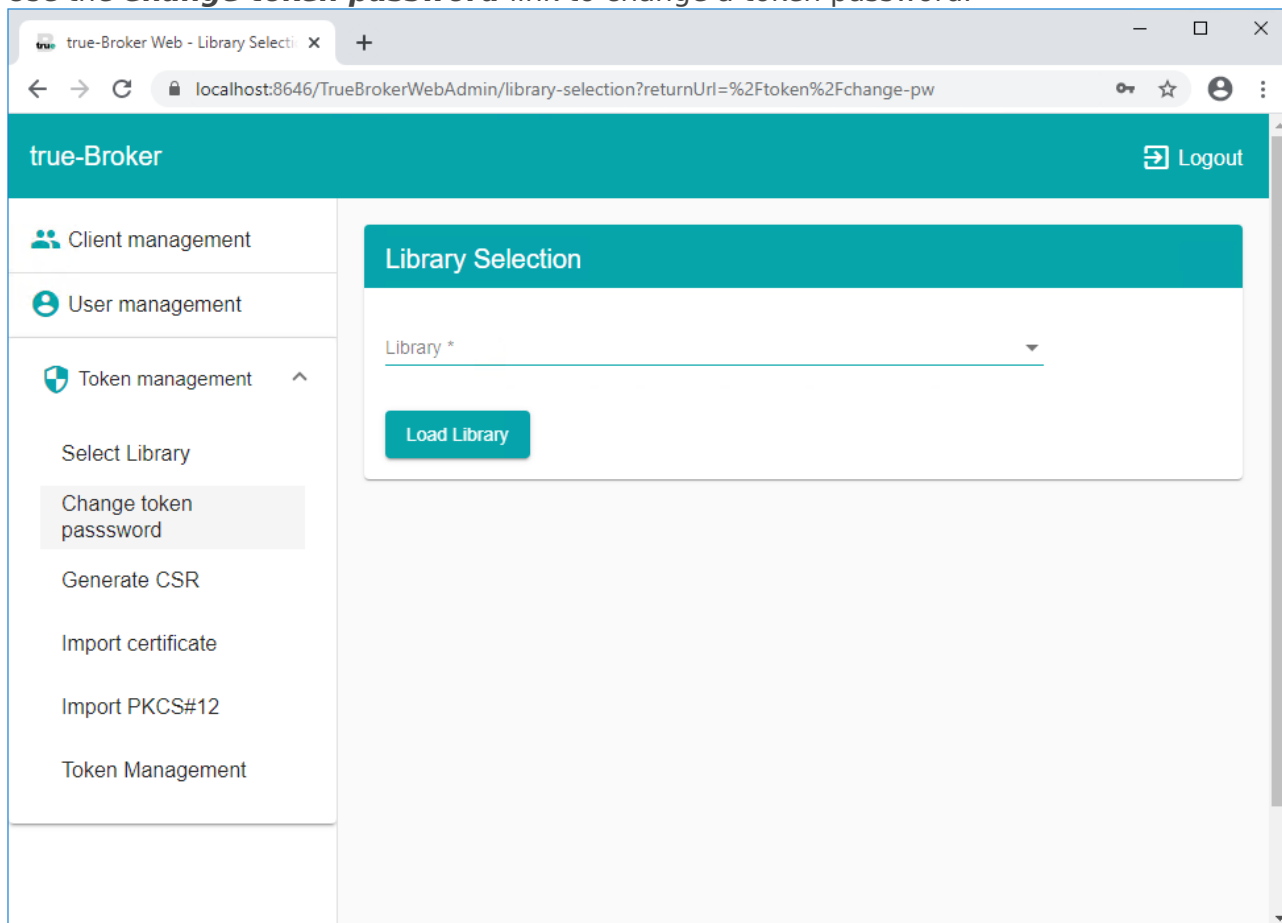
Password must contain 1 or more lowercase characters.

Password must contain 1 or more special characters.

The new password must follow the password policy, and it cannot be a password which was previously used.

42.4. Change token password page

Use the **Change token password** link to change a token password.



The screenshot shows a web browser window with the URL `localhost:8646/TrueBrokerWebAdmin/library-selection?returnUrl=%2Ftoken%2Fchange-pw`. The page title is "true-Broker" and there is a "Logout" link in the top right corner. On the left side, there is a sidebar menu with the following items: "Client management", "User management", "Token management" (which is expanded), "Select Library", "Change token password" (which is highlighted), "Generate CSR", "Import certificate", "Import PKCS#12", and "Token Management". The main content area is titled "Library Selection" and contains a "Library *" drop-down list and a "Load Library" button.

Select the library from the drop-down list and press the **Load library** button.

Library Selection

Library *

Aladdin Hardware-Token

Load Library

Token Selection

Library: Aladdin Hardware-Token

Token *

0287c966

password

.....

Login

Select the token serial number from the drop-down list, enter the password and press the **Login** button.

Change token password

Token

TokenID

Old Password *

New Password *

Confirm Password

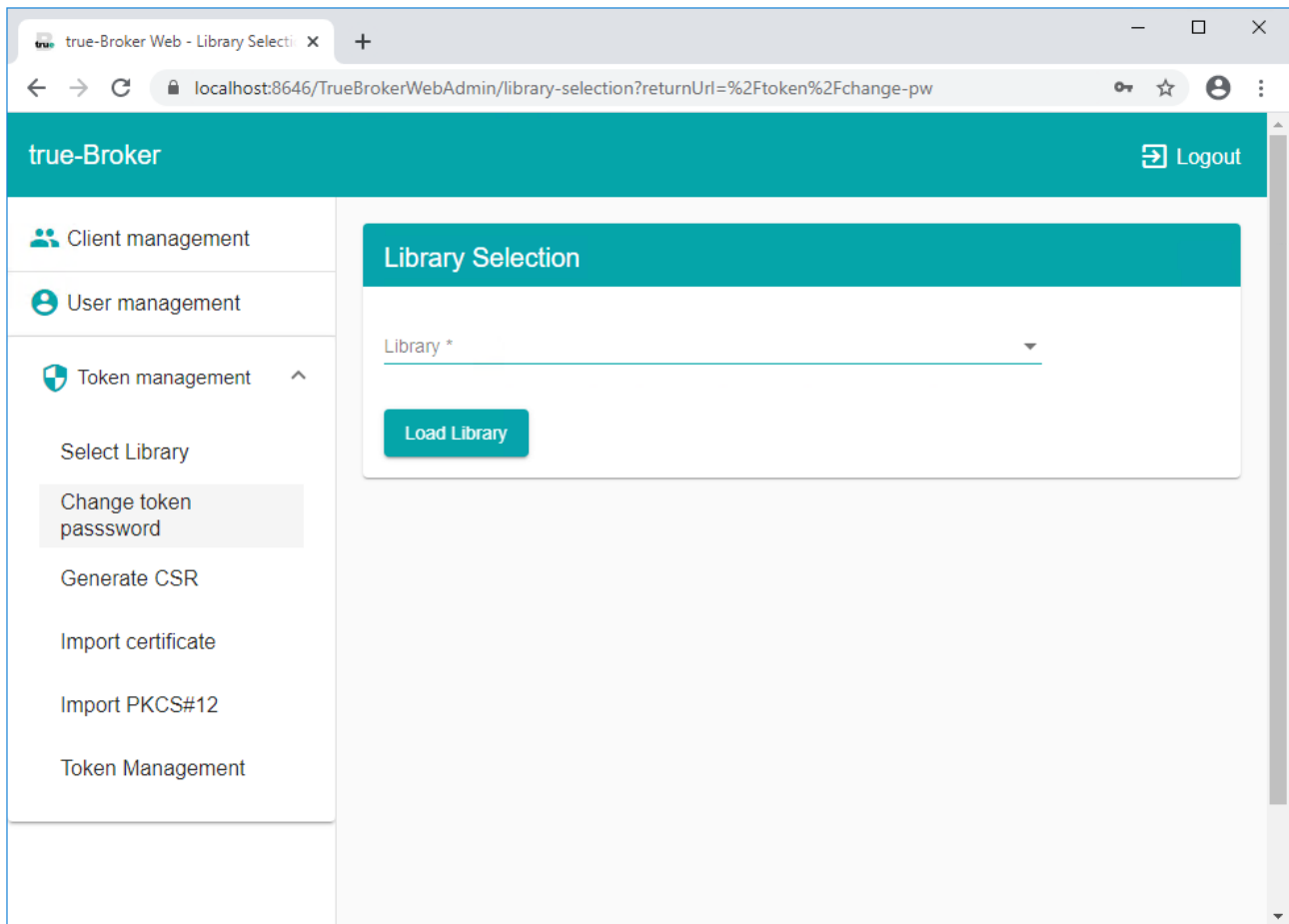
Change password

Enter the new password. Make sure the password length meets the password policy of the token. Some token password policies require a minimal password length or the occurrence of special characters.

Press the **Change password** button to change the token password.

42.5. Generate CSR page

Use the **Generate CSR** link to generate a new key pair on the token and a certificate signing request.



Select the library from the drop-down list and press the **Load library** button.

Library Selection

Library *

Aladdin Hardware-Token

Load Library

Token Selection

Library: Aladdin Hardware-Token

Token *

0287c966

password

.....

Login

Select the token serial number from the drop-down list, enter the password and press the **Login** button.

Generate CSR

Country code (C)

State / province (S)

Town / city (L)

Organization (O)

Organizational unit (OU)

Common name (CN) *

eMail address (EMail)

Key size

2048

Signature Algorithm

SHA-2

Create CSR

Make sure to enter all the information required by the certificate authority (CA) that will issue the certificate. Press the **Generate CSR** button to generate the key pair and the certificate signing request (CSR).

Certificate Signing Request

trueBroker_Muster_2020_09_03_08_04_54

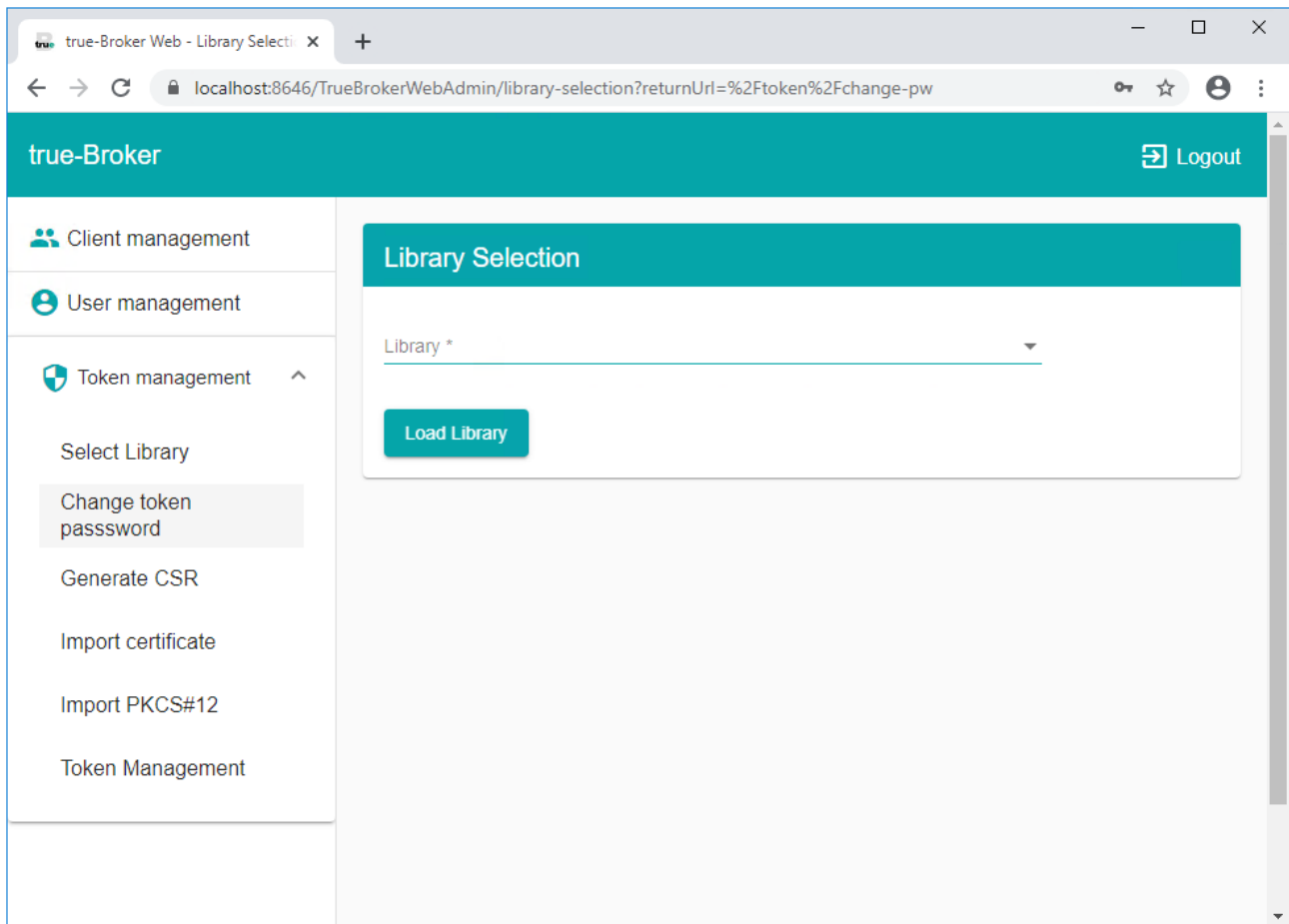
```
-----BEGIN NEW CERTIFICATE REQUEST-----
MIICXzCCAUCcCAQAwHDEaMBGGA1UEAwwRdHJ1ZUJyb2tld9
NdXN0ZXIwggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKA
oIBAQCmhuUq/xJIQ2hpzZFyYqYmkjaTn7JL74Ken//XWWjD9eIVb
8oBllkf9sMytFWxOyOT87gGGqHYqhM3t4LWcwwtpBN4YtcSz9H
t+BSA4e4s6kPxSZdwoV4R2tu0HMM/zfxvPQBTX/kOPTMboaAfb
xm1eyaOjGugtZQm21Z6bxbflkLGDjn9bmindEBjOzq35IOWIXM9
RADII5XW27CEkPDMPEDHqERXm+mbctKAYCzYku3WKfZeuZ
E0rctrQGIM2vgxaMYvcO9rVacBZaroRKh4Bk46I7sU5nLpIR5iJglx
1d1HEJ2K2Yp6p9wbV+TLKtf3BbNbg1WrPnj+f79J2fpdBAgMBAA
EwDQYJKoZIhvcNAQELBQADggEBAFrFNd74hUJZLYXAPAwuJ
YNlrDNuuOmW7IBanCykY03cMIYjIOFJ6E+y42pn0p+Bu5M5upx/
```

save

Copy the CSR to the clipboard or use the Save button to save the CSR to a file.

42.6. Import certificate page

Use the **Import certificate** link to import a certificate into a token containing the matching private key.



Select the library from the drop-down list and press the **Load library** button.

Library Selection

Library *

Aladdin Hardware-Token

Load Library

Token Selection

Library: Aladdin Hardware-Token

Token *

0287c966

password

.....

Login

Select the token serial number form the drop-down list, enter the password and press the **Login** button.

Import certificate



Choose a file or drag it here

Browse for file

Use the **Browse for file** button or drag the file into the area to load the certificate received by the certificate authority (CA) into the token. Make sure you selected the token where you generated the key pair and the CSR.

Import certificate



File upload completed

If no matching private key can be found on the token the certificate will not be imported.

Import certificate



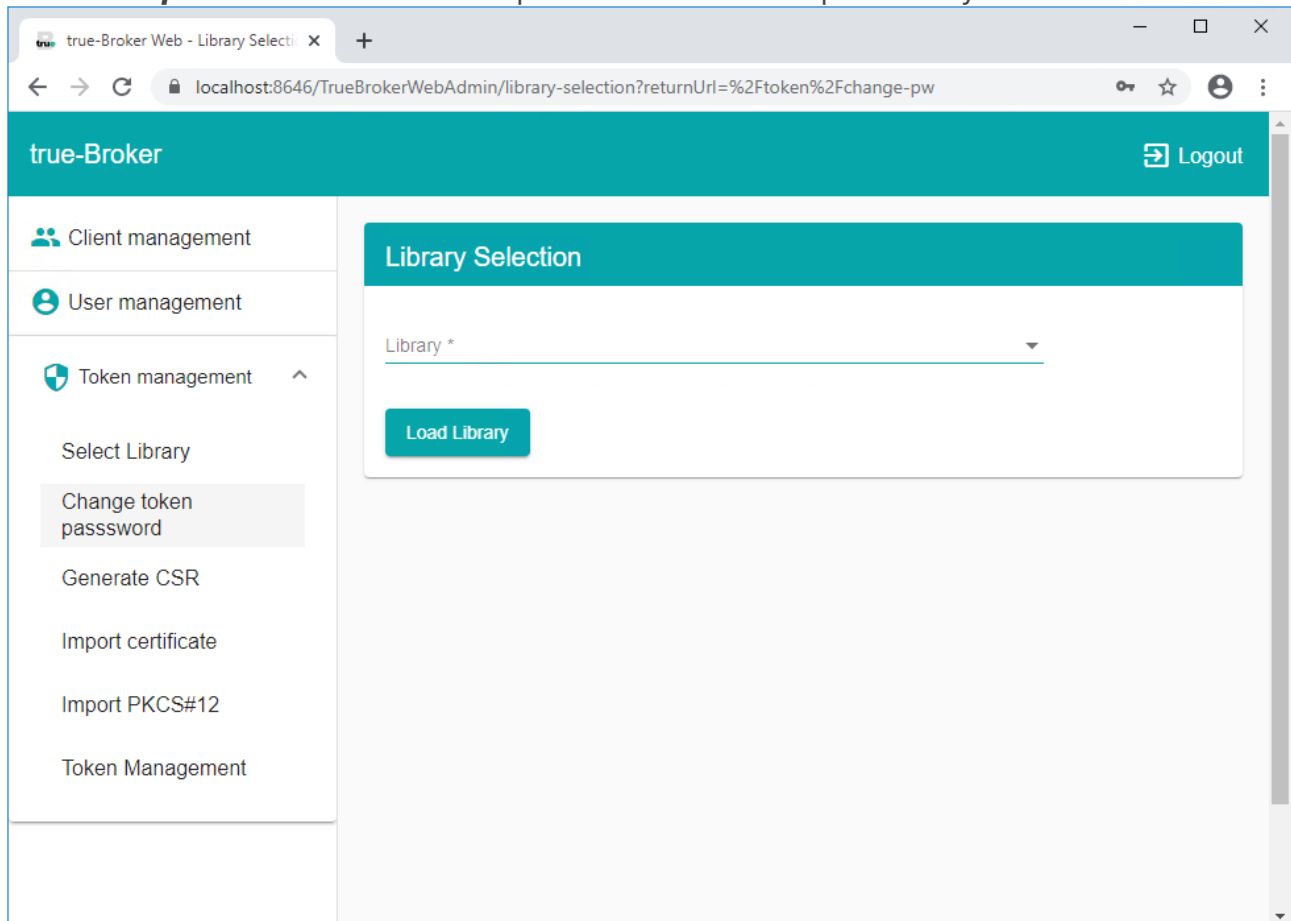
Choose a file or drag it here

Browse for file

cert_testCsrForTrueBroker.pem upload failed.

42.7. Import PKCS#12 page

Use the **Import PKCS#12** link to import a certificate and private key into a token.



The screenshot shows a web browser window with the URL `localhost:8646/TrueBrokerWebAdmin/library-selection?returnUrl=%2Ftoken%2Fchange-pw`. The page has a teal header with the "true-Broker" logo and a "Logout" button. A left sidebar contains a menu with "Client management", "User management", and "Token management" (which is expanded). Under "Token management", the options are "Select Library", "Change token password", "Generate CSR", "Import certificate", "Import PKCS#12", and "Token Management". The main content area is titled "Library Selection" and features a "Library *" drop-down menu and a teal "Load Library" button.

Select the library from the drop-down list and press the **Load library** button.

Library Selection

Library *

Aladdin Hardware-Token

Load Library

Token Selection

Library: Aladdin Hardware-Token

Token *

0287c966

password

.....

Login

Select the token serial number from the drop-down list, enter the password and press the **Login** button.

Import PKCS#12

PKCS 12 Password *



Choose a file or drag it here

Browse for file

Enter the password of the PKCS#12 file then use the **Browse for file** button to select the PKCS#12 file from the file system or drag the file into the area.

Import PKCS#12

PKCS 12 Password *

.....

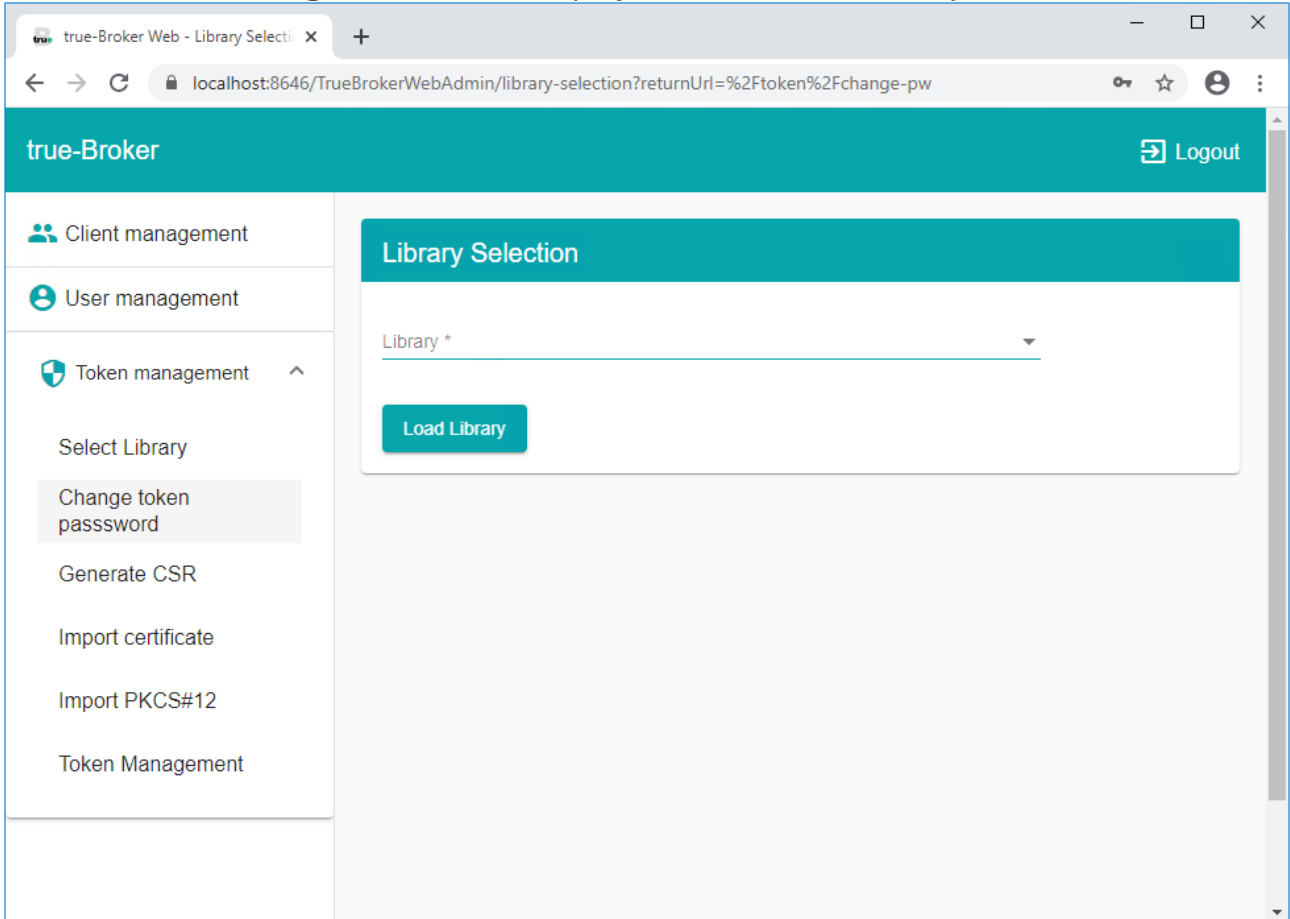


File upload completed

If the file upload completes successfully, the PKCS#12 file has been imported to the token.

42.8. Token management page

Use the **Token management** link to display or delete the token objects on the token.



The screenshot shows a web browser window with the URL `localhost:8646/TrueBrokerWebAdmin/library-selection?returnUrl=%2Ftoken%2Fchange-pw`. The page title is "true-Broker" and there is a "Logout" link in the top right. The left sidebar contains the following menu items:

- Client management
- User management
- Token management (expanded)
 - Select Library
 - Change token password
 - Generate CSR
 - Import certificate
 - Import PKCS#12
 - Token Management

The main content area is titled "Library Selection" and contains a form with a "Library *" dropdown menu and a "Load Library" button.

Select the library from the drop-down list and press the **Load library** button.

Library Selection

Library *

Aladdin Hardware-Token

Load Library

Token Selection

Library: Aladdin Hardware-Token

Token *

0287c966

password

.....

Login

Select the token serial number from the drop-down list, enter the password and press the **Login** button.

Token Objects				
☐	index	Alias	Object Class	in use
☐	1	codeSign Test - (43a589ff3c)	certificate	true
☐	2	codeSign Test - (43a589ff3c)	private key	true
☐	3		private key	false
☐	4	codeSign Test - (43a589ff3c)	certificate	true
☐	5	codeSign Test - (43a589ff3c)	private key	true

Delete selected

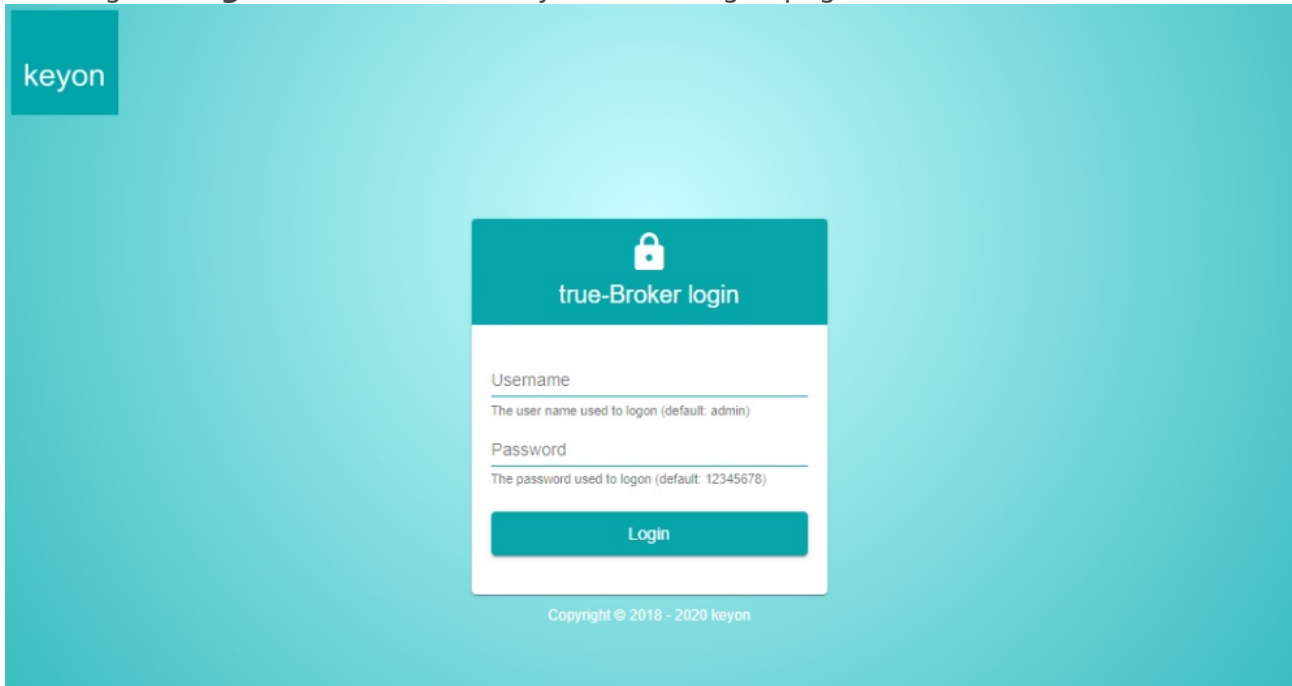
The table shows the objects stored on the token. The objects may be a certificate, private or public key. You may delete unused objects from the token. You cannot delete objects that are used by a client security configuration.

42.9. Logout

To log out from the true-Broker Web Administration application select the **Logout** button in the upper right corner.

true-Broker	 Logout
-------------	--

Pressing the **Logout** button redirects you to the Logon page.

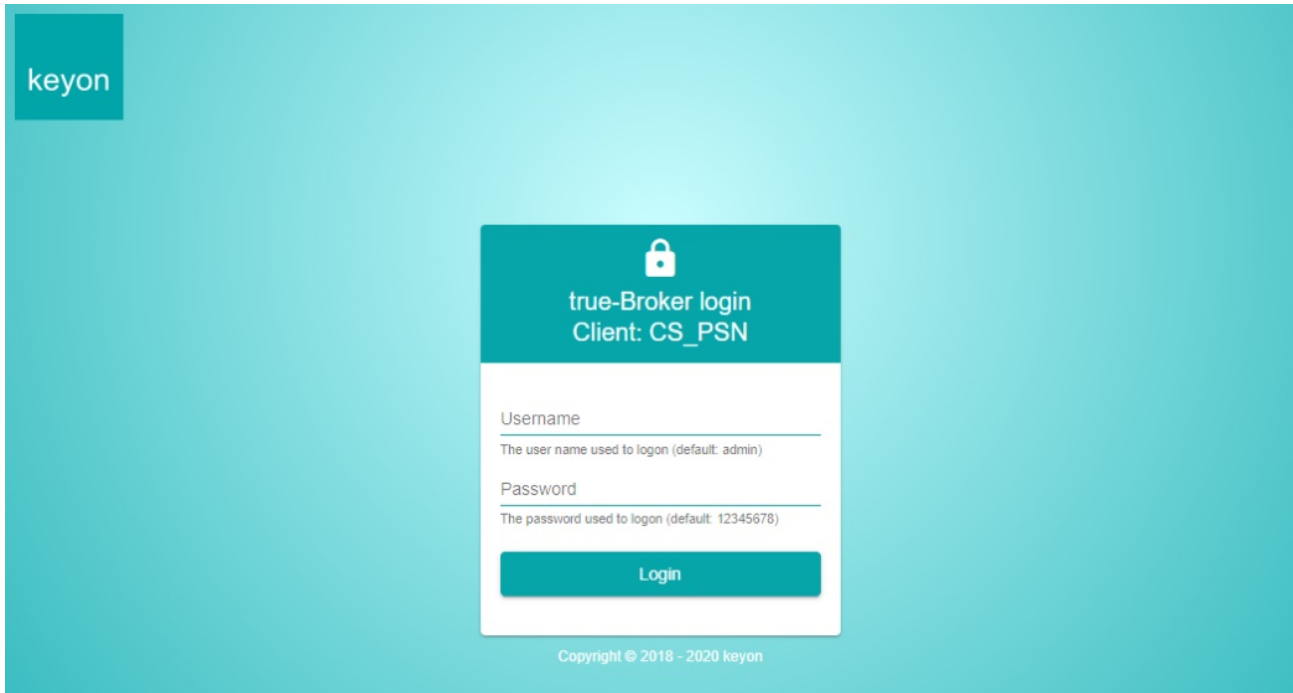


The image shows a web browser window with a teal background. In the top left corner, there is a teal box with the word "keyon" in white. In the center, there is a white login form titled "true-Broker login" with a lock icon. The form contains two input fields: "Username" with a hint "The user name used to logon (default: admin)" and "Password" with a hint "The password used to logon (default: 12345678)". Below the fields is a teal "Login" button. At the bottom of the form, there is a small copyright notice: "Copyright © 2018 - 2020 keyon".

43. true-Broker Web

true-Broker Web is a Web application running on an Apache Tomcat server. true-Broker Web is used to securely download messages from the specified target system. true-Broker Web further supports a SOAP Web service interface for real time message exchange.

The true-Broker Web application must be created using the true-Broker Web Administration application. The URL to access true-Broker Web may be selected using the Logon page of true-Broker Web Administration.



keyon

true-Broker login
Client: CS_PSN

Username
The user name used to logon (default: admin)

Password
The password used to logon (default: 12345678)

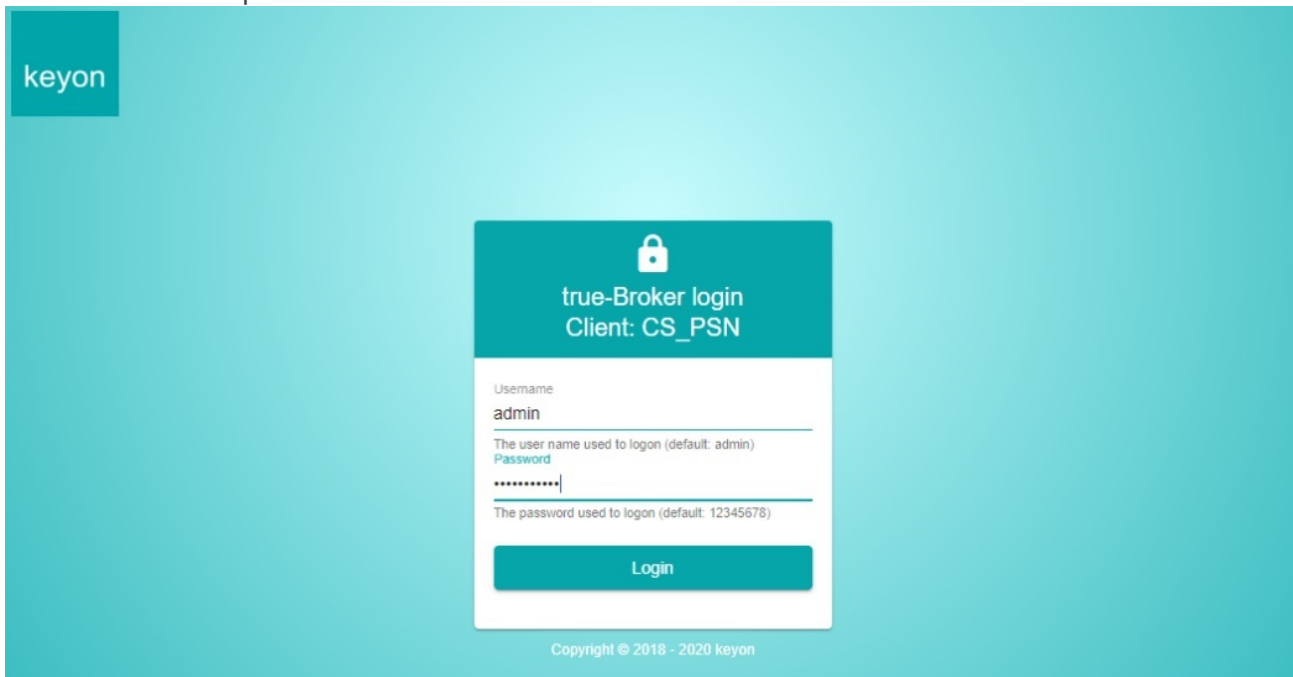
Login

Copyright © 2018 - 2020 keyon

Select the link of your client to get to the Logon page of the corresponding true-Broker Web application.

43.1. Logon page

To get access to the true-Broker Web Administration Web application you have to login with a username and password.



keyon

true-Broker login
Client: CS_PSN

Username
admin
The user name used to logon (default: admin)

Password

The password used to logon (default: 12345678)

Login

Copyright © 2018 - 2020 keyon

The default username is admin. The default password is 12345678.

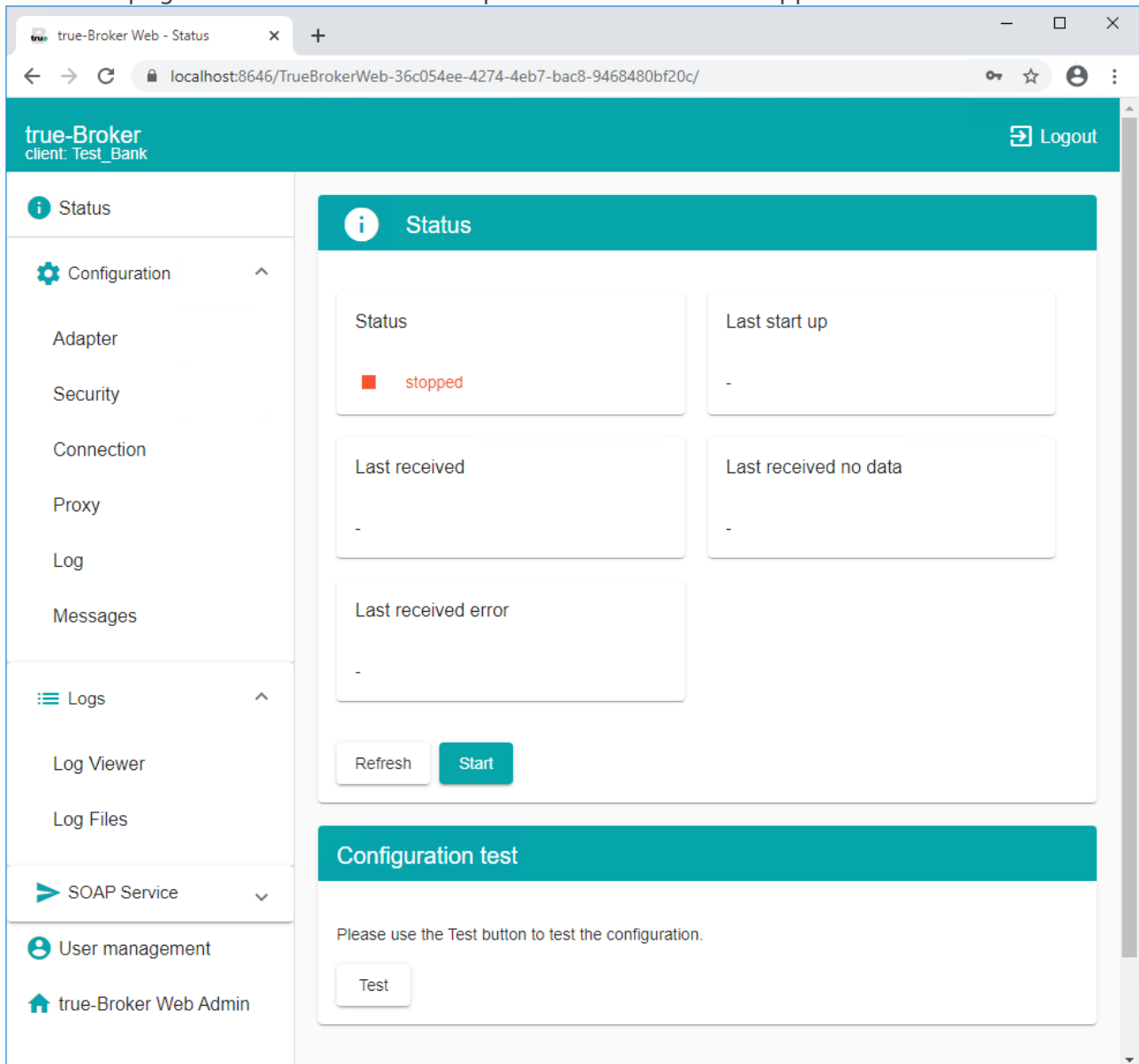
Ein Bild, das Text, Screenshot, Schrift, Zahl enthält. KI-generierte Inhalte können fehlerhaft sein.

Press the **Login** button to logon to the application.

You can change the administrator password using the User management link.

43.2. Main page

The main page is used to start and stop the true-Broker Web application.



Make sure you have a valid configuration by using the Test button.

Use the **Start** button to start downloading messages. Before you can start downloading messages you have to configure true-Broker Web using the configuration links.

i

Status

Status

■

stopped

Last start up

-

Last received

-

Last received no data

-

Last received error

-

Refresh

Start

Once the application is running you can use the **Stop** button to stop the application.

Before running the application for the first time, you should test your configuration. Press the **Test** button to start the test.

Configuration test

Adapter configuration successfully tested.

Security configuration successfully tested.

Connection successfully tested.

SOAP Connection successfully tested.

Test

Download Log

If the test completes successfully, you can start the application.

43.3. Adapter configuration page

Use the **Adapter** configuration page to configure where to store your downloaded messages.

true-Broker Web - Adapter config
+
localhost:8646/TrueBrokerWeb-36c054ee-4274-4eb7-bac8-9468480bf20c/configurati...
true-Broker
client: Test_Bank
Logout

Status
Configuration
Adapter
Security
Connection
Proxy
Log
Messages
Logs
Log Viewer
Log Files
SOAP Service
User management
true-Broker Web Admin

Adapter configuration

Inbox directory *

In case of a local directory use the following syntax: `/directory/[subdir/]`
In case of a network directory use the following syntax: `smb://share/directory/[subdir/]`

Copy receiver (optional)

If set all message will be copied to the configured directory. In case of a network directory, the same user and password is used as for the original receiver.

☐ Daily sub directories

If set a daily sub directory will be created. The file name will be of the form:
`/directory/[subdir]/yyyy_MM_dd/HH_mm_ss_type_number.ext`
`smb://share/directory/[subdir]/yyyy_MM_dd/HH_mm_ss_type_number.ext`

If not set the file name will be of the form:
`/directory/[subdir]/yyyy_MM_dd/HH_mm_ss.ext`
`smb://share/directory/[subdir]/yyyy_MM_dd/HH_mm_ss_type_number.ext`

☒ Mark possible duplicates

If set possible duplicates are marked as possible duplicates:
`yyyy_MM_dd/HH_mm_ss_PossibleDuplicate_type_number.ext`
`yyyy_MM_dd/HH_mm_ss_PossibleDuplicate_type_number.ext`

Domain (optional)

The domain name used for the NTLM authentication.

Username (optional)

The username used for the NTLM authentication.

Password (optional)

The username used for the NTLM authentication.

Save

The **Inbox directory** defines the directory where messages are stored. Use the following syntax if you want to store the messages into a local directory:

/directory/[subdirectory/]

In case of a network directory use the following syntax:

smb://share/directory/[subdirectory/]

You can optionally copy the URL of your network directory from your explorer:

\\share\directory\[subdirectory\]

Do not use mapped network drives. The Tomcat Apache server is using the System account to run and does not have access to mapped network drives.

The **Copy receiver** is an optional parameter. If it is set, all messages will be copied and stored in the specified directory as well.

To use a network directory, use the syntax described above.

Adapter configuration

Inbox directory *

/opt/keyon/truebroker/data/inbox

In case of a local directory use the following syntax: /directory/[subdir]
 In case of a network directory use the following syntax: smb://share/directory/[subdir/]

Copy receiver (optional)

If set all message will be copied to the configured directory. In case of a network directory, the same user and password is used as for the original receiver.

☒ **Daily sub directories**

If set a daily sub directory will be created. The file name will be of the form:
 /directory/[subdir]/yyyy_MM_dd/HH_mm_ss_type_number.ext
 smb://share/directory/[subdir]/yyyy_MM_dd/HH_mm_ss_type_number.ext

If not set the file name will be of the form:
 /directory/[subdir]/yyyy_MM_dd_HH_mm_ss.ext
 smb://share/directory/[subdir]/yyyy_MM_dd_HH_mm_ss_type_number.ext

Downloaded messages are directly stored in the above inbox directory or a daily sub directory of the inbox directory.

If the **Daily sub directories** check box is set a daily sub directory will be created. The file name will be of the form:

yyyy_MM_dd/HH_mm_ss_MSGTYPE_NUM.txt

Example:

2009_07_02/14_35_43_MT515_123456.txt

If the Daily sub directories check box is not set the file name will be of the form:

yyyy_MM_dd_HH_mm_ss_MSGTYPE_NUM.txt

Example:

2009_07_02_14_35_43_MT515_123456.txt

Tag	Description	Example
yyyy	Year	2009
MM	Month in year	07
dd	Day in month	02
HH	Hour in day (0-23)	14
mm	Minute in hour	35
ss	Second in minute	43
MSGTYPE	Message type	MT515
NUM	Unique number	123456

In case a message could be a possible duplicate the message is prefixed with "PossibleDuplicate". If the check box is selected the possible duplicates are marked:

☒ **Mark possible duplicates**

If set possible duplicates are marked as possible duplicates:

yyyy_MM_dd/HH_mm_ss_PossibleDuplicate_type_number.ext

yyyy_MM_dd_HH_mm_ss_PossibleDuplicate_type_number.ext

Please define the Domain, username and password if NTLM authentication is needed to access the network directory.

Domain (optional)

The domain name used for the NTLM authentication.

Username (optional)

The username used for the NTLM authentication.

Password (optional)

The username used for the NTLM authentication.

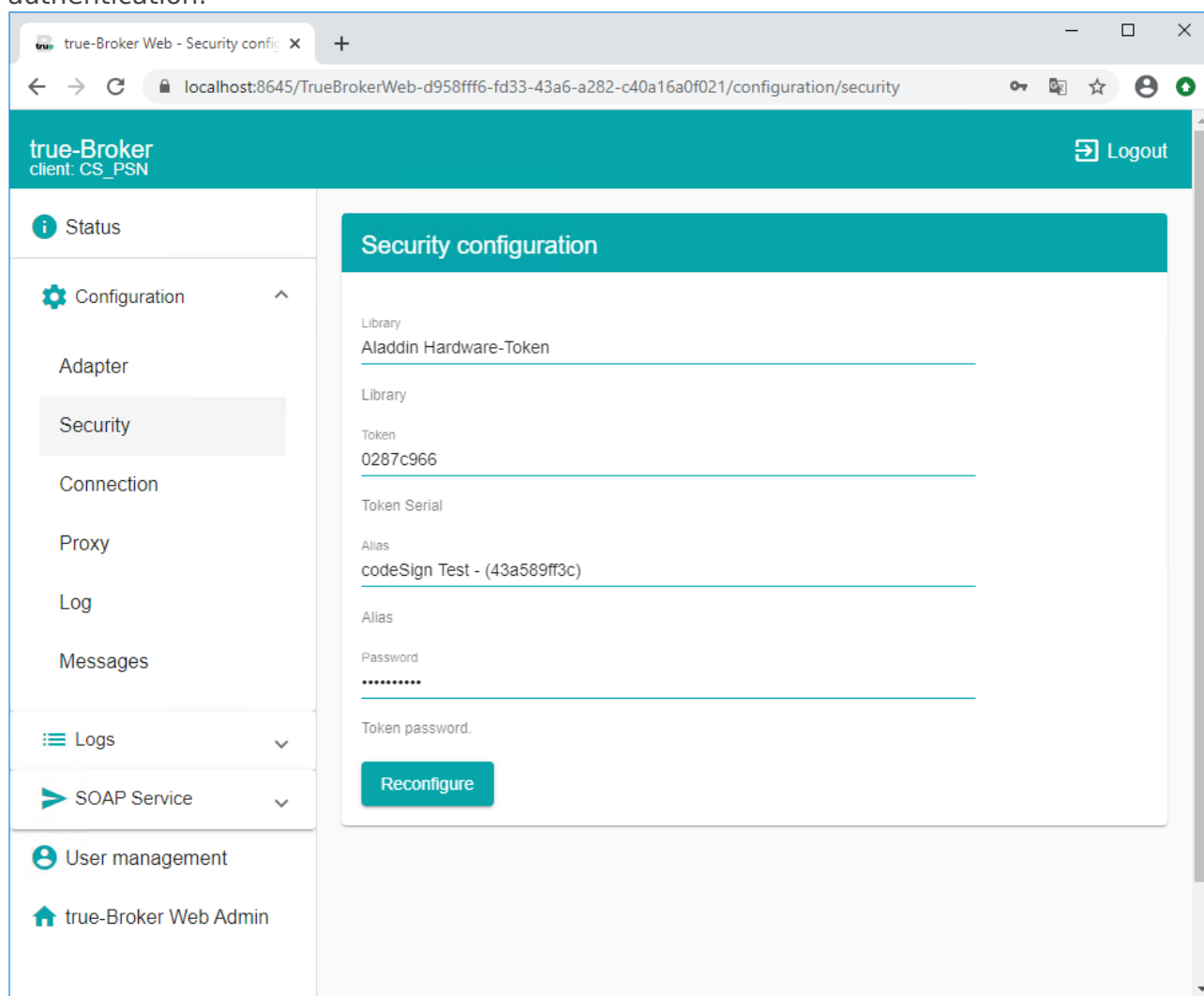
If the inbox directory as well as the copy receiver directory are network directories, the same user must be used to login to both.

Press the **Save** button to save your changes.

The save process can take a while if a network directory has been configured. The save action checks whether the network directory is accessible using the defined configuration parameters.

43.4. Security configuration page

Use the security configuration page to configure the credentials used for client authentication.



The screenshot shows the 'true-Broker Web - Security configuration' page in a web browser. The browser address bar shows the URL: `localhost:8645/TrueBrokerWeb-d958fff6-fd33-43a6-a282-c40a16a0f021/configuration/security`. The page has a teal header with the 'true-Broker' logo and 'client: CS_PSN' on the left, and a 'Logout' button on the right. A left sidebar contains a menu with items: Status, Configuration (expanded), Adapter, Security (selected), Connection, Proxy, Log, Messages, Logs, SOAP Service, User management, and true-Broker Web Admin. The main content area is titled 'Security configuration' and contains the following fields:

- Library: Aladdin Hardware-Token
- Library: (empty)
- Token: 0287c966
- Token Serial: (empty)
- Alias: codeSign Test - (43a589ff3c)
- Alias: (empty)
- Password: (masked with dots)
- Token password: (empty)

A 'Reconfigure' button is located at the bottom of the configuration fields.

The **Security** configuration page shows the current security configuration settings.

Security configuration

Library

Aladdin Hardware-Token

Library

Token

0287c966

Token Serial

Alias

codeSign Test - (43a589ff3c)

Alias

Password

.....

Token password.

Reconfigure

Select the **Reconfigure** button to restart the configuration process.

Please select the **Library** according to your security token.

Library Selection

Library *

Load Library

The following hardware security tokens are currently supported:

Name	Token
SafeNet 5110 Use the Aladdin eToken driver for this token	

Press the **Load Library** button to load the selected library.

Library Selection

Library *

Aladdin Hardware-Token ▼

Load Library

Token Selection

Library: Aladdin Hardware-Token

Token *

0287c966 ▼

password

.....|

Login

Select the serial number of your token, enter the token password and press the **Login** button.

Alias Selection

Token: 0287c966

Alias *

codeSign Test - (43a589ff3c) ▼

Save

Select an alias and press the **Save** button to save to configuration.

To use a SoftToken, a Contract-ID is needed. This ID is provided directly by UBS. If you do not have such an ID, please contact your relationship manager at UBS.

Press the **Load Library** button to load the selected library.

Library Selection

Library *

SoftToken ▼

Load Library

Softtoken configuration

SoftToken-ID

Please enter the SoftToken-ID you received from UBS

Load

Enter the SoftToken-ID / Contract-ID you received from UBS.

The format for UBS Contract-IDs is simply an 8-digit number: 11111111



After entering the ID, true-broker will create a certificate, which needs to be sent to UBS to register it for you.



To show the certificate, simply click on ***Security*** in the left-hand menu again.

Security configuration

Library

SoftToken

Library

Token

97d1a0402b2e23cc

Token Serial

Alias

85111111 - (1981c0a5deb)

Alias

Password

Token password.

Login alias

85111111

Login alias (for UBS global auth)

CertificateThumbprint

37:F3:74:FD:8E:C4:1C:6B:D9:AA:20:85:DB:39:DE:0B:BB:75:8C:D3:B8:40:00:A
8:F3:AC:2A:6F:A0:F4:24:D0 //

The thumbprint of your certificate (SHA256)

Certificate as String

```
-----BEGIN CERTIFICATE-----
MIIC7jCCAdagAwIBAgIGAZgcCI3rMA0GCSqGSIb3DQEBCwUAMCUXETAP
BgNVBAMM
CDg1MTEExMTExMRAwDgYDVQQKDAAdTSVRTIEFHMB4XDTI1MDcxODA1
MzgxOFoXDTI2
MDcxODA1MzgxOFowJTERMA8GA1UEAwwlODUxMTExMTExEDAOBgNV
BAoMB1NJVFMM
QUcwggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKAoIBAQCalaIQFvVz
fJLLikmY
TnP/UvY811Kns09NbuAdMAw8uxRHToa43PkLOf4i4Kc/KVXF7rRDB/JtV0Rt+
Lkw
MF9n/Ave1R9qgj3KNxHI/Rx24KVbLiztMacMF2A4WomhRRaJ7Dxik2Ju4Gaq
VATe
ihgvd2746TF7OsYResbo1vb8qXUYKgb08wiCVluZF/A1BIh4wyS7/1EwB+xA
WOCw
7nBexgvLqDaHD/RiObGeor6ALV8Izbd/IKjf/cgy2gRPgQt/aPU6YbZcDK35R1H
m
84FB8irYtVMX2QnBTSXEiDTTODw2iod5s/ik7yKEOFN5eDC41CdN21Mzftiaf
U69
www.UBS.comMBAACiJDAiMAcCA1UdDwQEAwIHgDATBcNVHSEDDAKBggBq
```