



true-Broker

User Manual V-5.0.5

5.0.5

1. 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

1.1. 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

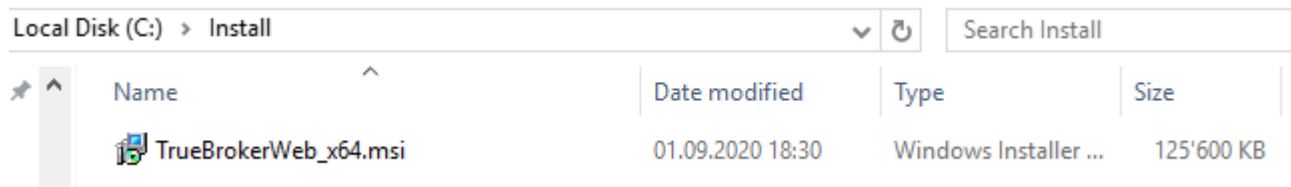
- 20 GB free hard disk
- 4 GB RAM
- free USB port (optional)
- Token (optional)

Other

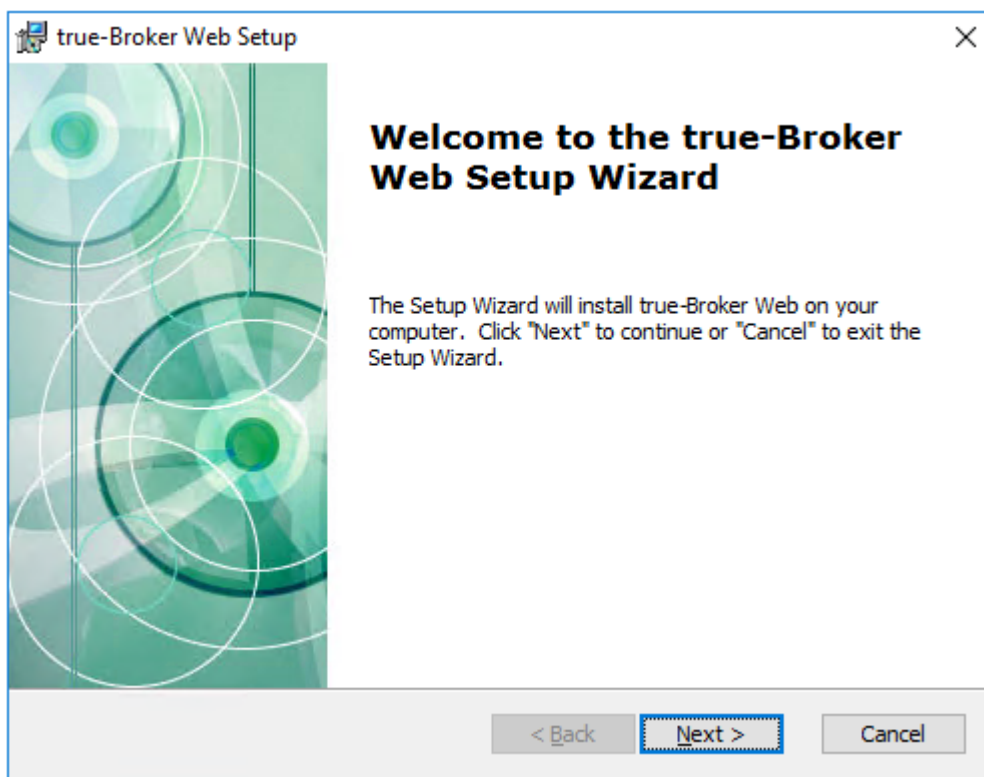
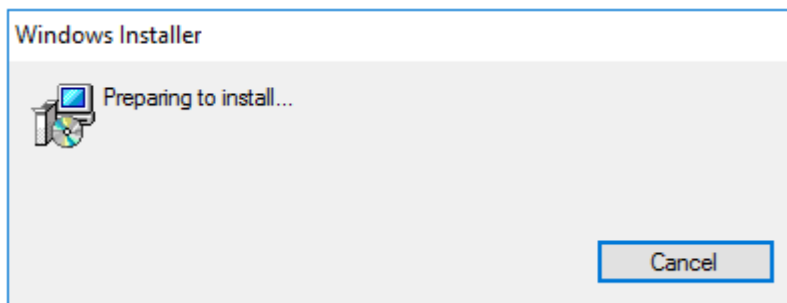
- Administrator rights
- https access to the Internet (proxy configuration parameters if required)
- Unbound local port 8645 and 8646
- Firewall allowing connections to <https://localhost:8646>

2. Installing true-Broker Web

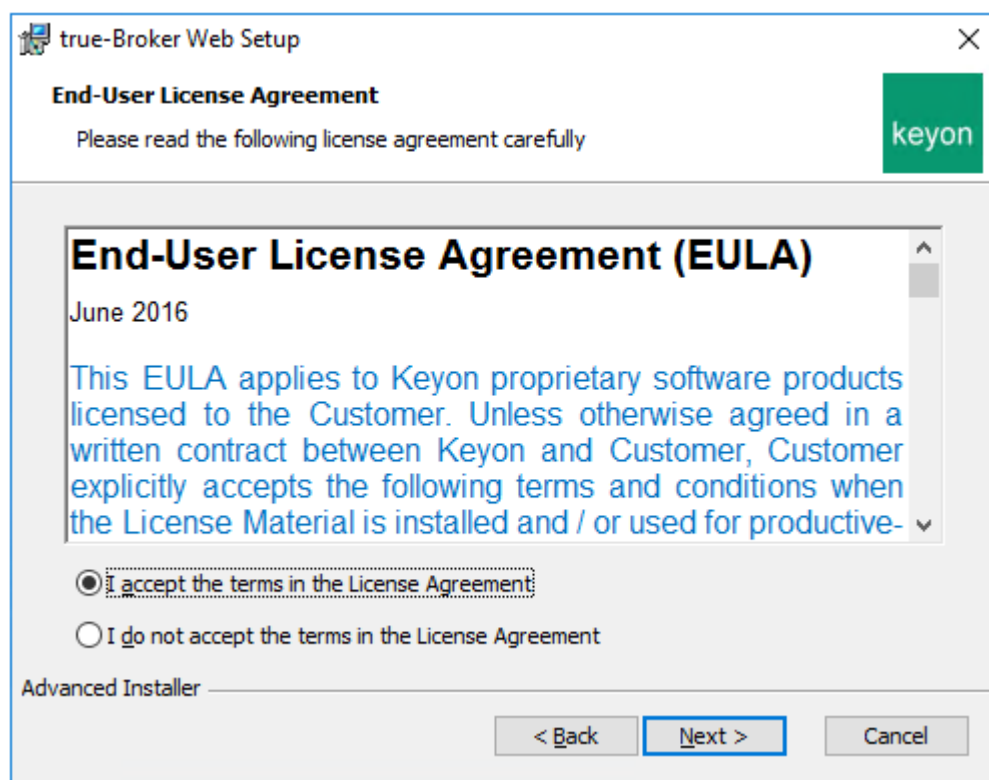
The true-Broker Web installation is based on Windows Installer Packages. Please navigate to the TrueBrokerWeb.msi.



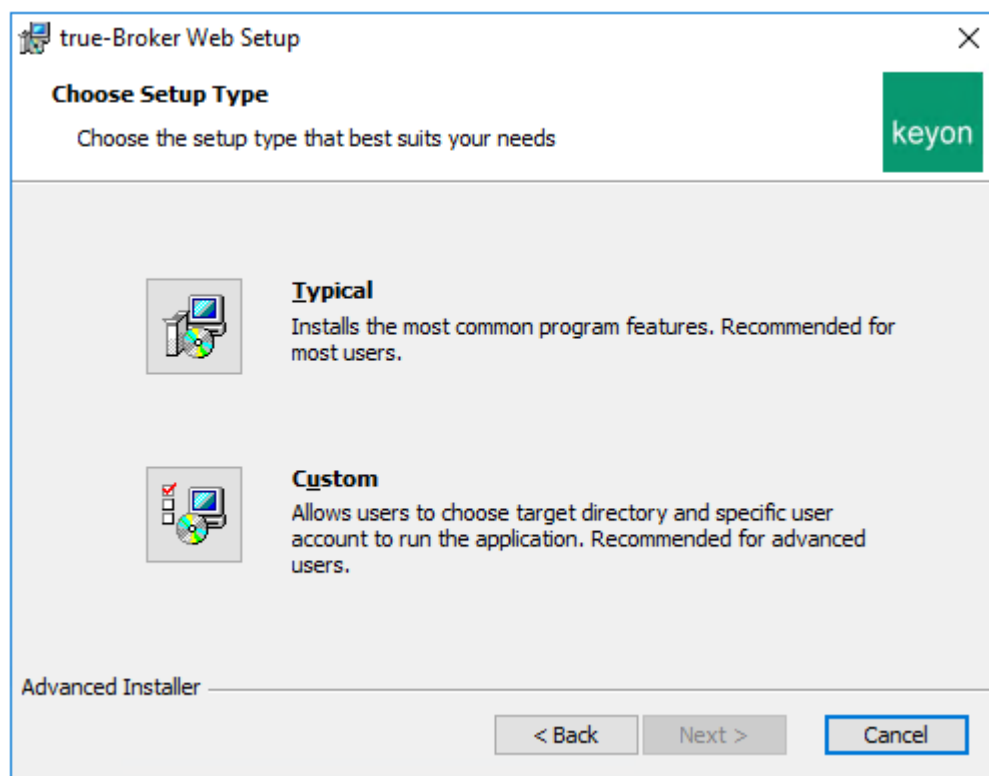
Double-click the TrueBrokerWeb.msi to start the installation process.



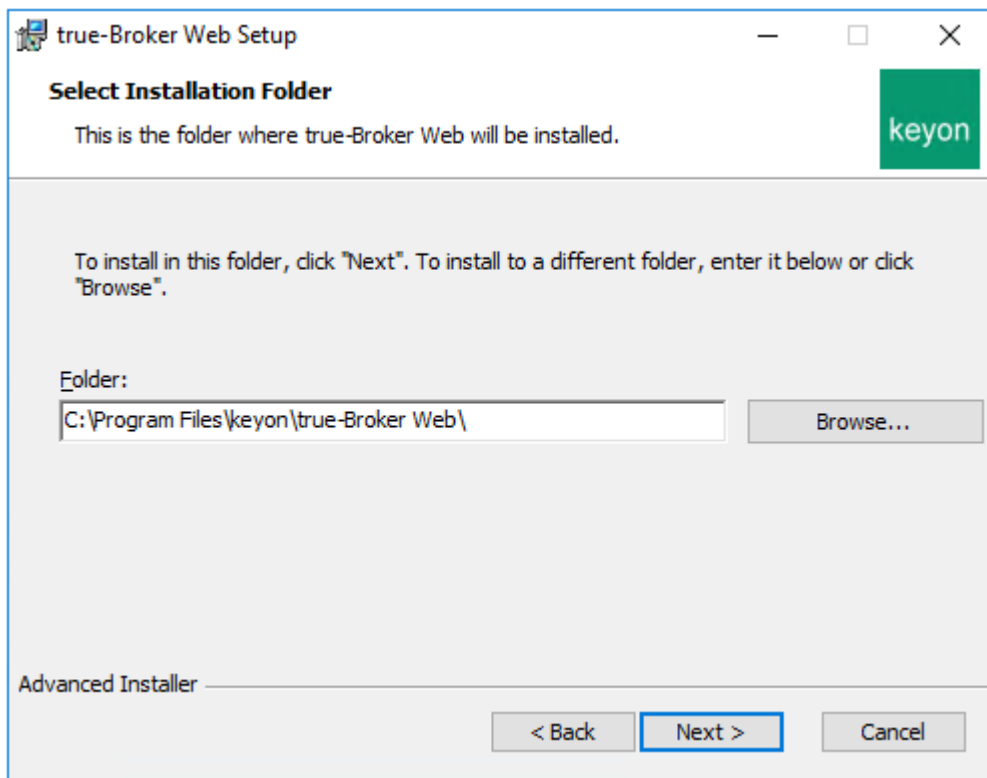
Press **Next** to continue or **Cancel** to abort the installation process.



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.



true-Broker Web Setup

Select Installation Folder

This is the folder where true-Broker Web will be installed.

To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".

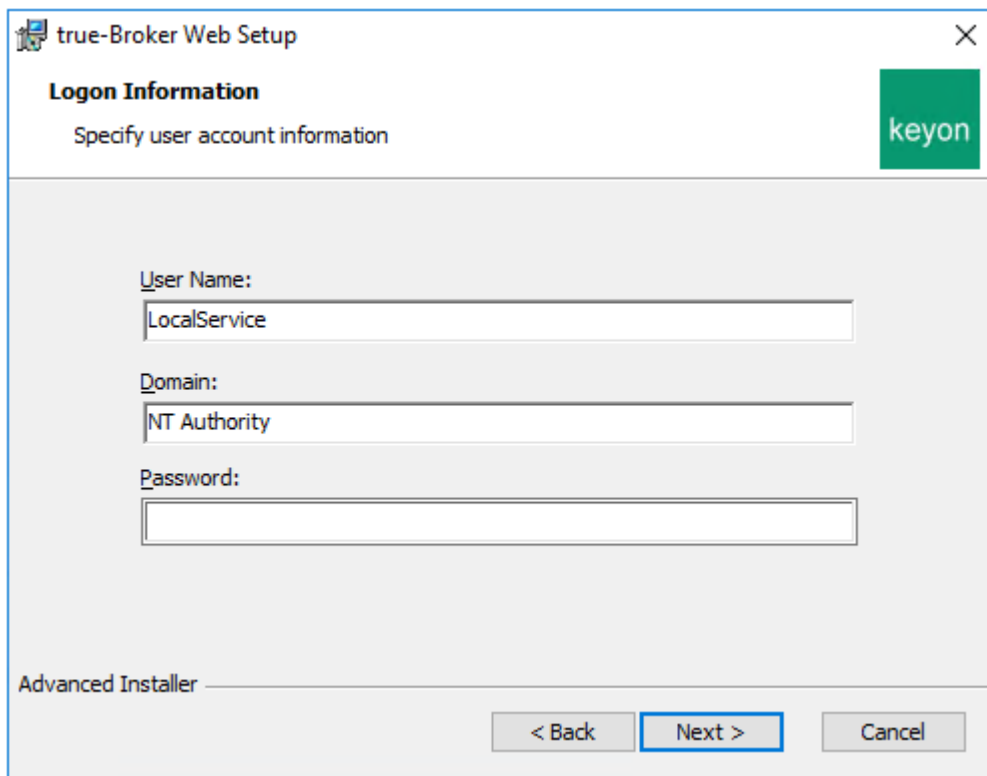
Folder:

Advanced Installer

< Back **Next >** Cancel

In case you choose **Custom**

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



true-Broker Web Setup

Logon Information

Specify user account information

User Name:

Domain:

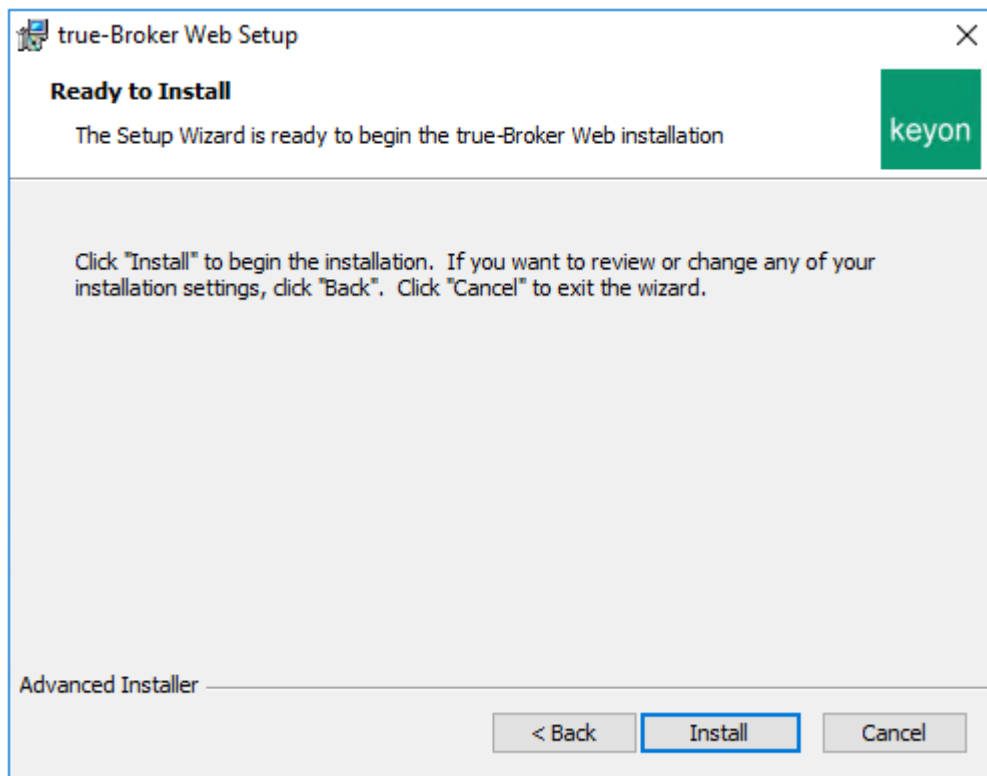
Password:

Advanced Installer

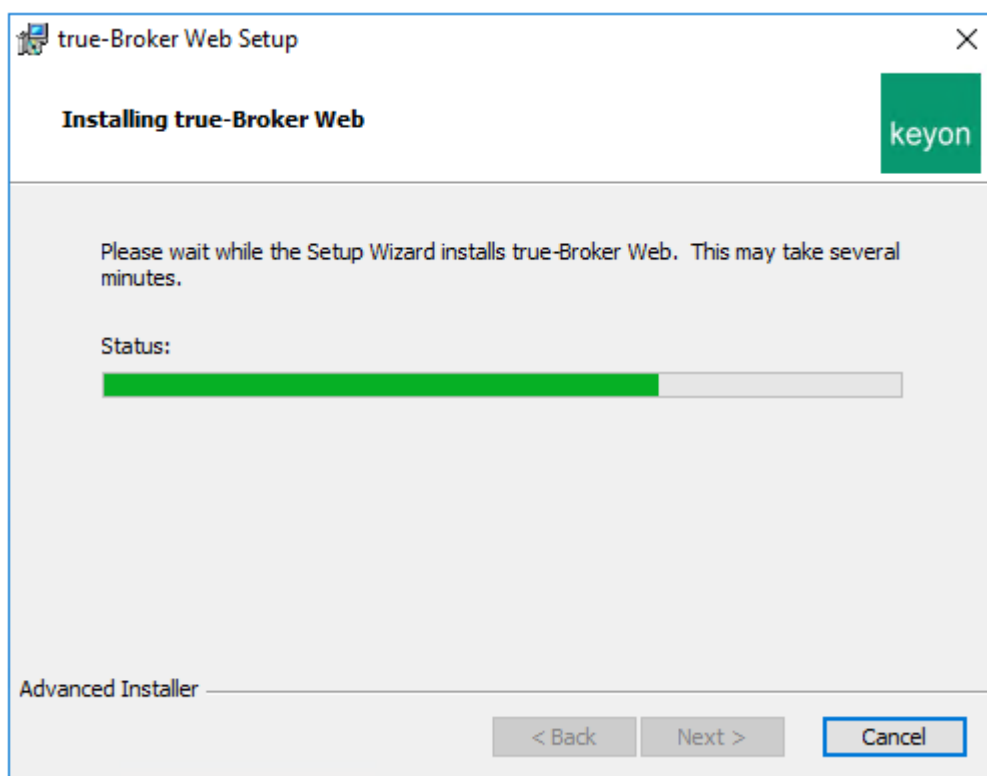
< Back **Next >** Cancel

In case you choose **Custom**

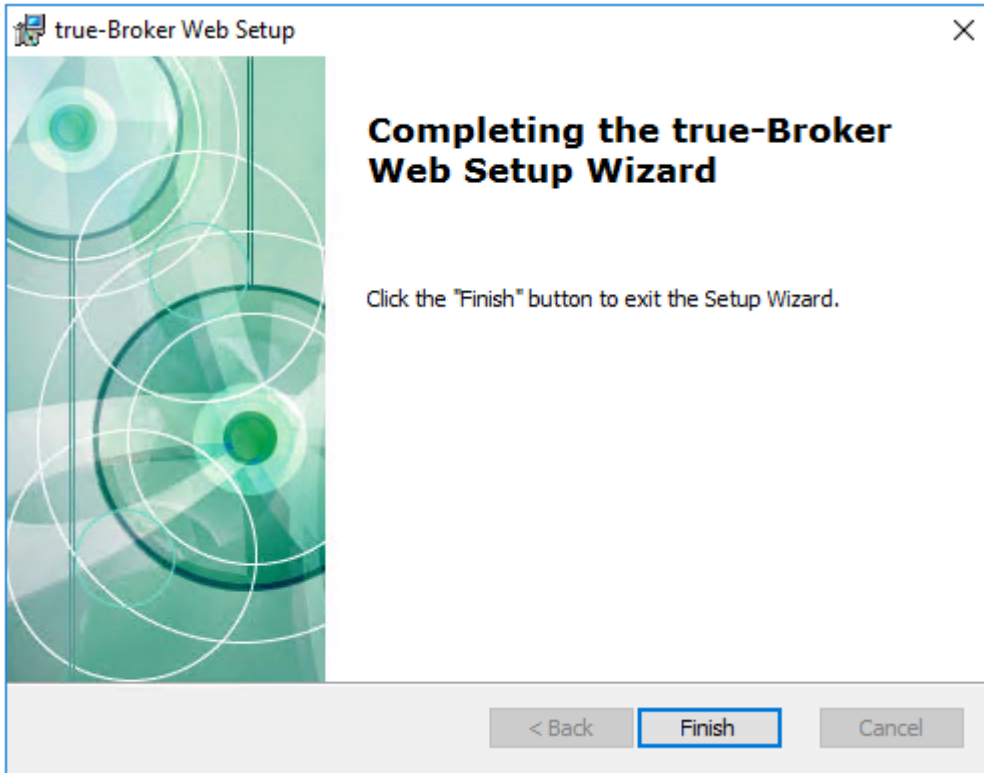
Please enter the User under which true-Broker should be executed. Or leave the default **LocalService** user. Press **Next** to continue.



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.

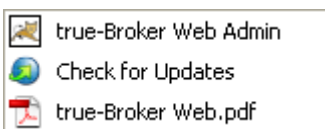


Press **Finish** to end the installation process.

3. Updating true-Broker Web

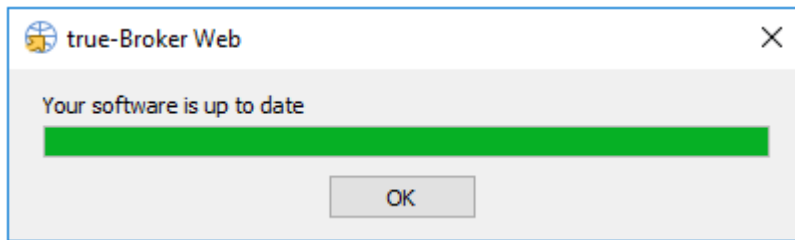
3.1. Using Check for Updates

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

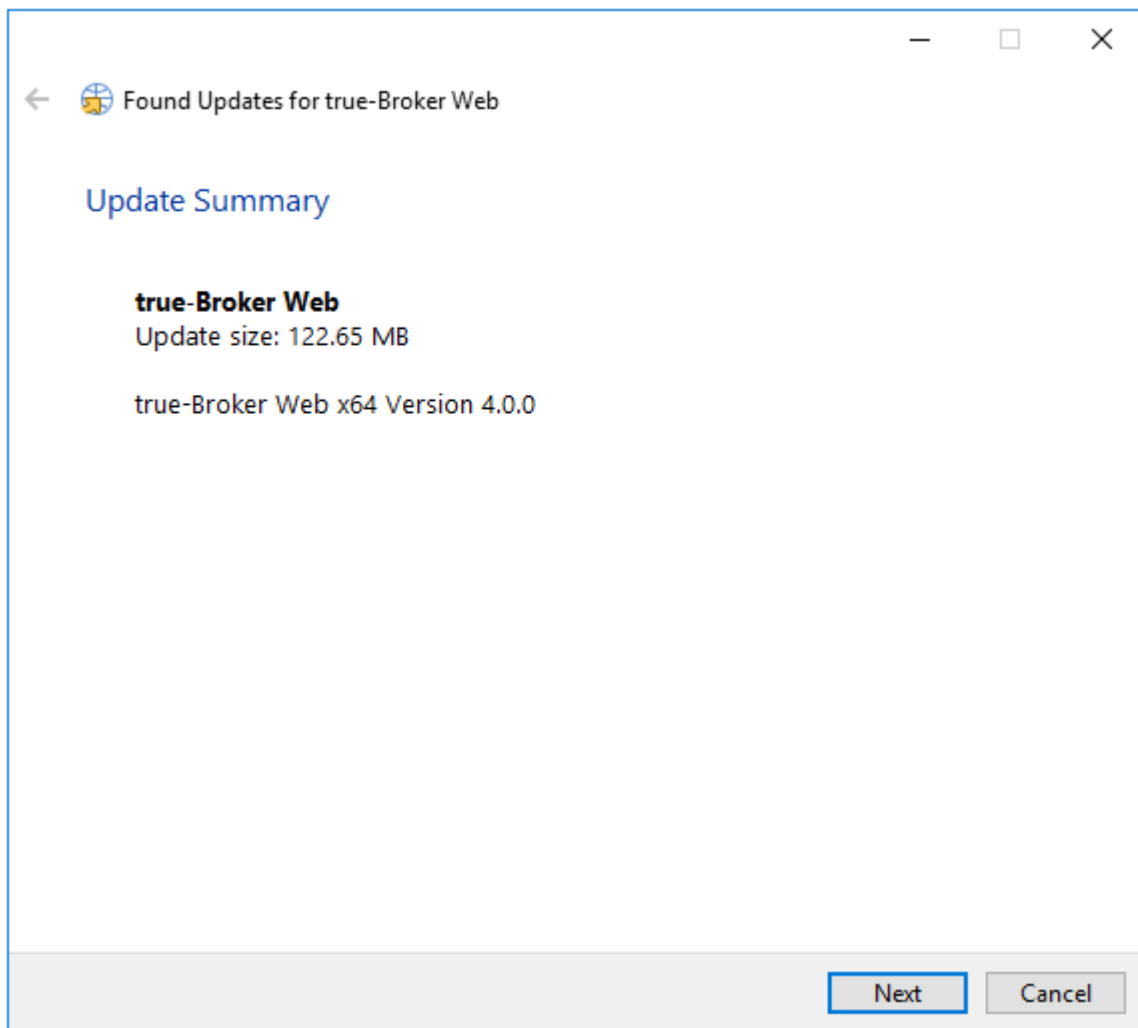


The update process checks online whether updates are available. The update process uses the Internet Explorer connection settings to establish a connection to the update page using http. The update page is located on <https://www.keyon.ch>.

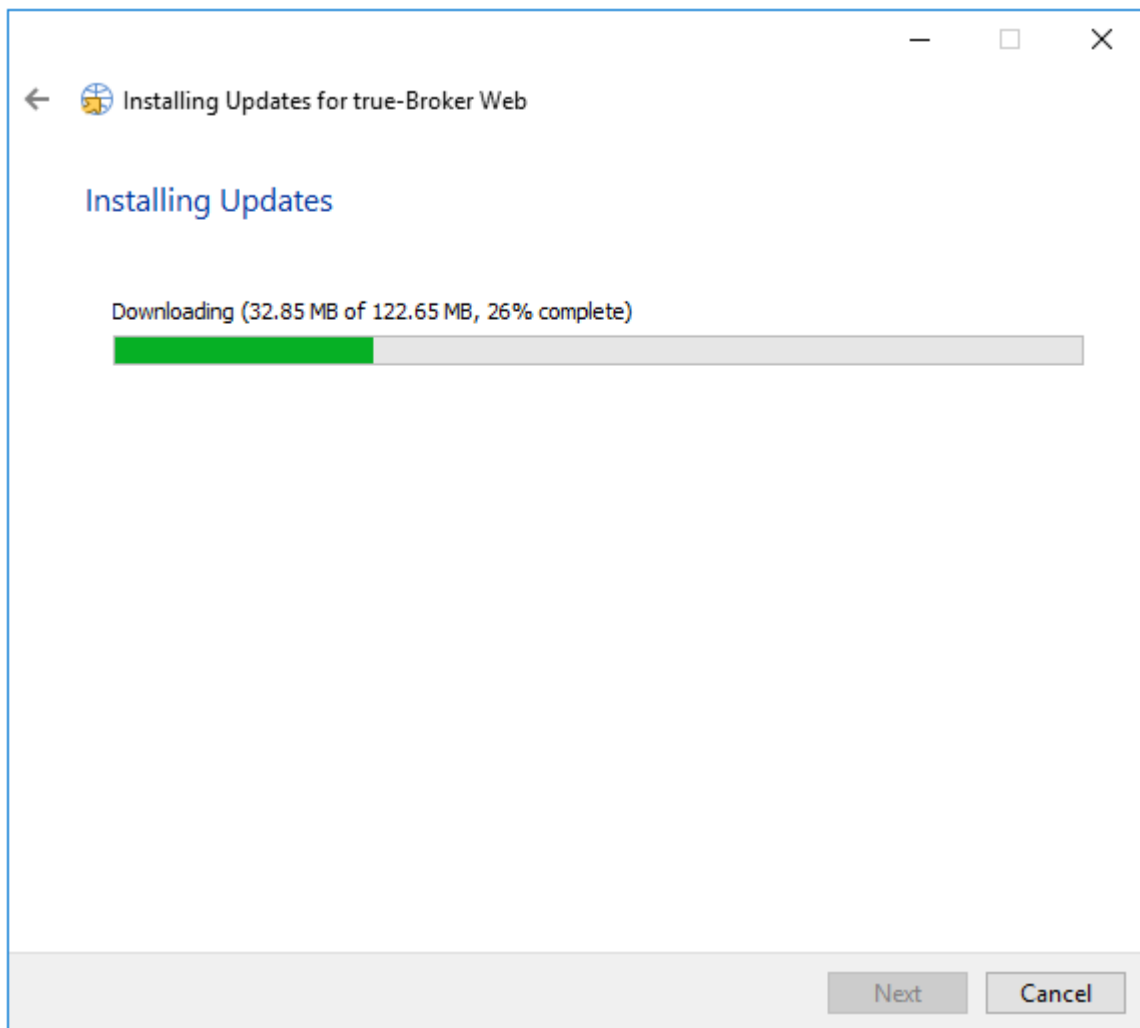
If your true-Broker Web Installation is up to date the following message window is displayed.



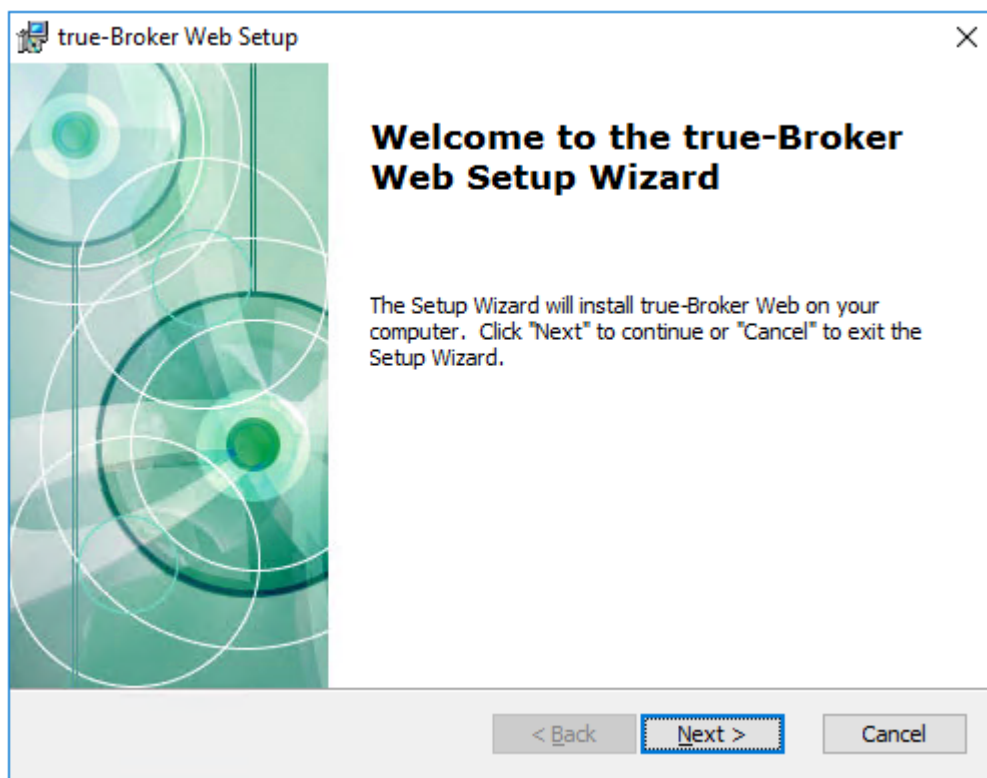
If an update is available, the following window is displayed.



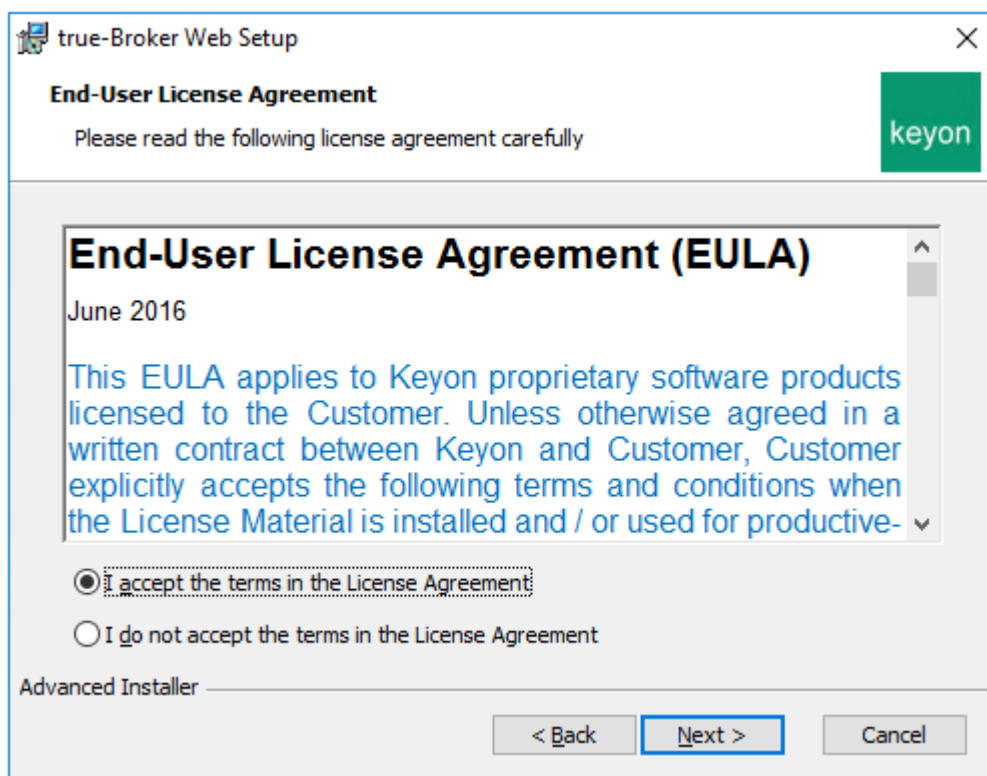
Press **Next** to start the update process.



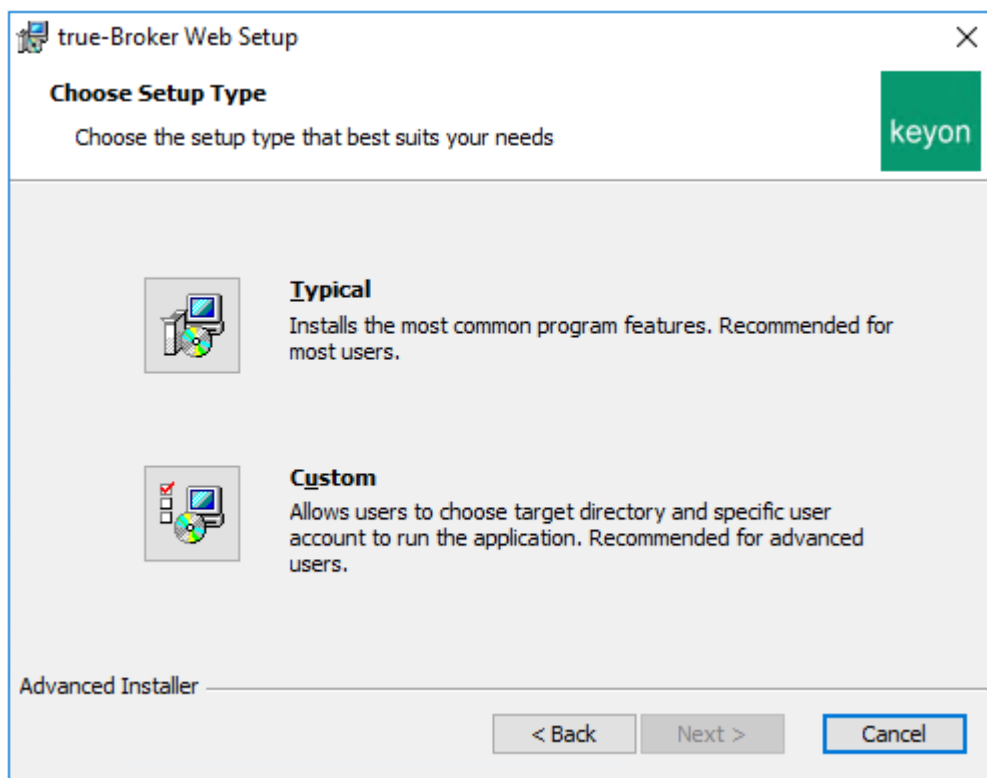
The update process downloads the patch and starts the patch installation process.



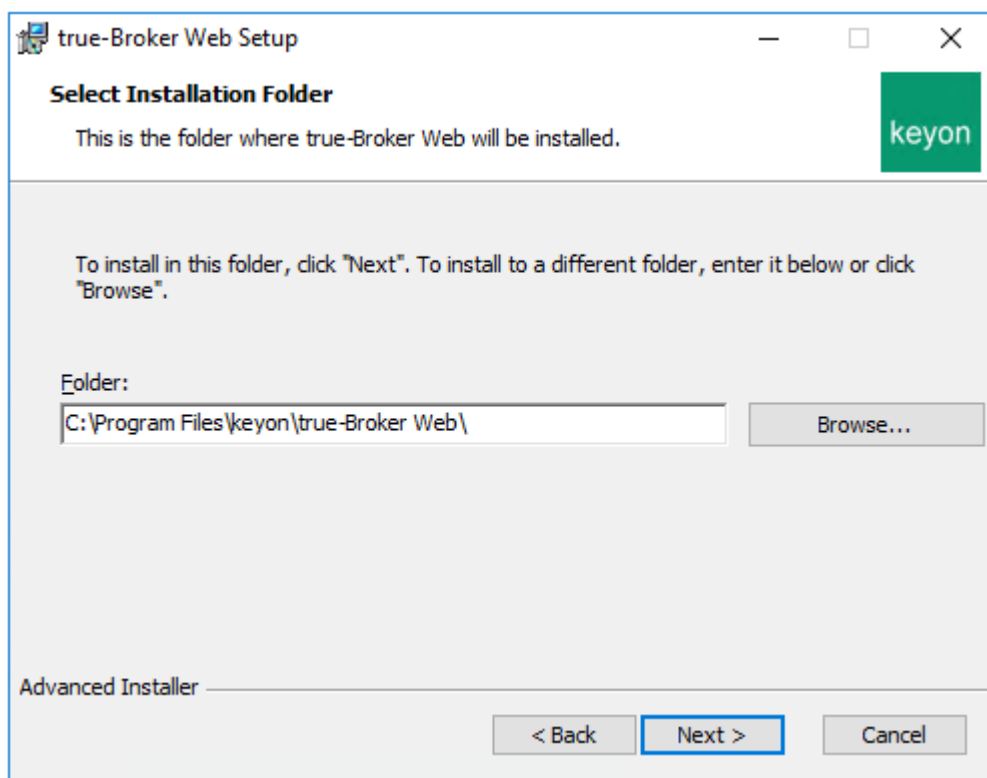
Press **Next** to start the patch install process.



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

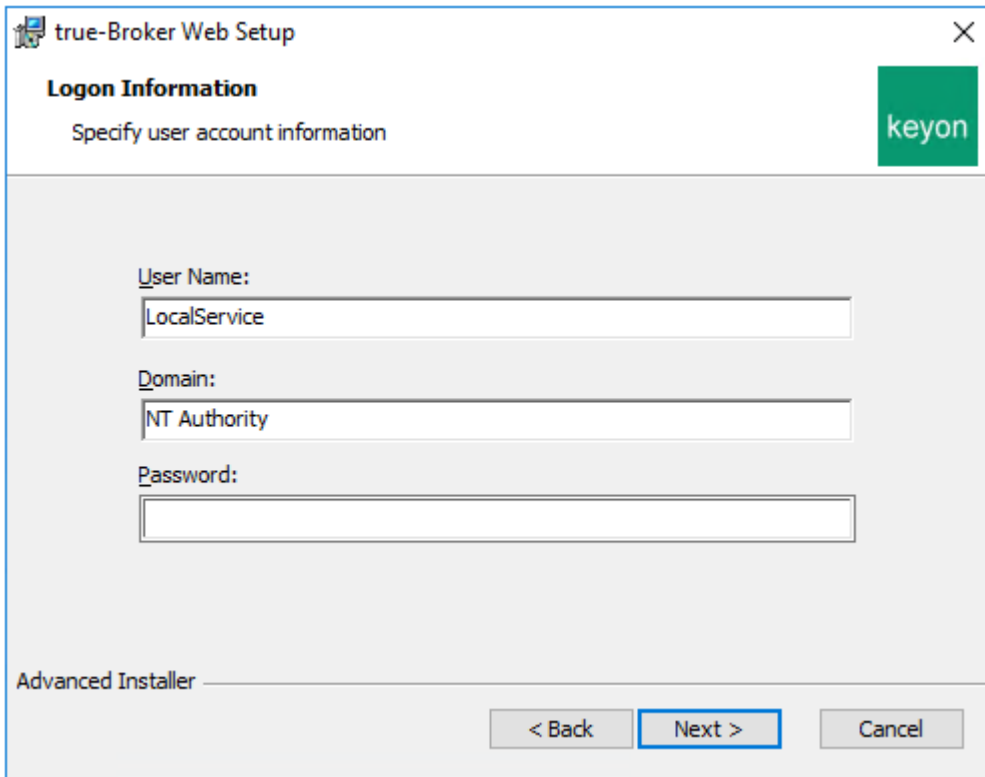


Please select **Typical** to install true-Broker with default parameters. Press **Next** to continue.



In case you choose **Custom**

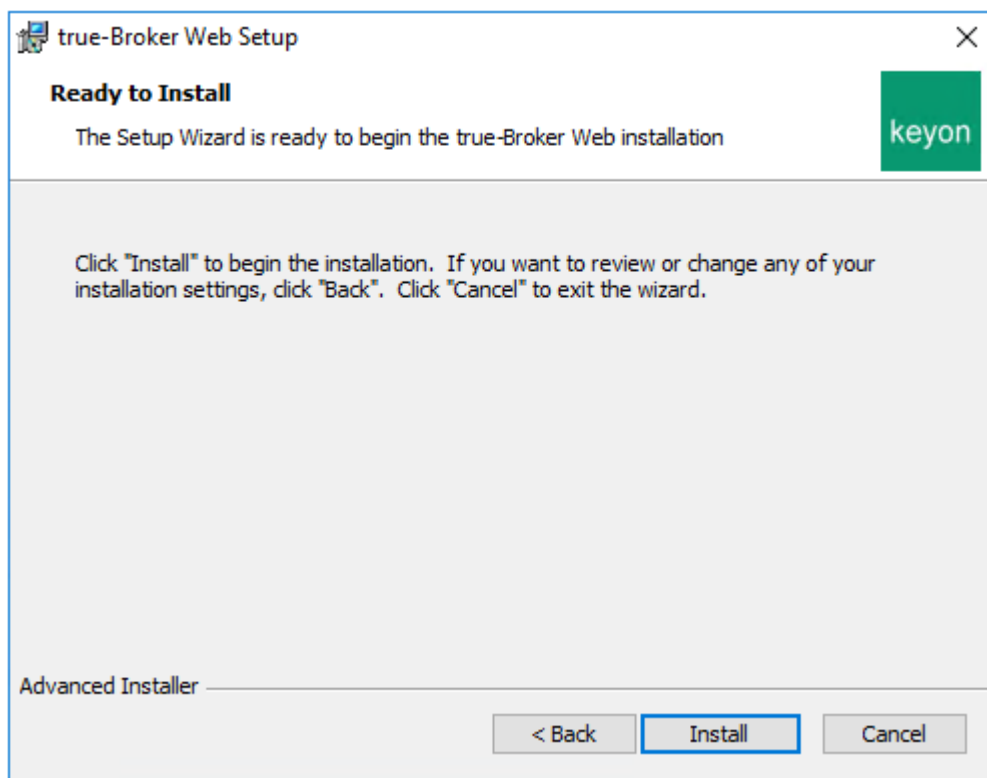
Please select the folder where to install true-Broker Web. Press **Next** to continue.



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 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: "User Name:" with the text "LocalService" entered, "Domain:" with the text "NT Authority" entered, and "Password:" which is currently empty. At the bottom left of the dialog, it says "Advanced Installer". At the bottom right, there are three buttons: "< Back", "Next >" (which is highlighted with a blue border), and "Cancel".

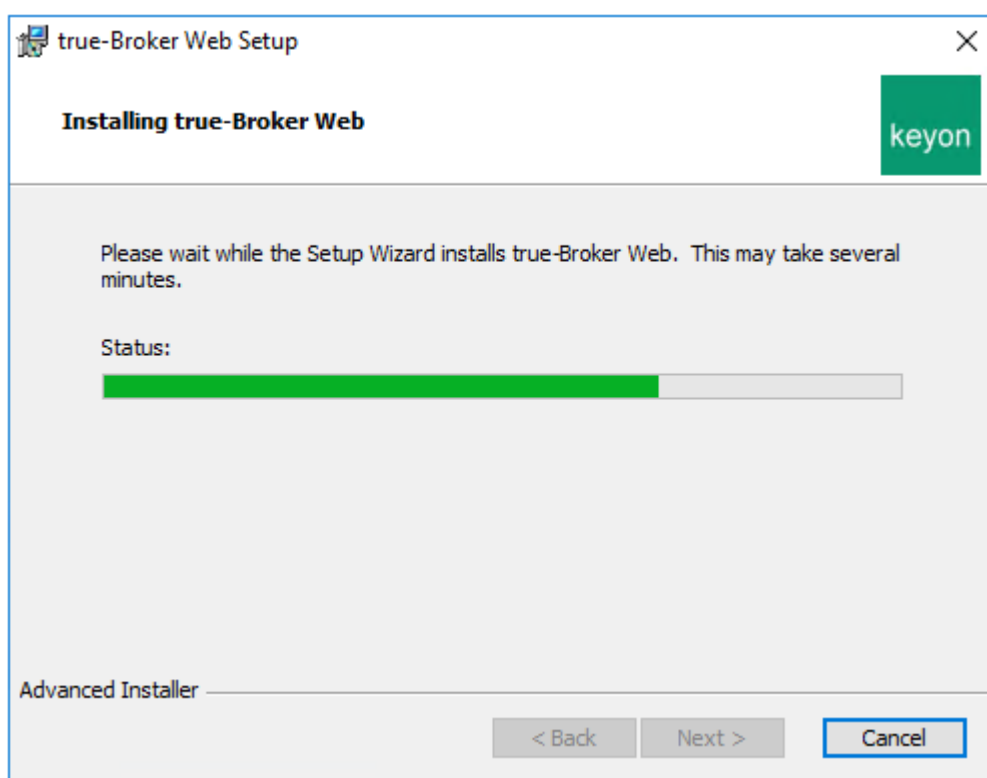
In case you choose **Custom**

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

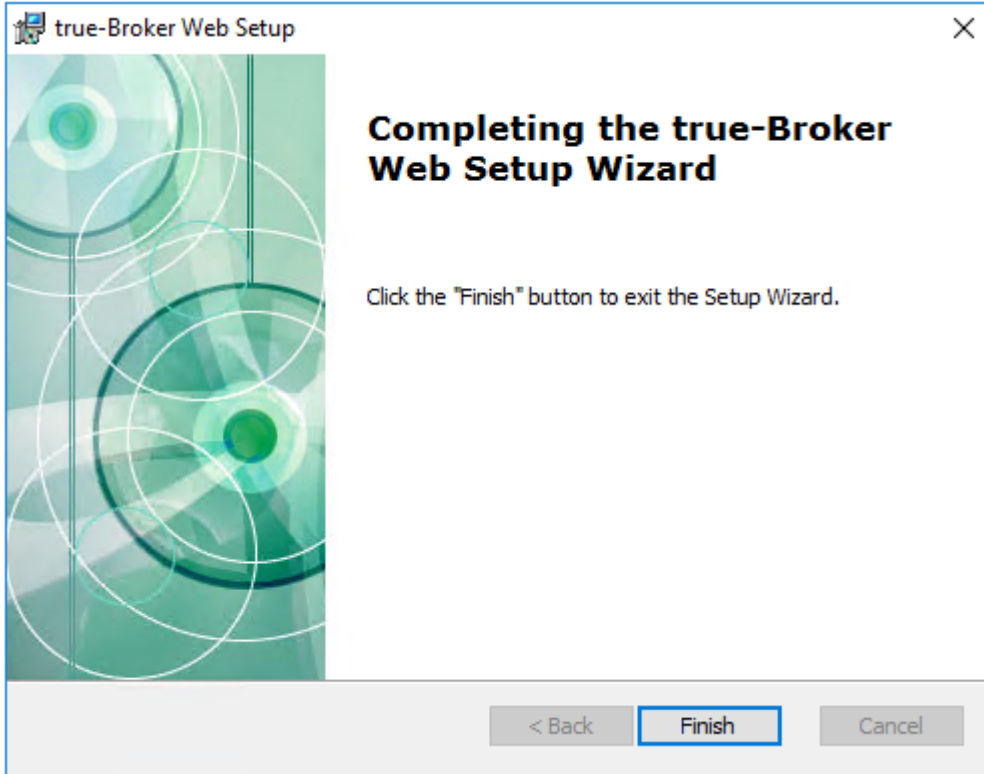


Click **Install** to start the installation.

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



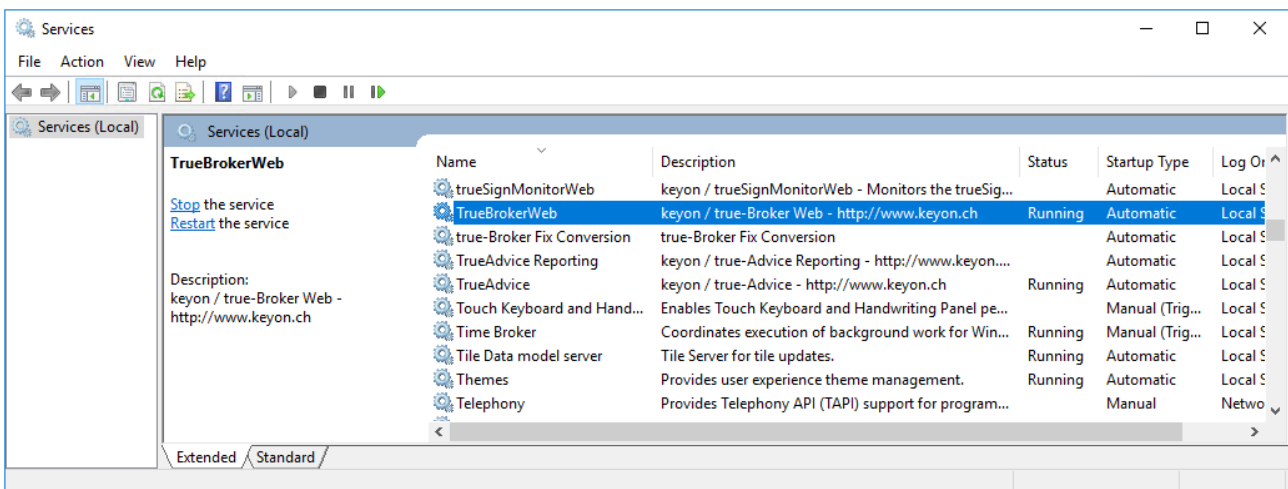
During the patch installation process the Apache Tomcat Windows service is stopped and the new files are copied to the installation directory.



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

4. 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.

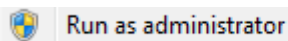
4.1. Configure true-Broker Web Windows service

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

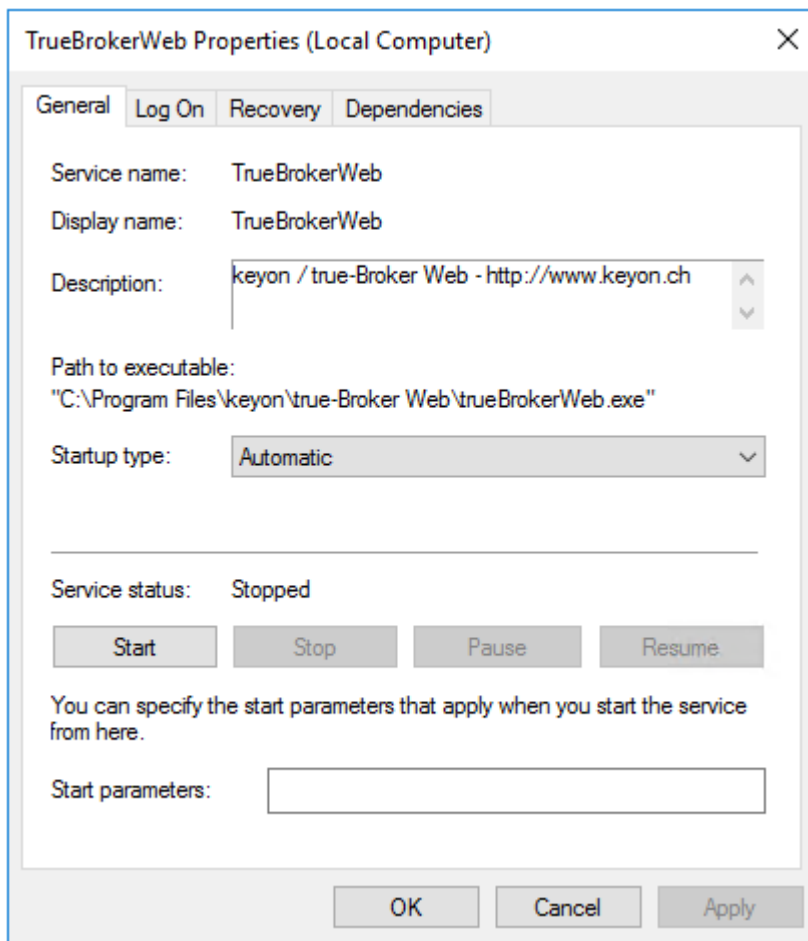
Minimum Version=1.6

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.

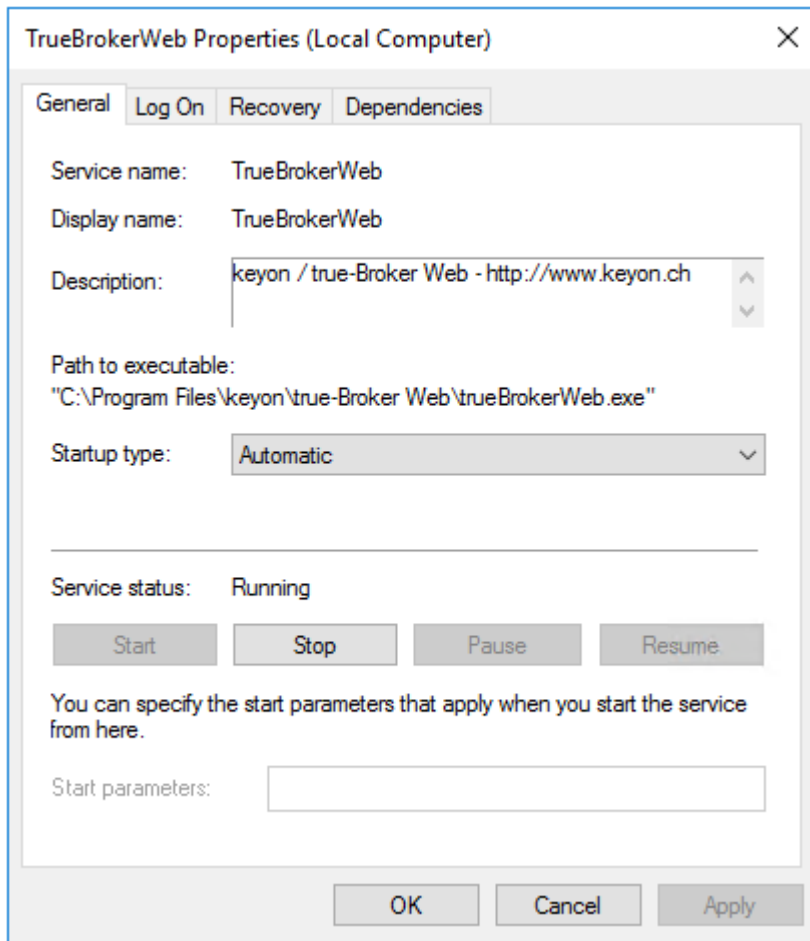
4.2. Starting true-Broker Web Windows service

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



4.3. Stopping true-Broker Web Windows service

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



4.4. 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	02.09.20
Start TrueBrokerWeb	Ready	At 00:15 every day	03.09.2020 00:15:00	30.11.19
Stop TrueBrokerWeb	Ready	At 00:00 every day	03.09.2020 00:00:00	30.11.19
User_Feed_Synchronization-...	Ready	At 22:58 every day - Trigger expires at 02.09.2030 22:58:54.	02.09.2020 22:58:54	02.09.20

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

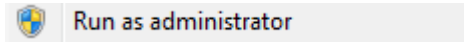
5. True-Broker Web Windows console

5.1. 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
  
```

5.2. 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.

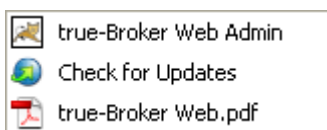
6. true-Broker Web Administration

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:

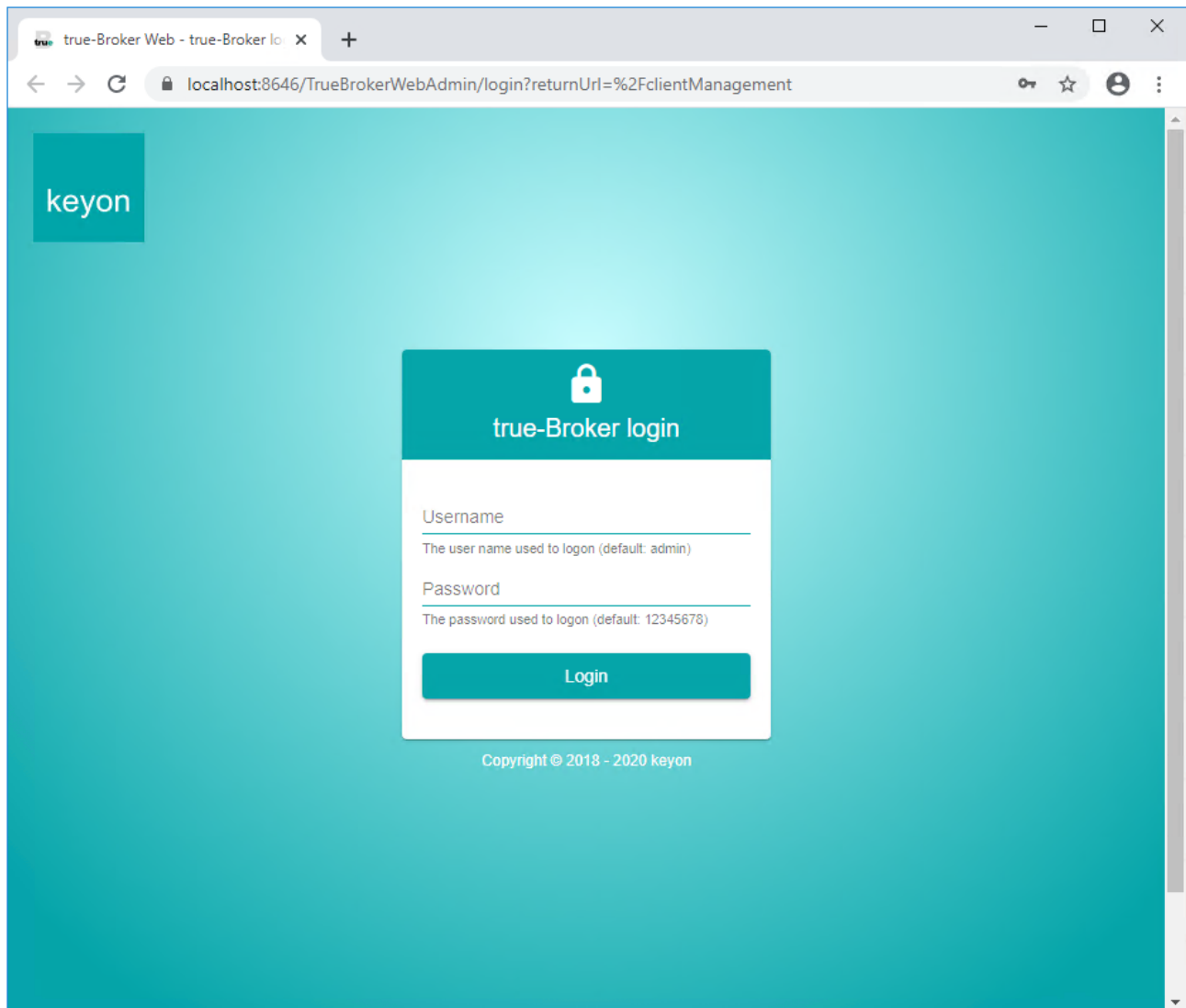
<https://localhost:8646/TrueBrokerWebAdmin>

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.



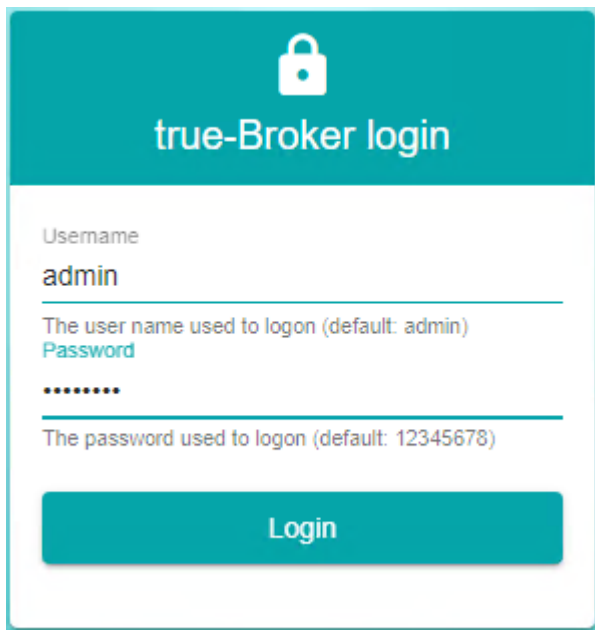
6.1. Logon page

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 that says "true-Broker login" and 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, it says "Copyright © 2018 - 2020 keyon".

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



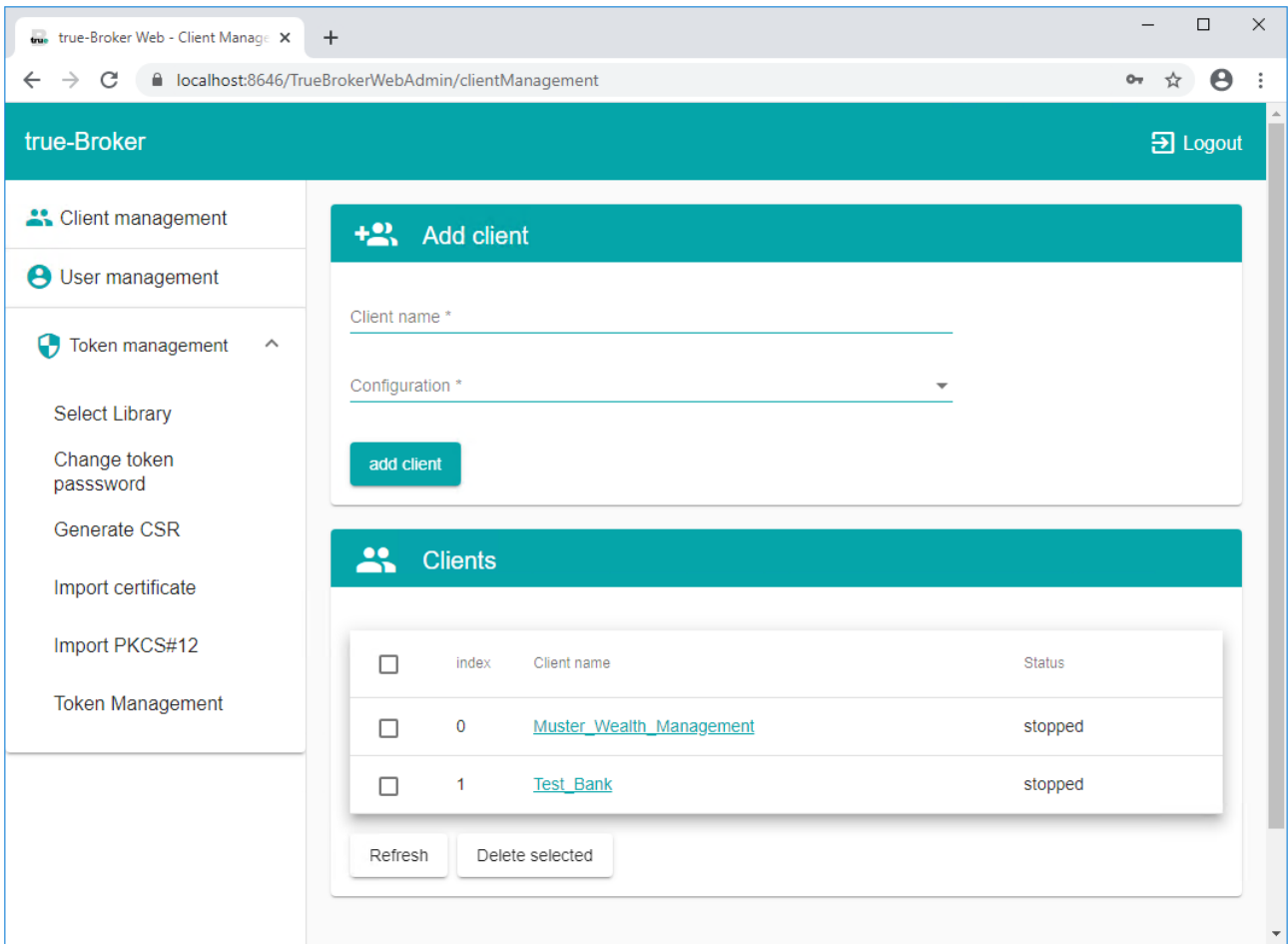
The image shows a web form titled "true-Broker login" with a teal header containing a lock icon. The form has two input fields: "Username" with the value "admin" and "Password" with masked characters. Below each field is a hint: "The user name used to logon (default: admin)" and "The password used to logon (default: 12345678)". A teal "Login" button is at the bottom.

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

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

6.2. 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

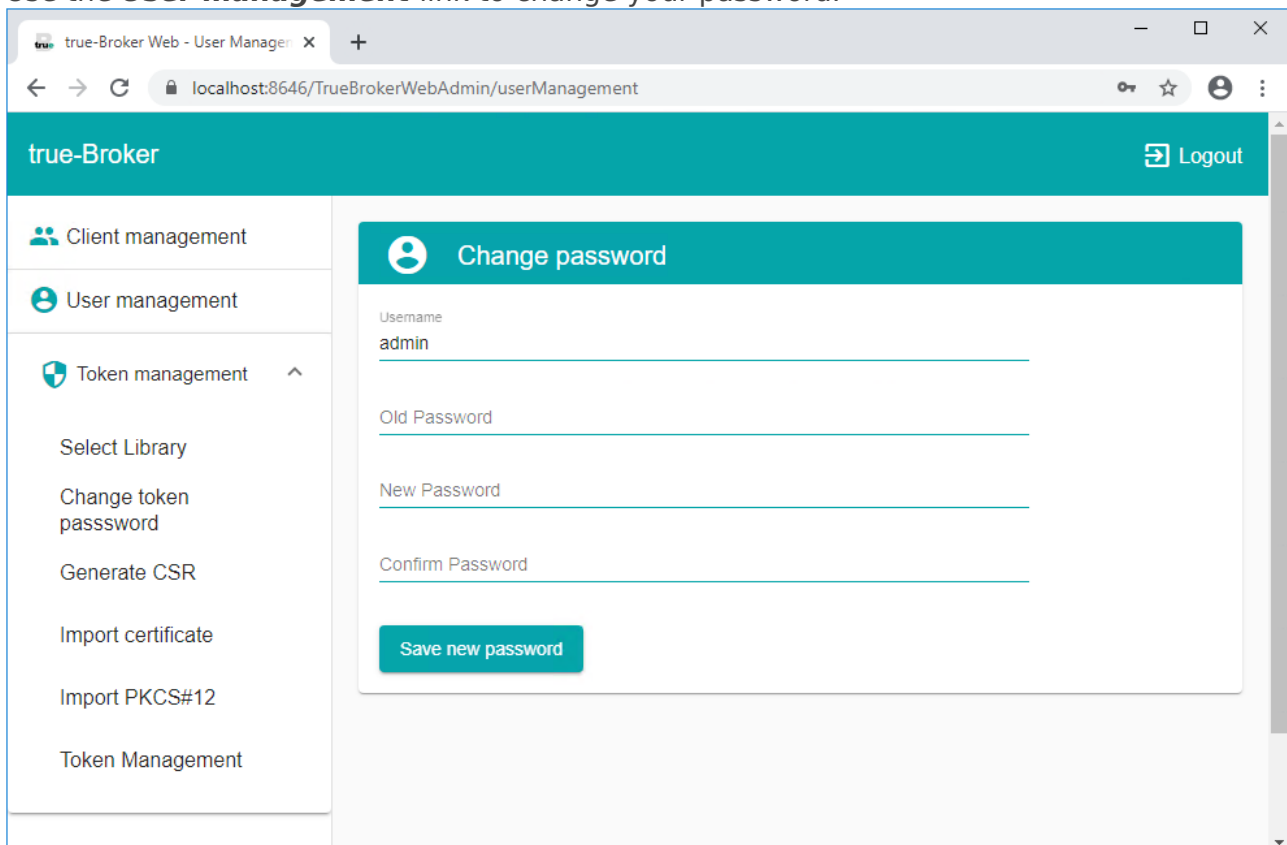
Refresh Delete selected

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.

6.3. 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 it includes a "Logout" button. The left sidebar contains a menu with "Client management", "User management", and "Token management". The "User management" section is expanded, showing options like "Select Library", "Change token password", "Generate CSR", "Import certificate", "Import PKCS#12", and "Token Management". The main content area is titled "Change password" and contains four input 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.

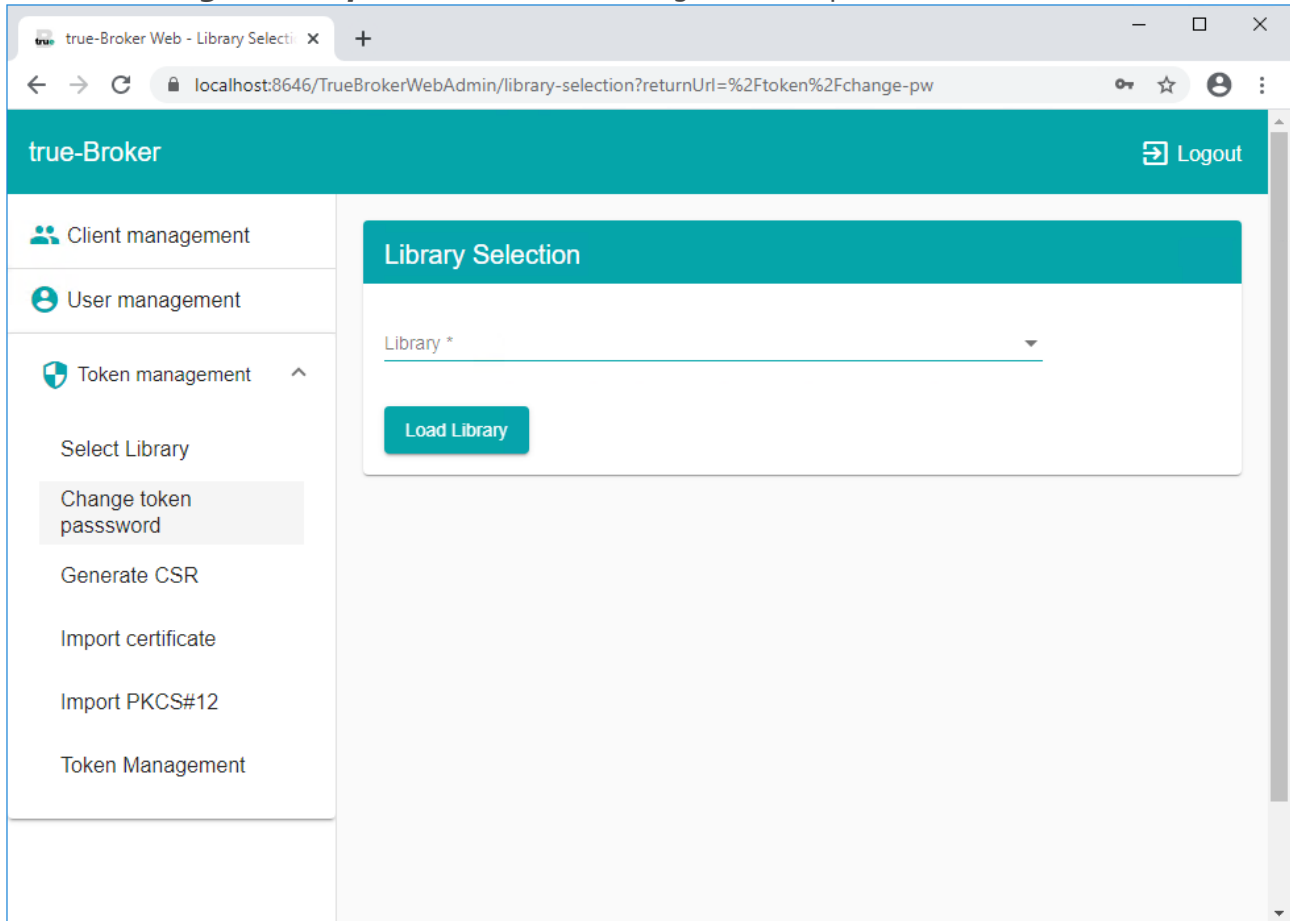
Password must contain 1 or more lowercase characters.

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.

6.4. 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 navigation 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 form the drop-down list, enter the password and press the **Login** button.

Change token password

Token

TokenID

Old Password *

New Password *

Confirm Password

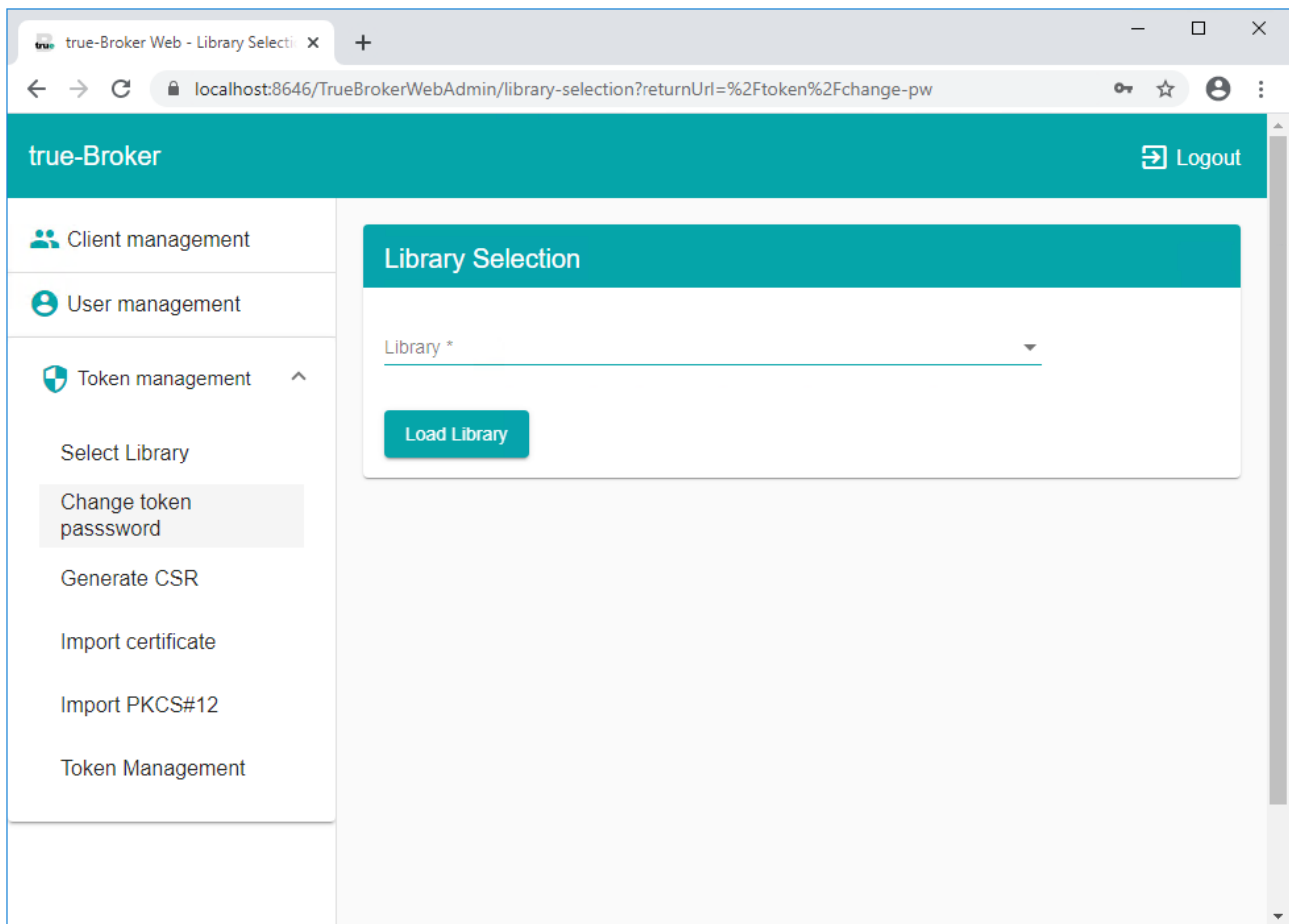
Change password

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.

6.5. 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 form 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

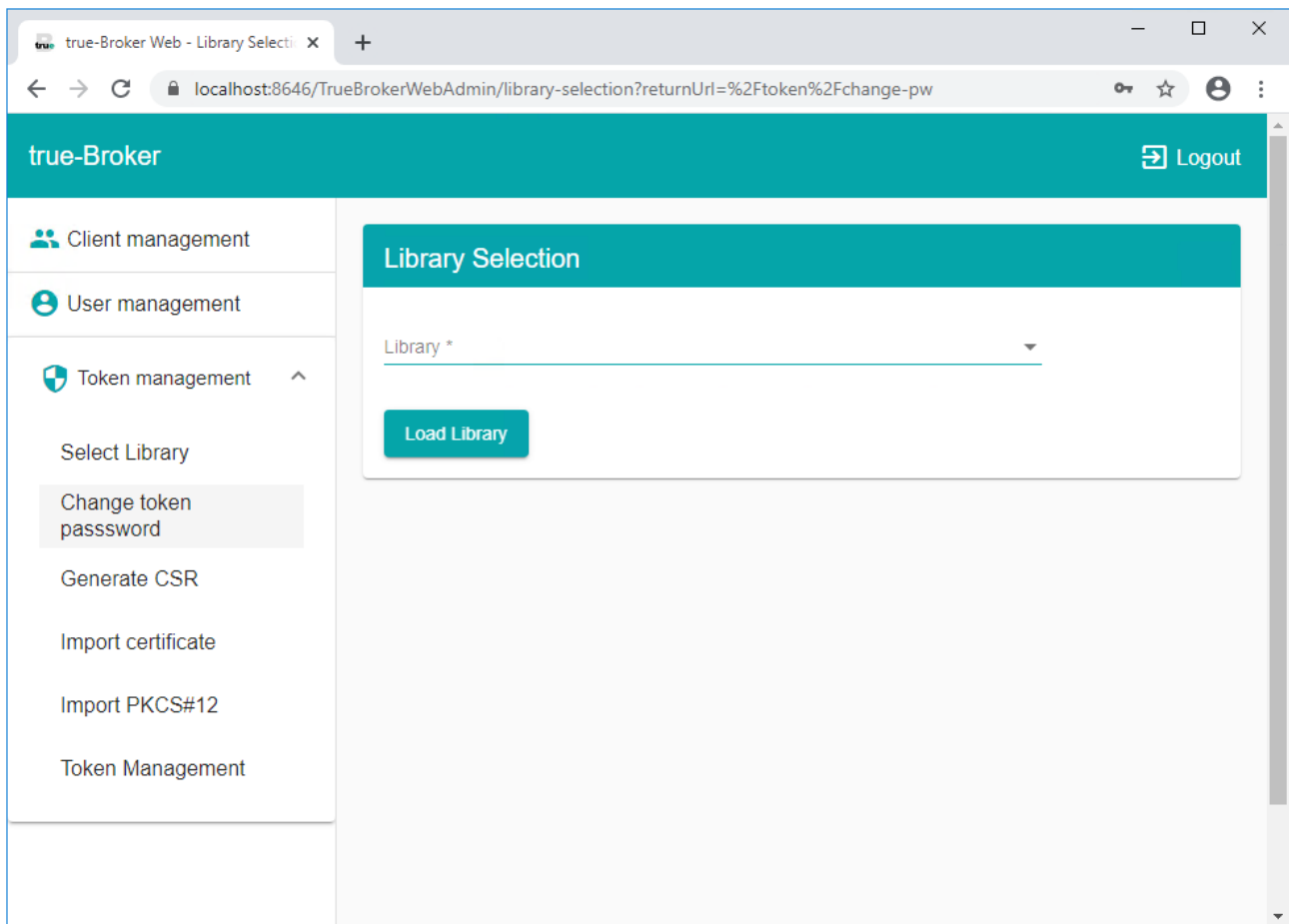
```
-----BEGIN NEW CERTIFICATE REQUEST-----
MIICXzCCAUCcCAQAwHDEaMBGGA1UEAwWRdHJ1ZUJyb2tld9
NdXN0ZXIwggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAwggEKA
oIBAQCmhUq/xJIQ2hpzZFyYqYmkjaTn7JL74Ken//XWWjD9eIVb
8oBIIkf9sMytFWxOyOT87gGGqHYqhM3t4LWcwWtpBN4YtcSz9H
t+BSA4e4s6kPxSZdwoV4R2tu0HMM/zfxvPQBTX/kOPTMboaAfb
xm1eyaOjGugtZQm21Z6bxbflkLGDjn9bmindEBjOzq35IOWIXM9
RADII5XW27CEkPDMPEDHqERXm+mbctKAYCzYku3WKfZEUZ
E0rctrQGIM2vgxaMYvcO9rVacBZaroRK4Bk46I7sU5nLpIR5iJglx
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.

6.6. 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



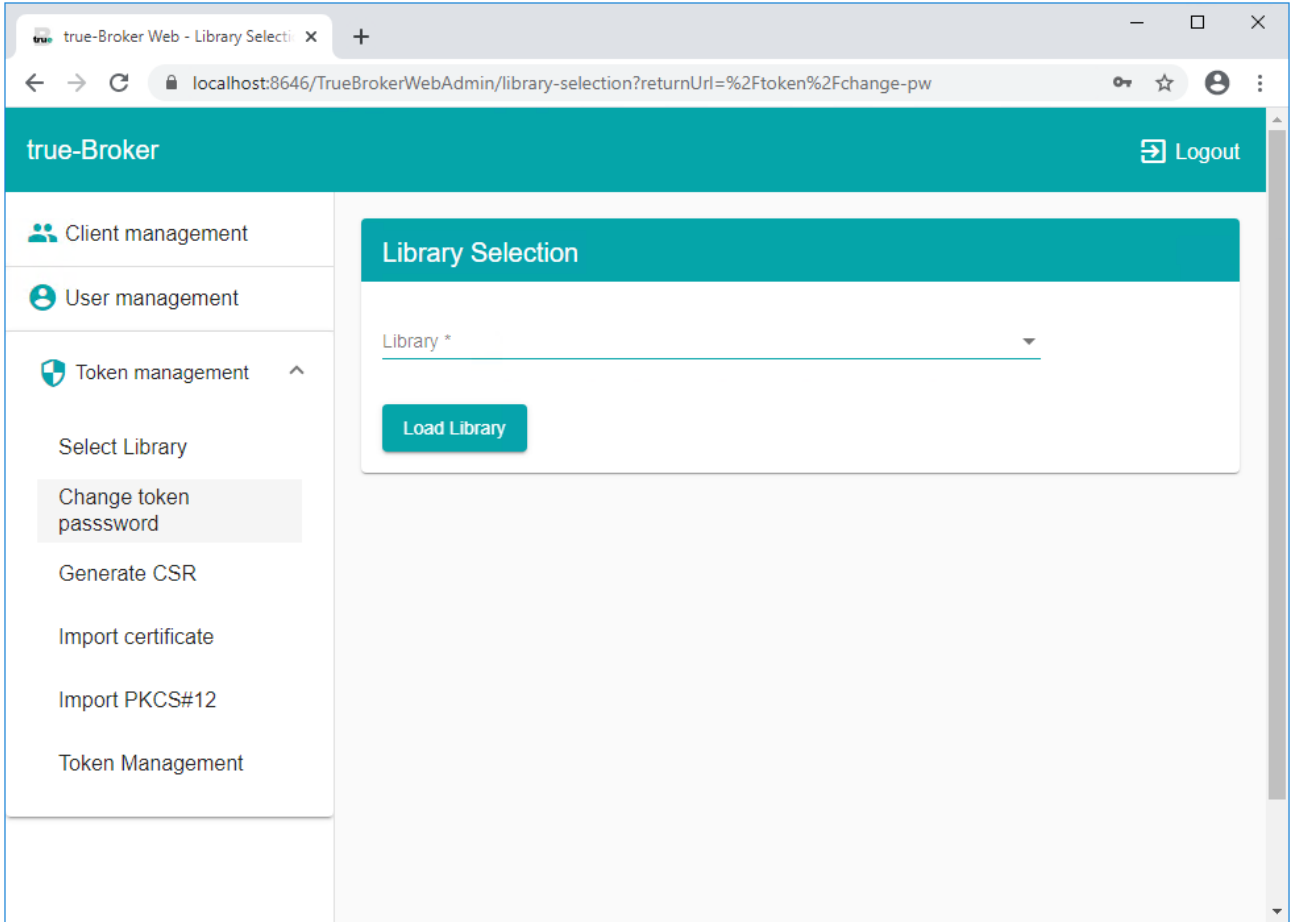
Choose a file or drag it here

Browse for file

cert_testCsrForTrueBroker.pem upload failed.

6.7. 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 form 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

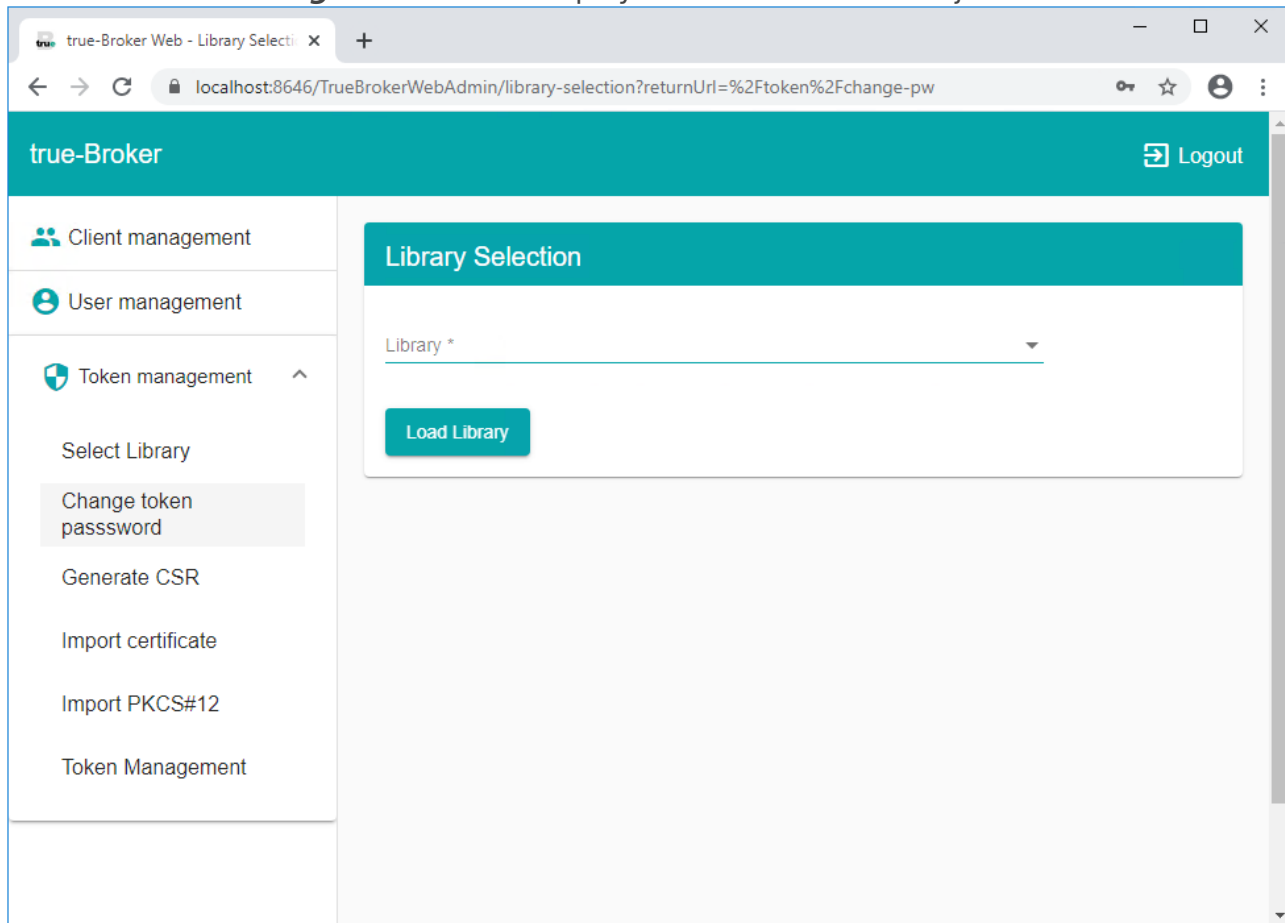
PKCS 12 Password *

File upload completed

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

6.8. 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". The left sidebar has a "Token management" section expanded, showing several options. The main content area is titled "Library Selection" and features a dropdown menu labeled "Library *" 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 form 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

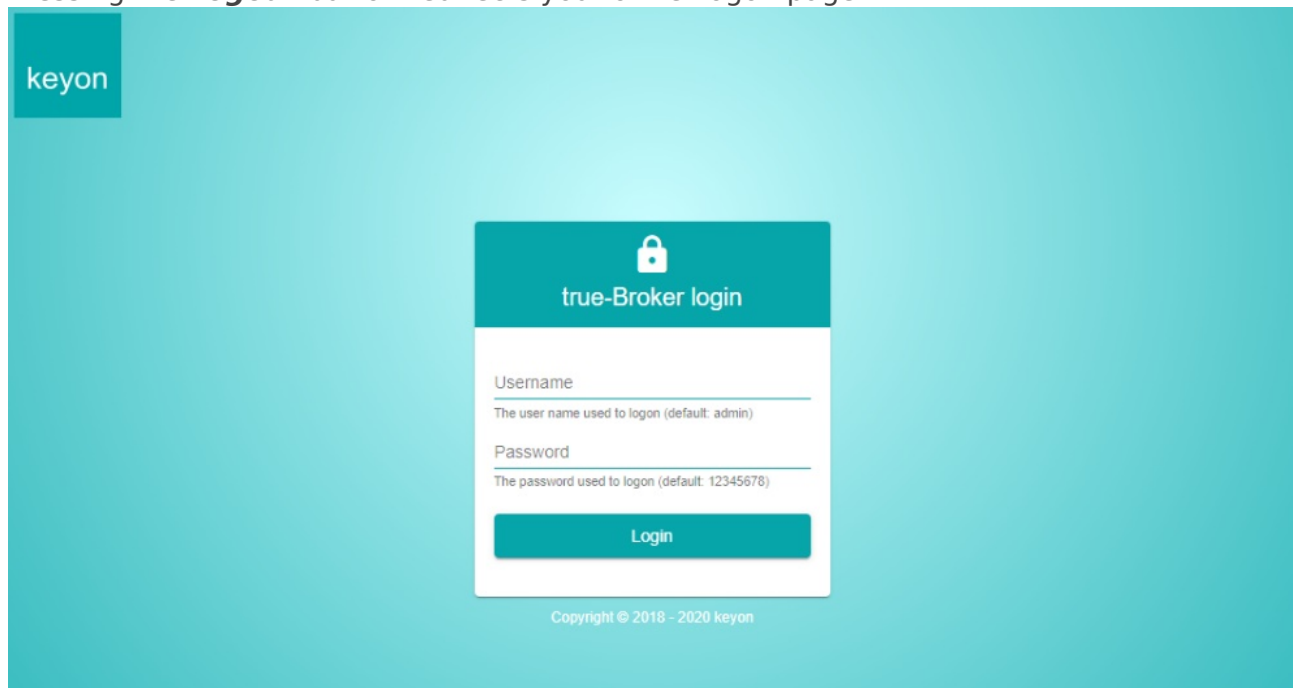
The table shows the objects stored on the token. The objects may be a certificate, private or public key. You may delete unused objects from the token. You cannot delete objects that are used by a client security configuration.

6.9. 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.

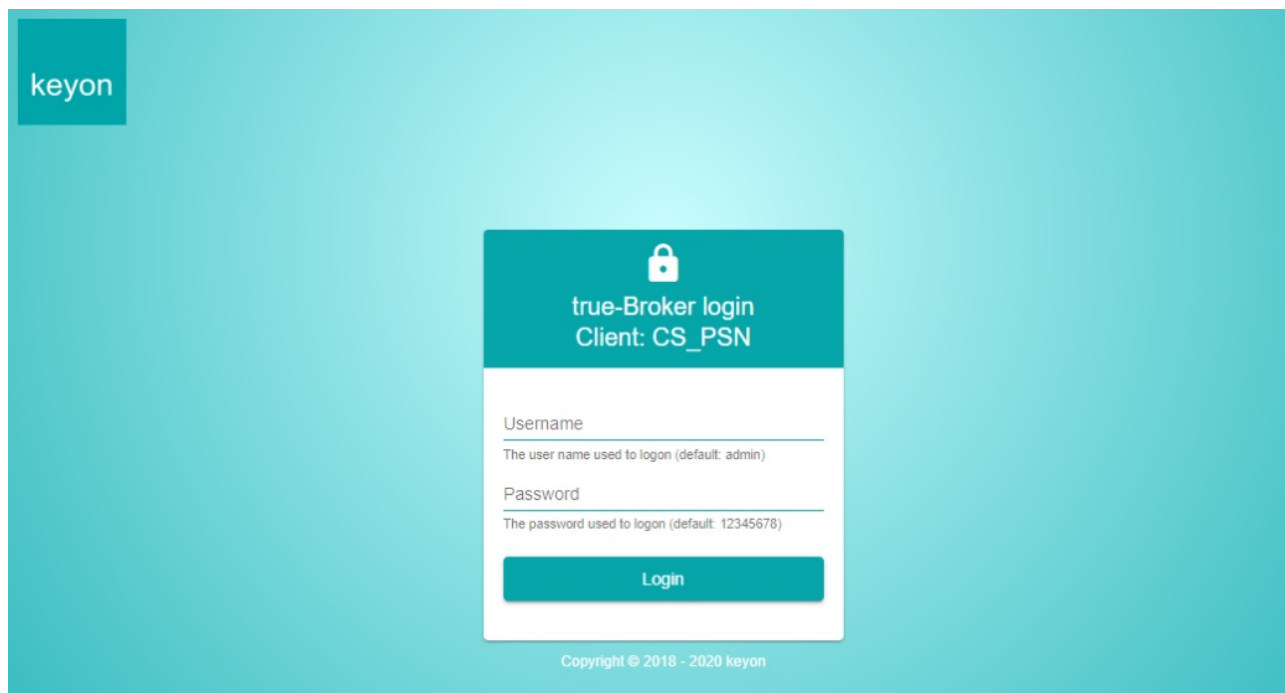


The image shows a screenshot of the 'true-Broker login' page. The page has a teal background. In the top left corner, there is a teal box with the word 'keyon' in white. In the center, there is a white login form with a teal header that says 'true-Broker login' and a lock icon. The form contains two 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'.

7. 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.

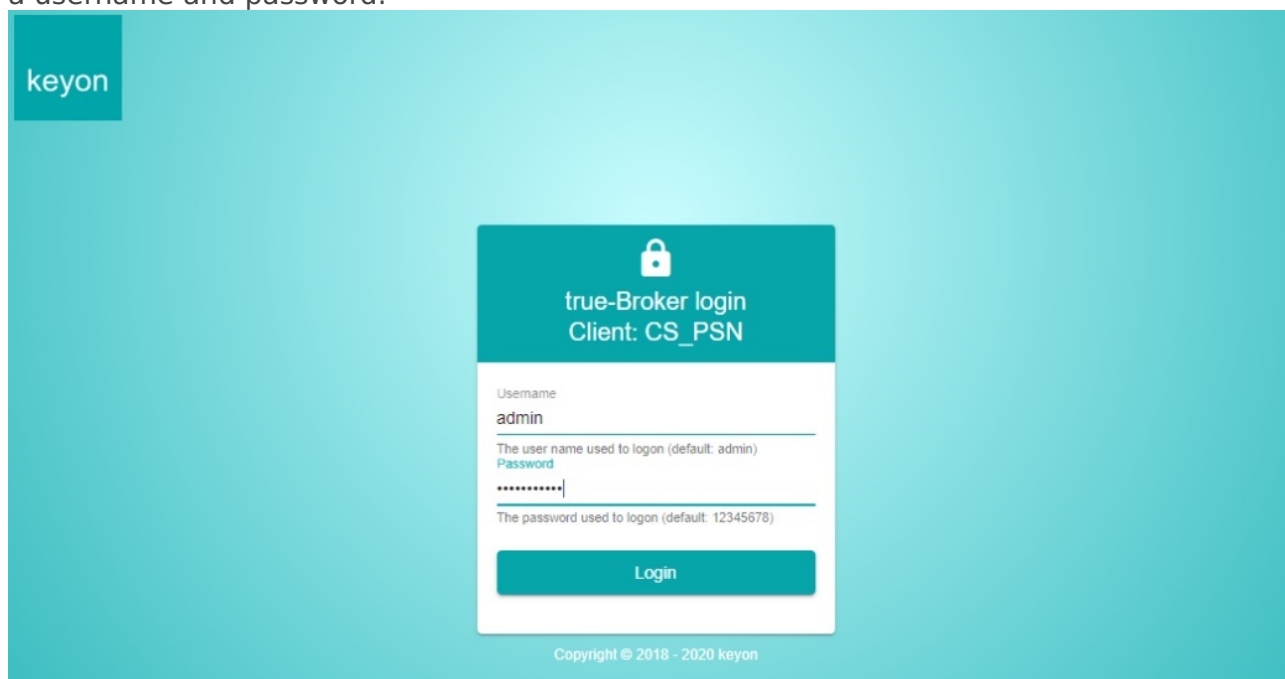
The true-Broker Web application must be created using the true-Broker Web Administration application. The URL to access true-Broker Web may be selected using the Logon page of true-Broker Web Administration.



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

7.1. 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.

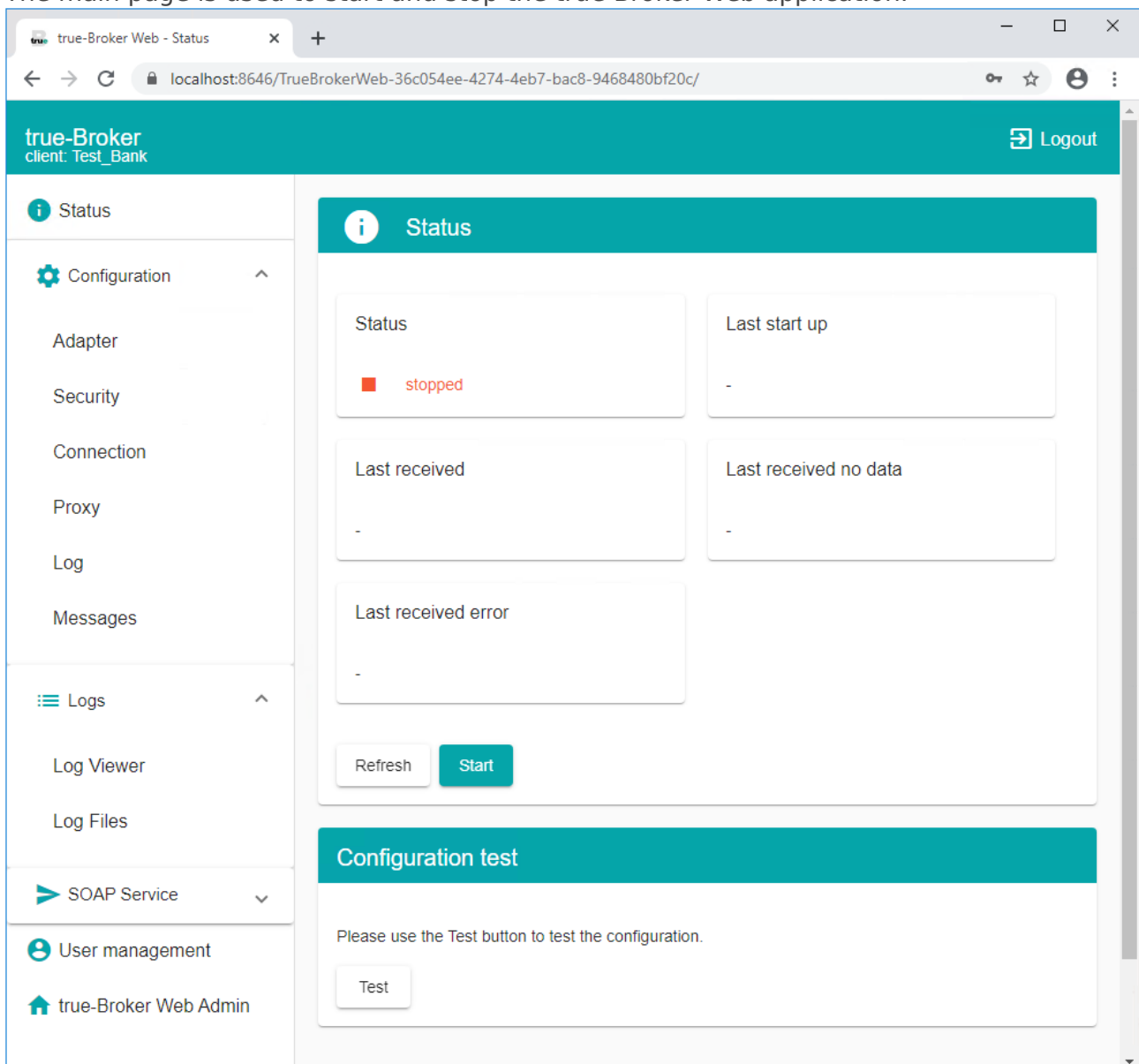
Ein Bild, das Text, Screenshot, Schrift, Zahl enthält. KI-generierte Inhalte können fehlerhaft sein.

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

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

7.2. 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.

 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.

 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.

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.

7.3. 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 *

/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.

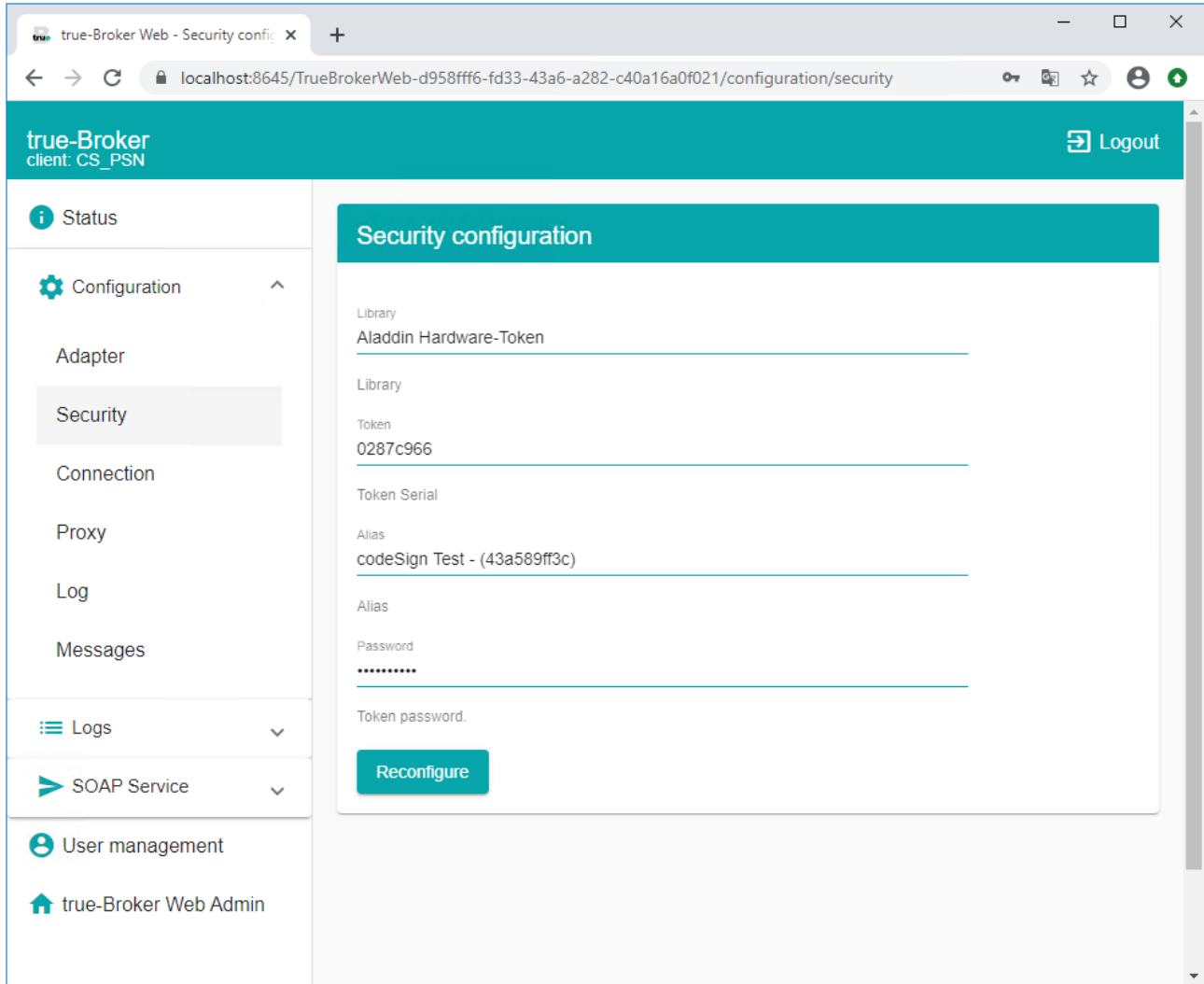
If the inbox directory as well as the copy receiver directory are network directories, the same user must be used to login to both.

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.

7.4. Security configuration page

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



The screenshot shows a web browser window with the URL `localhost:8645/TrueBrokerWeb-d958fff6-fd33-43a6-a282-c40a16a0f021/configuration/security`. The page title is "true-Broker Web - Security configuration". The left sidebar contains a navigation menu with the following 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	

Name	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.comMBAACiIDAiMAcCA1UdDwQEAwIHgDATBcNVHSEDDAKBggBq
```