

Apparo Fast Edit

Installation Guide

3.1.1

For **Windows Server** / Standalone version



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1 Prior to Installation

Installing Apparo Fast Edit can be done in 30 minutes if you prepare your environment.

Please be aware of the following points before starting installation:

1.1 Hardware requirements

File system: about 900 MB
Main Memory: about 1000 MB

1.2 Supported operating systems

- Windows 2016
- Windows 2012/2012 R2
- Windows 2008 R2
- Windows 2008 (64 Bit only)

1.3 Supported Web Server

- MS Internet Information Server (IIS), 32 and 64 bit Application Pool
- Apache web server 2.4

Apache 2.4 is already part of the installation package and be installed optionally.

Apparo Fast Edit must be installed with using a **Windows Administrator** account.

This version is running only on the *Apache Tomcat 7 Application Server*.
This Tomcat server will be installed automatically.

1.4 Supported virtual environments

- VMware ESX/ESXi
- VMware Player

Apparo Fast Edit must be installed using a **Windows administrator** account.

1.5 Architecture

Possible Apparo Fast Edit architectures:

<p>1</p>	<p>Single Instance, the complete Apparo Fast Edit including web server is installed on <u>one computer only – that’s suitable for testing</u></p> <p>A „Single Instance“ is useful for small environments or test systems.</p>
<p>2</p>	<p>Multi Instance, one or more Web servers and one or more Apparo Application Servers are installed on one or more hosts.</p> <p>A „Multi Instance“ is useful for better performance and high availability.</p> <p>If you want to use your own Web Server then you must select this architecture.</p>

You can find an Apparo Fast Edit architecture document in the setup file too.

This document is describing the installation and configuration of a Single Instance.

You can find a document “Installation cluster” for Multi Instance too.

1.6 Overview installation steps

<p>1</p>	<p>Preparation</p> <ul style="list-style-type: none"> • Creation of an database user for the Apparo repository • Defining the security group for all users that must be able to open the Apparo environment with full access
<p>2</p>	<p>Installation Starting setup file for installation of the files</p>
<p>3</p>	<p>Configuration the Apparo Application Server Using Apparo Configuration Manager to configure the installation</p>
<p>4</p>	<p>Starting Apparo Portal Open URL</p>
<p>5</p>	<p>Installing client and languages Installing a new client and languages in Apparo Designer</p>

2 Preparation

<p>1</p>	<p>Preparation</p> <ul style="list-style-type: none"> • Creation of a database user for the Apparo repository • Defining the security group for all users that must be able to open the Apparo environment with full access
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2.1 Creation of a database user for the Apparo repository

Apparo Fast Edit requires a Database Repository. In this repository all of your definitions are stored.

Following databases are supported:

- Oracle 10g-12c
- IBM DB/2 9-11.1
- MS SQL Server 2008-2016
- Internal database (for test systems only)

This database user must be set up before starting the Apparo Fast Edit setup.

You can find a detail description in the document “Installation – creating database repository”.

Essential grants:

- The database user must be able to create database tables
- A login with this user must be possible

Hints:

- **Oracle:** Database user should have CONNECT, RESOURCE and UNLIMITED TABLESPACE grants. User **SYS** is not allowed.
- **IBM DB/2:** see document “Installation - creating database repository”

2.2 Defining the security group

Apparo Fast Edit can use following security systems:

- **LDAP**
- **MS Active Directory (including Single Sign On)**

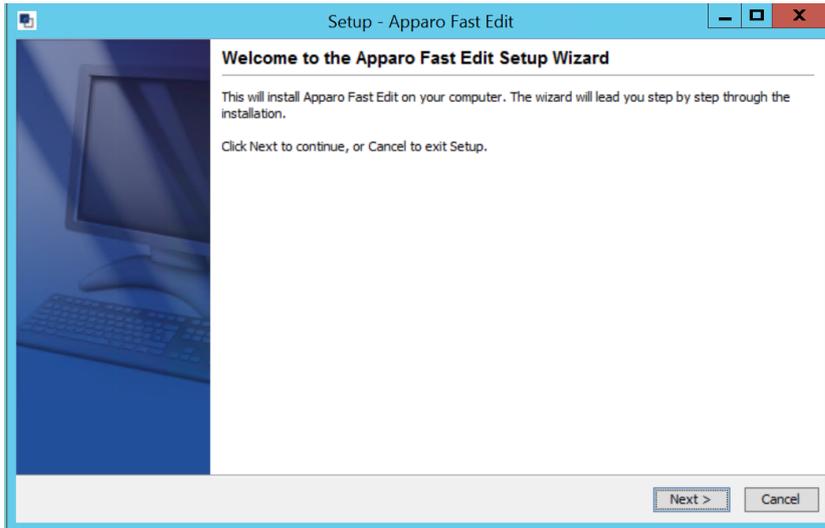
A user group is necessary that has full access to the Apparo environment.

Therefore it's necessary to define a new group with the name "**Apparo Administrators**" (for example) in your security system first.

3 Installation

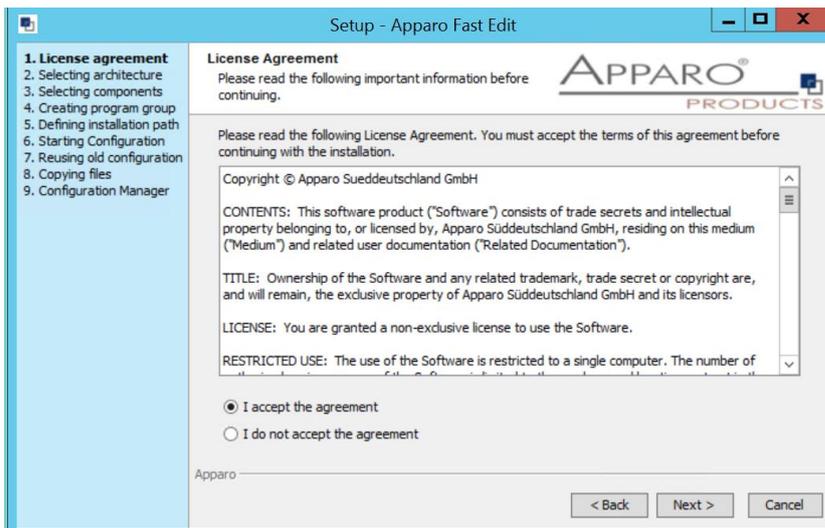
1	<p>Preparation</p> <ul style="list-style-type: none"> • Creation of a database user for the Apparo repository • Defining the security group for all users that must be able to open the Apparo environment with full access
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Start the installation by executing the file



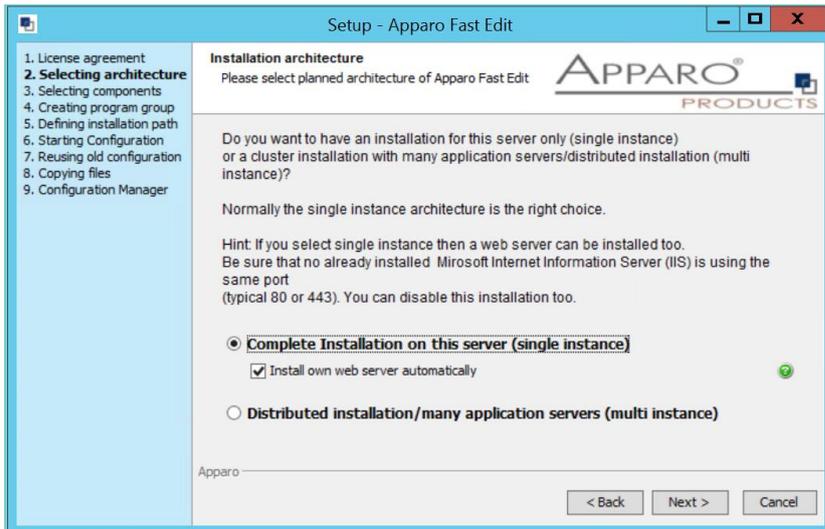
Confirm the beginning of the installation by clicking „Next“.

3.1 License agreement

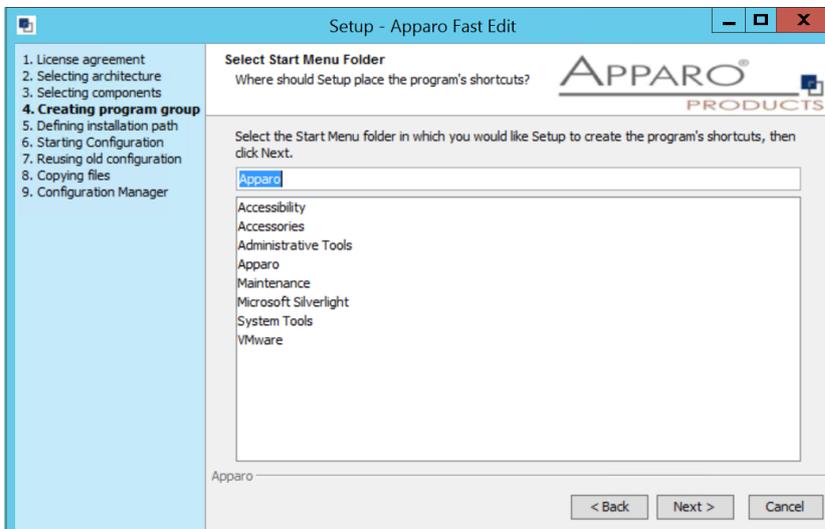


Read and confirm the license agreement by clicking „Next“.

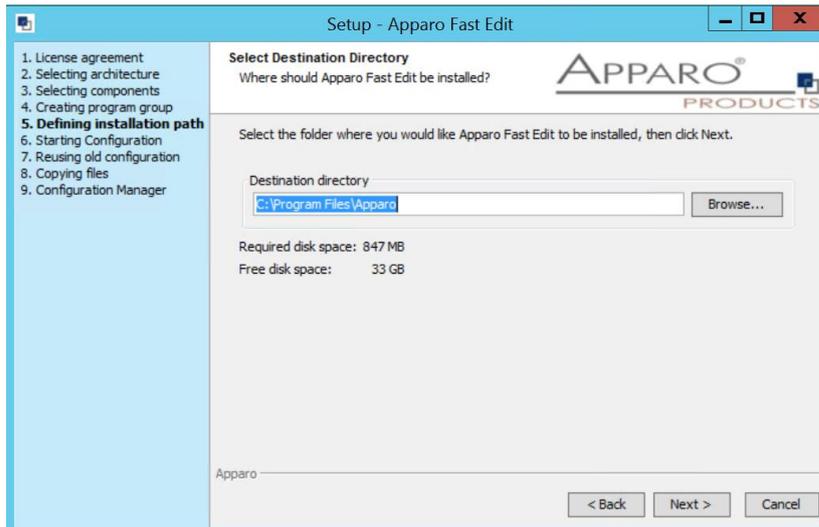
3.2 Selecting the architecture



Please select “Single Instance” and choose „Next>“.



3.3 Defining the target file directory

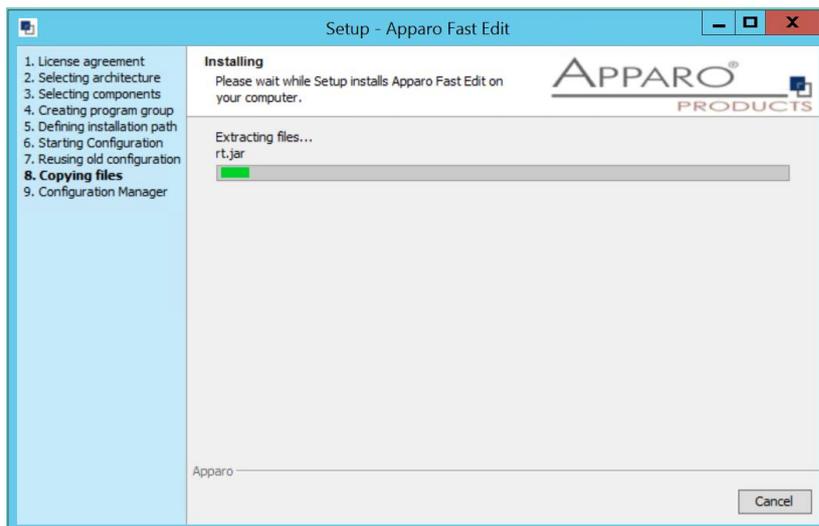


Default file directory:

C:\Program Files\Apparo

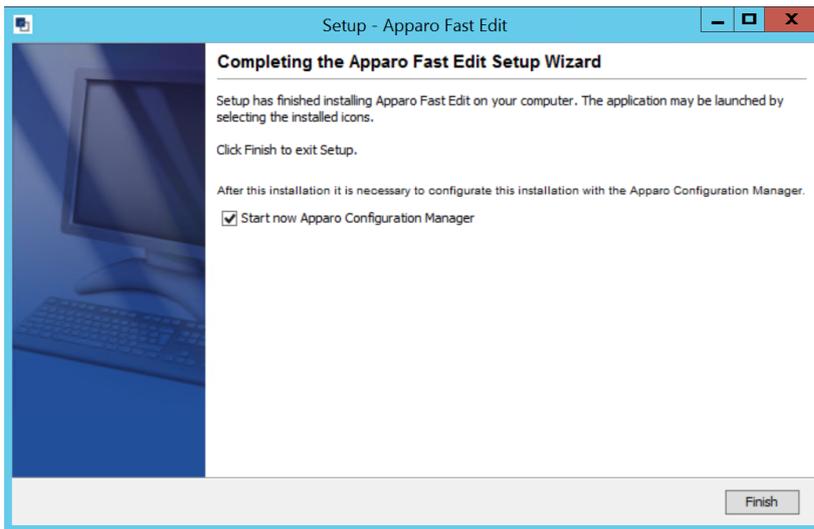
3.4 Carrying out the installation

Finally the installation of Apparo Fast Edit with the selected architecture will be installed.



After that this installation must be configured with the **Apparo Configuration Manager**.

3.5 Installation finish



Now it's time to **configure** the installation with the **Apparo Configuration Manager**.

Click „**Finish**“ for completing the installation and to start the configuration.

4 Configuration

<p>1</p>	<p>Preparation</p> <ul style="list-style-type: none"> • Creation of a database user for the Apparo repository • Defining the security group for all users that must be able to open the Apparo environment with full access
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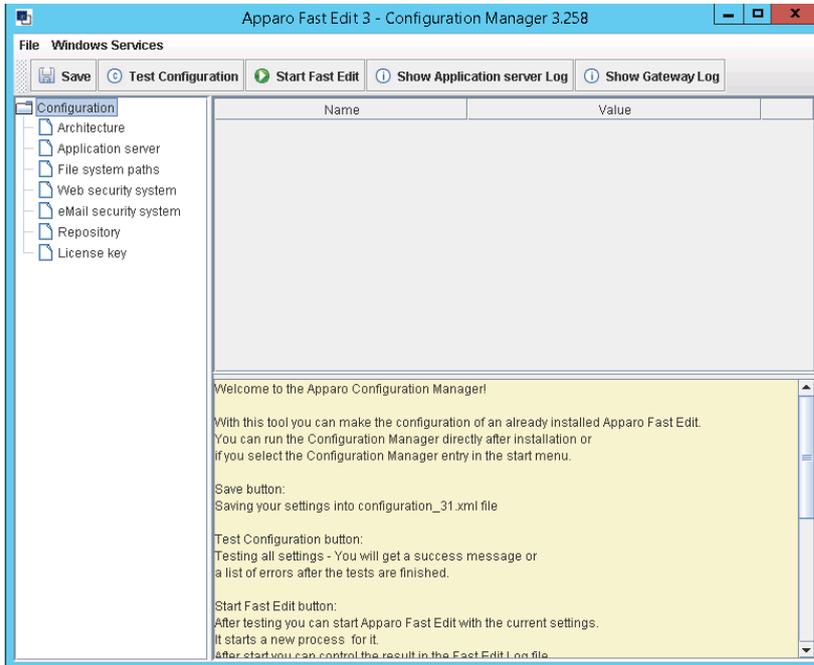
With the Apparo Configuration Manager you are able to configure the already installed Apparo Fast Edit.

You can now configure for the selected architecture all necessary settings.

The settings are grouped into chapters (left side).

For each setting you can read a helpful description text in the yellow box.

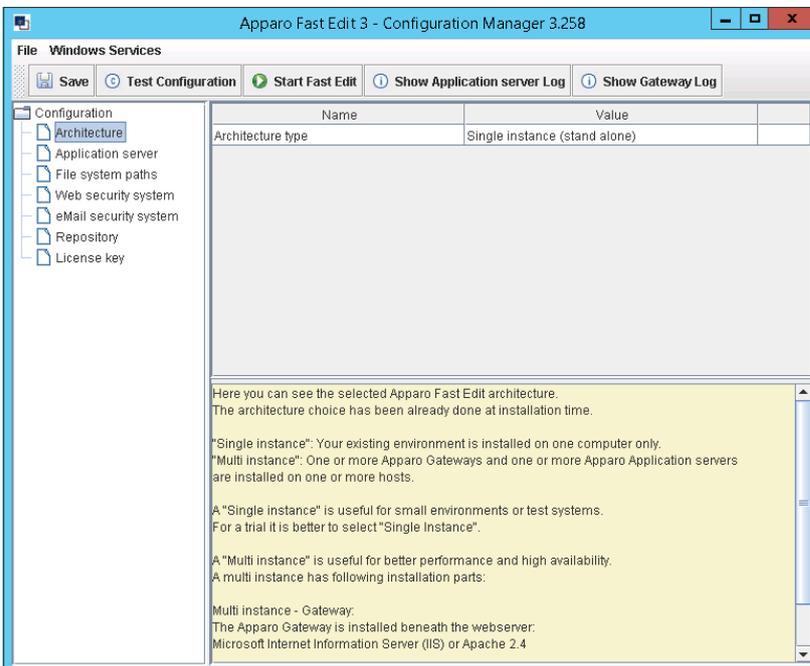
After you have defined all settings you must press the **Deploy settings** button and start Apparo Fast Edit with “Start Fast Edit” button.



4.1 Architecture

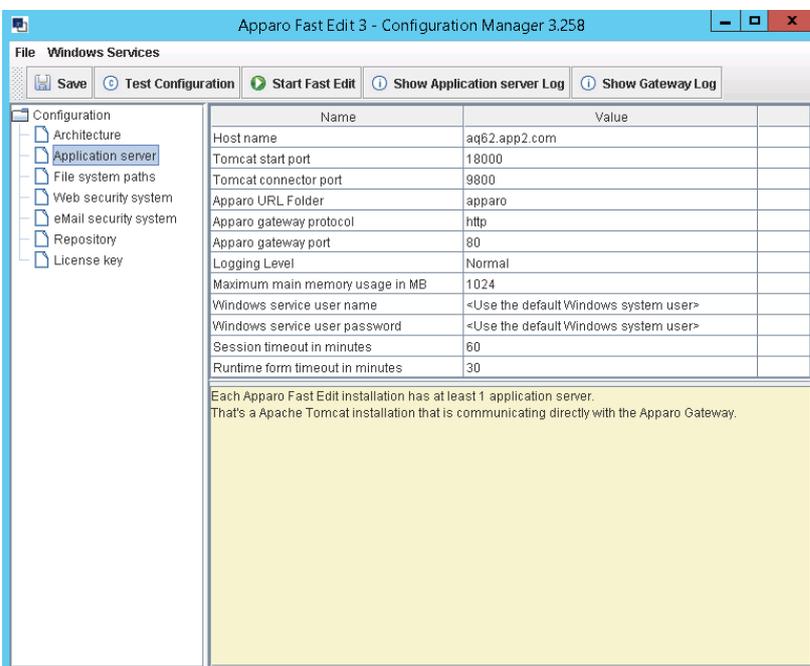
The architecture can be “Single instance” (complete Apparo Fast Edit is installed on one server including the web server”).

“Multi instance”: The Apparo Gateway is installed parallel to the web server and the application server(s) are installed on another server.



4.2 Application server

The settings for the Tomcat application server, like memory, ports etc.

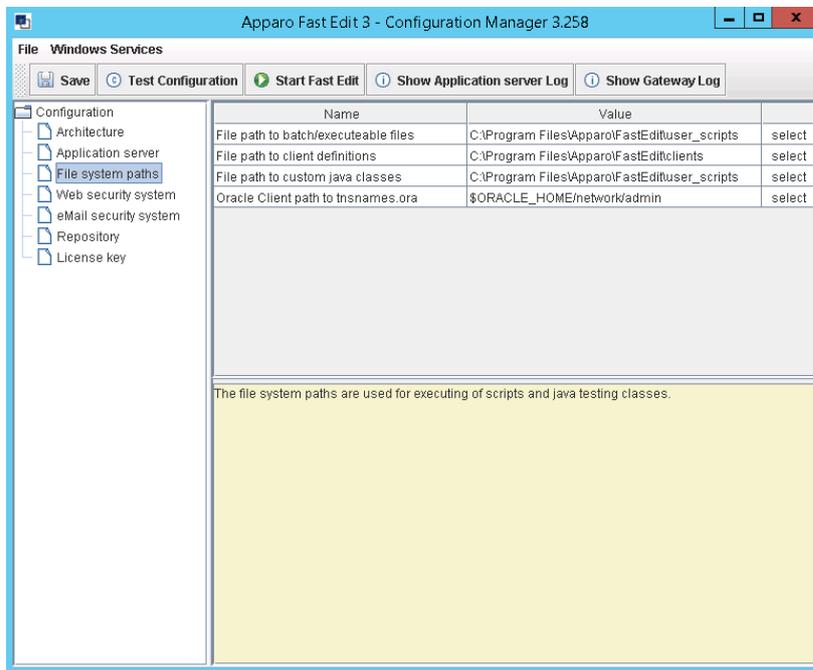


4.3 File system paths

With the file systems paths you can define the place for storing batch files that can be called from a Business Case or Java test classes for data quality checks.

The client file directory is used for storing all client information.

Using an Oracle client it is necessary to define the place of the tnsnames.ora file.



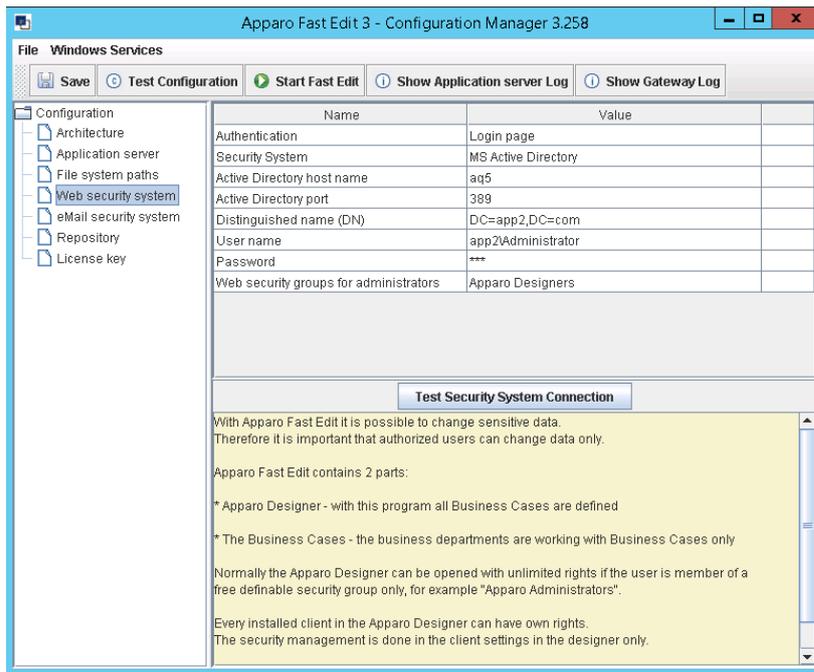
4.4 Web Security system

Normally Apparo Fast Edit is integrated in a Windows domain environment. That means the MS Active Directory server knows all user logins and their groups.

To be able to use a MS Active Directory server it is necessary to define the DN, the search user (normally Administrator) and its password.

In this example the Windows domain has the name "APP2" or "app2.com" Therefore the Distinguished name is "DC=app2, DC=com".

User name: Please use the domain name too, e.g. APP2\Administrator



Setting "Web security groups for administrators":

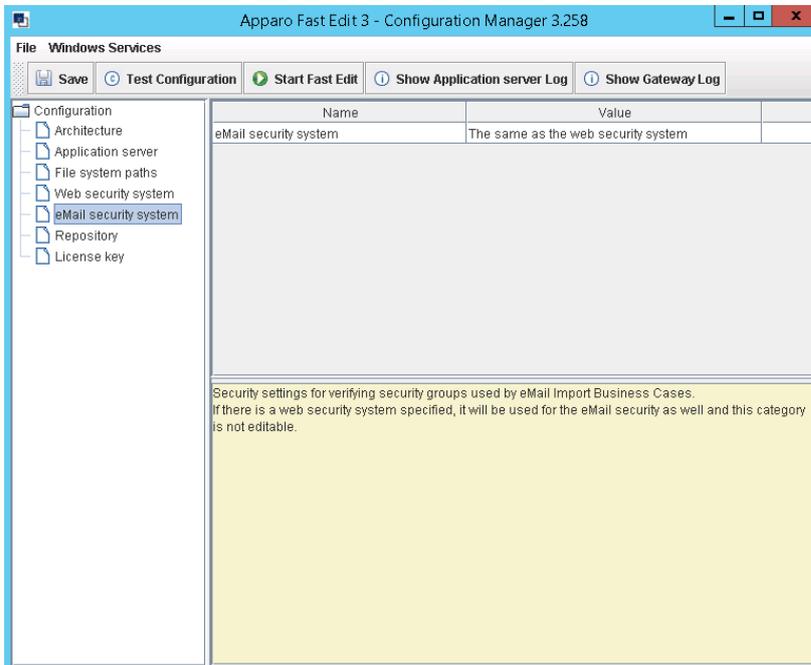
If a user is member of the security group that is here defined then this user has **full access** and can see and change the content of all clients in the Apparo Designer.

If this setting remains **empty** then everybody has **full access**.

Here you can enter for example the group name "Apparo Administrators".

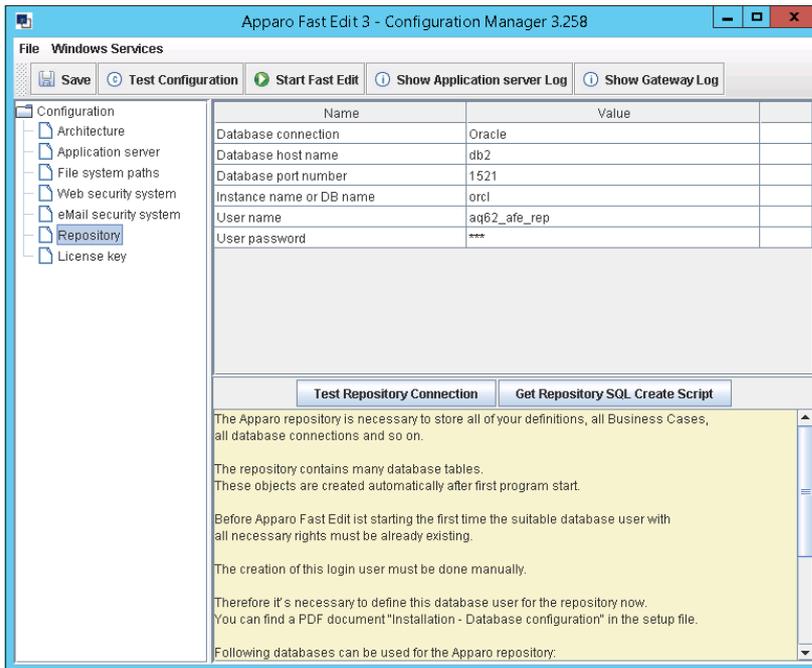
4.5 eMail security system

An eMail Excel Import Business Case can import data of Excel files that are delivered using an eMail. It is possible to restrict the usage for member of security groups only. Apparo Fast Edit is using in this case following security system:



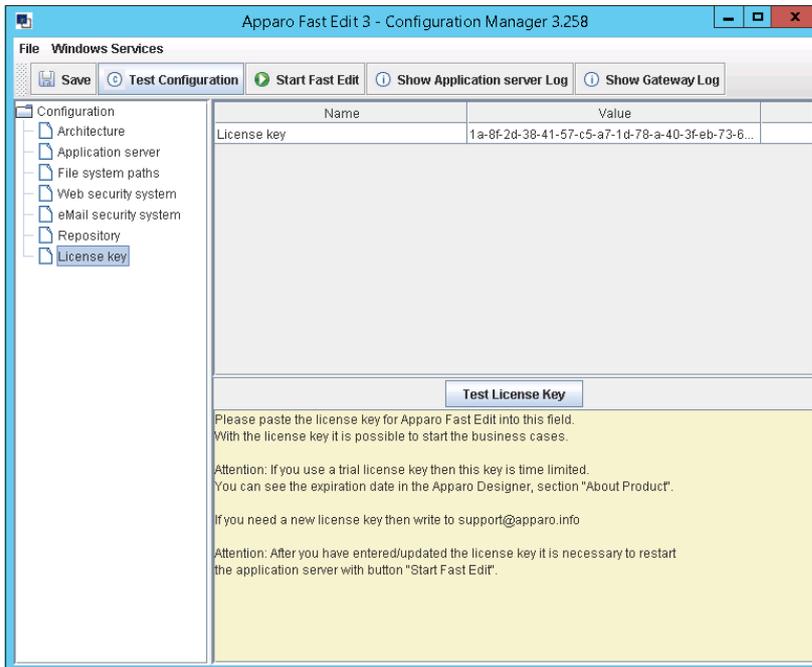
4.6 Repository

In the database repository all Business Case definitions are stored.



4.7 License key

You must copy your license key into this setting.



4.8 Testing configuration

Apparo Fast Edit is running if you can see following message in the Log file:

```
+++++  
+ Apparo Fast Edit 3.1.x.x was successfully started at <Start time and date>  
+++++
```

Test of an Apparo Application Servers without using an Apparo Gateway:

http://<application server:<startport>/apparo/pages/apptest.xhtml

Example: <http://server1:18000/apparo/pages/apptest.xhtml>

With this URL you can test if the Apparo Application Server is running fine or has problems.

5 Starting Apparo Portal

1	<p>Preparation</p> <ul style="list-style-type: none"> • Creation of a database user for the Apparo repository • Defining the security group for all users that must be able to open the Apparo Designer with full access
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The URL for opening the Apparo Portal:

<http://servername/apparo>

or just (if using the web server that is part of the Apparo setup):

<http://servername>

Hint: If you have changed the folder name in the Apparo Configuration Manager then you must use this name instead of "apparo".

If you have changed the Apparo gateway protocol to https then you must use https.

Opening the Apparo Designer:

<http://servername/apparo/designer>

Example:

<https://aqserver11/apparo>

Now try to start the Apparo Portal – just **use the link in your web browser.**

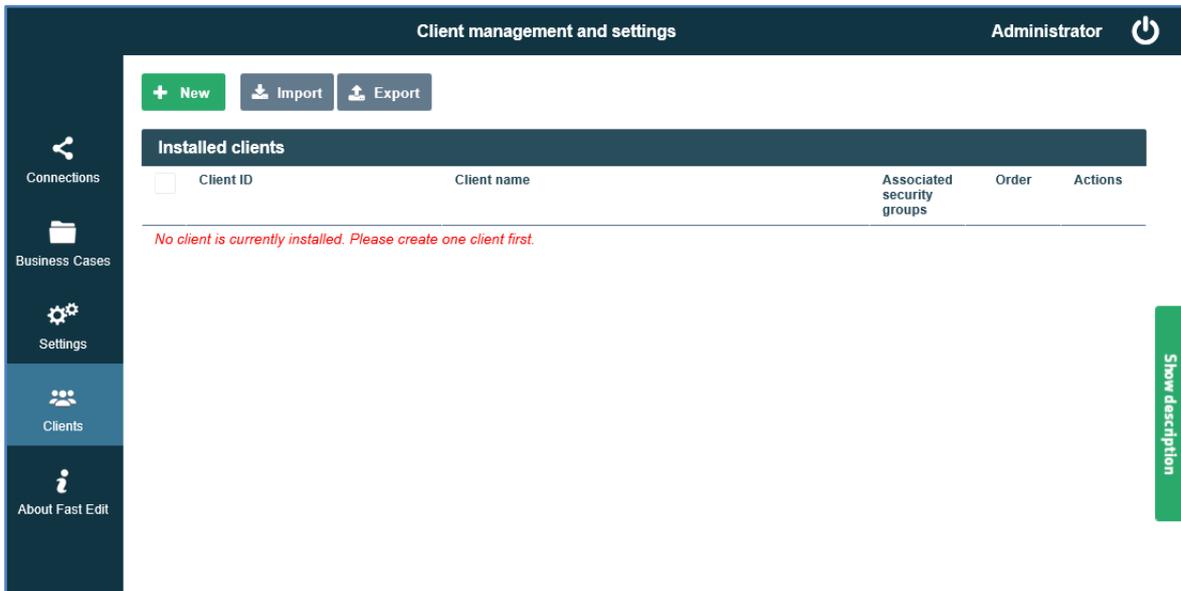
The following window should open if the repository is empty:

The screenshot displays the 'Client management and settings' interface. At the top right, it shows the user role 'Administrator' and a power icon. Below the header, there are three buttons: '+ New' (green), 'Import' (grey), and 'Export' (grey). The main content area is titled 'Installed clients' and contains a table with the following columns: Client ID, Client name, Associated security groups, Order, and Actions. The table is currently empty, and a red message below the header reads: 'No client is currently installed. Please create one client first.' On the left side, there is a vertical navigation menu with icons and labels for 'Connections', 'Business Cases', 'Settings', 'Clients' (highlighted), and 'About Fast Edit'. On the right side, there is a vertical green button labeled 'Show description'.

5.1 Installation client and languages

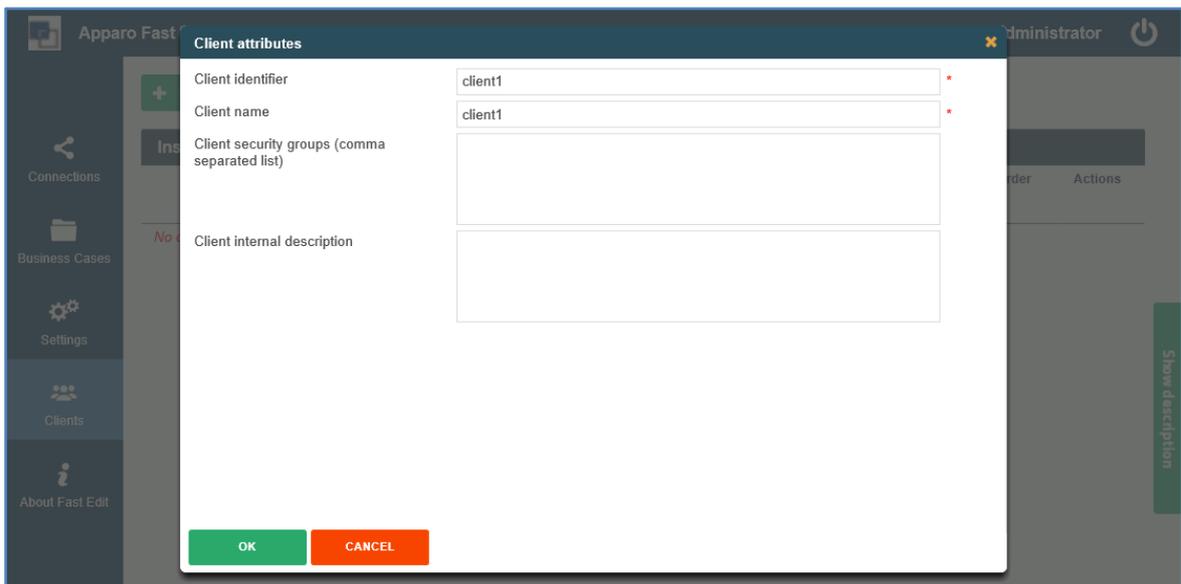
<p>1</p>	<p>Preparation</p> <ul style="list-style-type: none"> • Creation of an database user for the Apparo repository • Defining the security group for all users that must be able to open the Apparo Designer with full access
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Now it is necessary to install a client and all necessary languages.



Please select “Show description” button on the right side to see descriptions for each feature.

Press the “**New**” button and create a new client.



Define a client identifier and a name and press the **OK** button.

Apparo Fast Edit Client management and settings Administrator client1 Go to Portal

+ New Import Export

Installed clients

<input type="checkbox"/>	Client ID	Client name	Associated security groups	Order	Actions
<input type="checkbox"/>	> client1	> client1		↓ ↑	✕

Connections
Business Cases
Settings
Clients
About Fast Edit

Show description

Now select the client (here: client1) to get the properties of the client:

Apparo Fast Edit Settings of client client1 Administrator client1

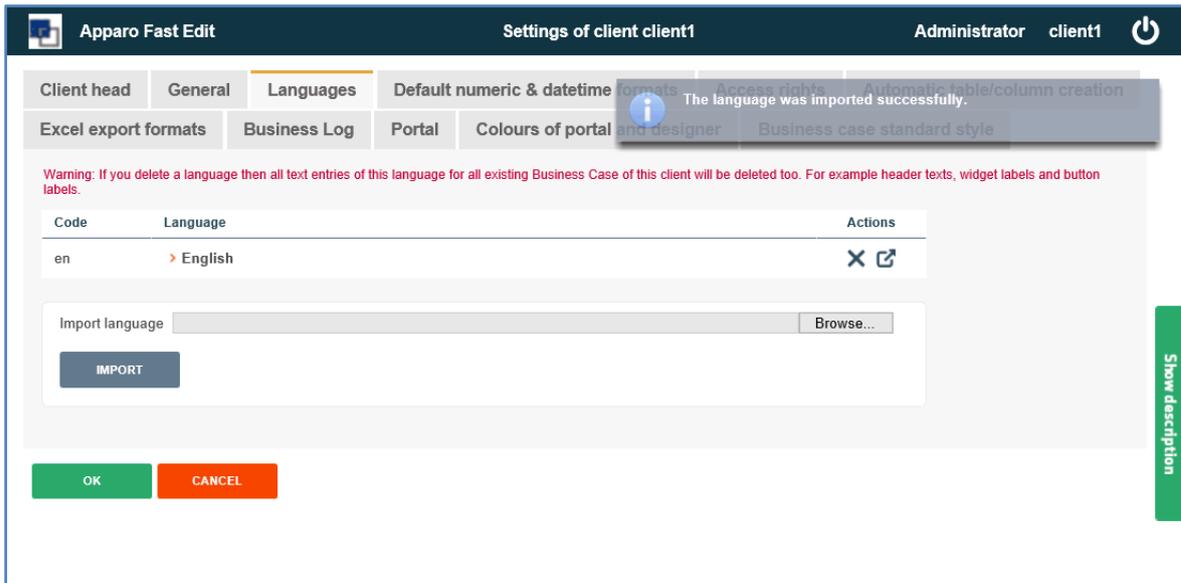
Client head General Languages Default numeric & datetime formats Access rights Automatic table/column creation
Excel export formats Business Log Portal Colours of portal and designer Business case standard style

Client identifier client1
Client name client1
Client security groups (comma separated list)
Client internal description

OK CANCEL

Show description

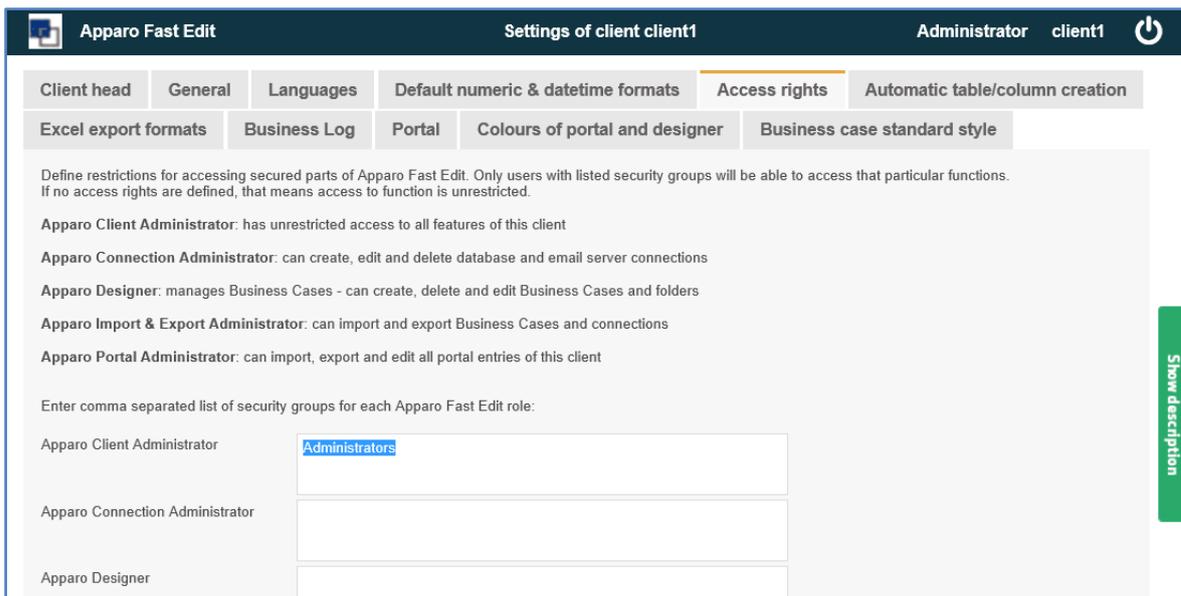
In tab “Languages” you can load all necessary languages for this client:



You will find the language files in [Apparo-Home]/Fast Edit /languages
Please select the right language and press the IMPORT button.

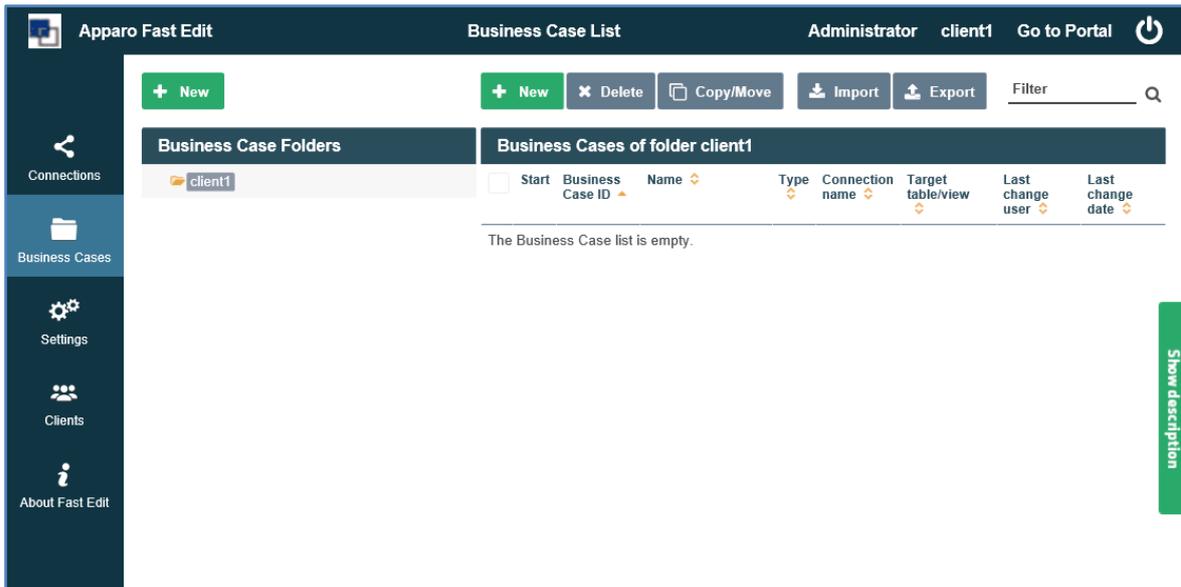
In tab “Access rights” you can define all **security groups for different features.**

These settings are optional.



After that please press the OK for leaving the client settings.

Now you can press the “Business Cases” Icon on the left side and you see the entry page for this client:



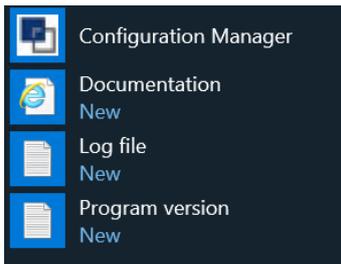
The installation & configuration on serverside is now successfully completed.

Please also read the following chapter ‘Browser requirements’.

We recommend to read the document “**Training Guide**” for the fundamental usage for the first steps.

You can find all documentations and movies in

Windows Start (left corner) / Apparo / Documentation



Movies about Apparo Fast Edit:

<http://movies.apparo.solutions>

6 Configuration Manager using command line

It is possible to automate the configuration process of the Configuration Manager.

The complete configuration is stored in the file **configuration.xml**

You can find this file in the [APPARO_HOME]/FastEdit/cm file directory.

Using this command line the configuration can be restored:

```
[APPARO_HOME]/FastEdit/cm/cmc.sh parameter1 parameter2 ...
```

Parameter name	Functionality
-?,--help	Displays this help text
-deploy true/false	Configuration Manager will deploy the setting files
-start true/false	Start Apparo Fast Edit (if no gateway)

7 Import/Export definitions using command line

You can export and import clients (including languages, folder, Business Cases, connections, DB-messages), Business Cases, folder and connections using scripts.

7.1 Importing definitions

The import program is stored in the file directory "import": [APPARO_HOME]\FastEdit\import

Use script **afe-import.bat** (If you start the script without arguments then you see the possible arguments)

-afeUrl <URL>	The Apparo Fast Edit URL address that will export the data. Example: http://localhost:18000/KFE. If you don't use this argument then the export is using the application server of this installation and its installation port.
-clientId <CLIENT_ID>	ID of a client that Business Cases, language definitions, database messages or connection definitions will be imported into.
-f <FILE>	The file that contains the client, Business Case, language definition, database messages or connection definitions.
-h	Displays this help text
-importSecurity <true false>	Business cases and folders may contain a list of user groups defining who can access them. If this option is set to false, such security information will not be imported.
-overwriteBc <true false>	If true then Business Cases from the import file will overwrite already existing Business Cases if their Business Case ID are the same. If false, Business Cases with such conflicting identifiers will be skipped.
-overwriteClient <true false>	If true then clients from the import file will overwrite already existing clients with the same identifiers including client content like Business Cases. If false then clients with such conflicting identifiers will be skipped.
-overwriteConnection <true false>	If true then database and email connections from the import file will overwrite already existing connections with the same names. If false then connections with such conflicting names will be skipped.
-p <password>	The password used to authenticate. This setting is necessary in a secured environment.
-u <username>	The user used to authenticate. This setting is necessary in a secured environment.

All import activities are logged server side in file directory logs, file afeimport.log

Sample: **afe-import.bat -f \etc\definition.xml -u aferep -p aferep -clientId Sales**

7.2 Exporting definitions

The export program is stored in the file directory “export”: [APPARO_HOME]\FastEdit\export

Use script **afe-export.bat**

If you start the script without arguments then you can see the possible arguments:

-afeUrl <URL>	The Apparo Fast Edit URL address that will export the data. Example: http://localhost:18000/KFE. If you don't use this argument then the export is using the application server of this installation and its installation port.
-bcid <BUSINESS_CASE_ID>	ID of a Business Case you want to export.
-clientId <CLIENT_ID>	ID of a client you either want to export or an ID of a client the target object (Business Case, folder or connection) belongs to.
-dbc <CONN_NAME>	Name of a database connection you want to export.
-emailc <CONN_NAME>	Name of an email connection you want to export.
-f <FILEPATH>	Filename & path where to write the exported XML.
-folderPath <PATH>	Path of a folder you want to export. It should start with a slash character '/' which should also be used as a path separator.
-h	Displays this help text
-p <password>	The password used to authenticate. This setting is necessary in a secured environment.
-u <username>	The user used to authenticate. This setting is necessary in a secured environment.

All export activities are logged server side in file directory logs, file afeexport.log

Sample: **afe-export.bat -f \etc\definition.xml -clientId DemoClient**

8 Making own XML import files

You can import Database connection and email connection definitions using own xml files.

These files have encrypted settings – like database name.

If you want to write your own xml files then you must change following XML-setting first:

Set

```
<encryptedXmlData>true</encryptedXmlData>
```

To

```
<encryptedXmlData>false</encryptedXmlData>
```

Example:

1. Define own database connection in Apparo Designer
2. Export this connection into a xml file
3. Now you can see the expected xml structure
4. Please change the encryptedXMLData tag

9 Browser requirements

9.1 Supported browsers and versions

Microsoft Internet Explorer 8 (not recommended, execution is slow)
 Microsoft Internet Explorer 9
 Microsoft Internet Explorer 10
 Microsoft Internet Explorer 11

Hint: Compatibility mode for Internet Explorer 8 must be disabled.

Mozilla Firefox (current version)
 Google Chrome (current version)
 Apple Safari (current version)

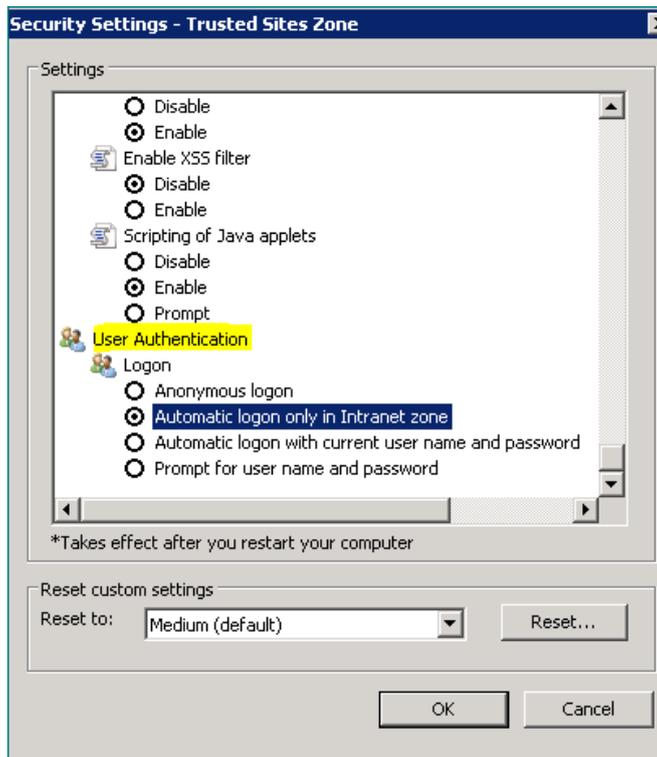
9.2 Supported operating systems for client browsers

Microsoft Windows

9.3 Additional settings for Microsoft Internet Explorer only

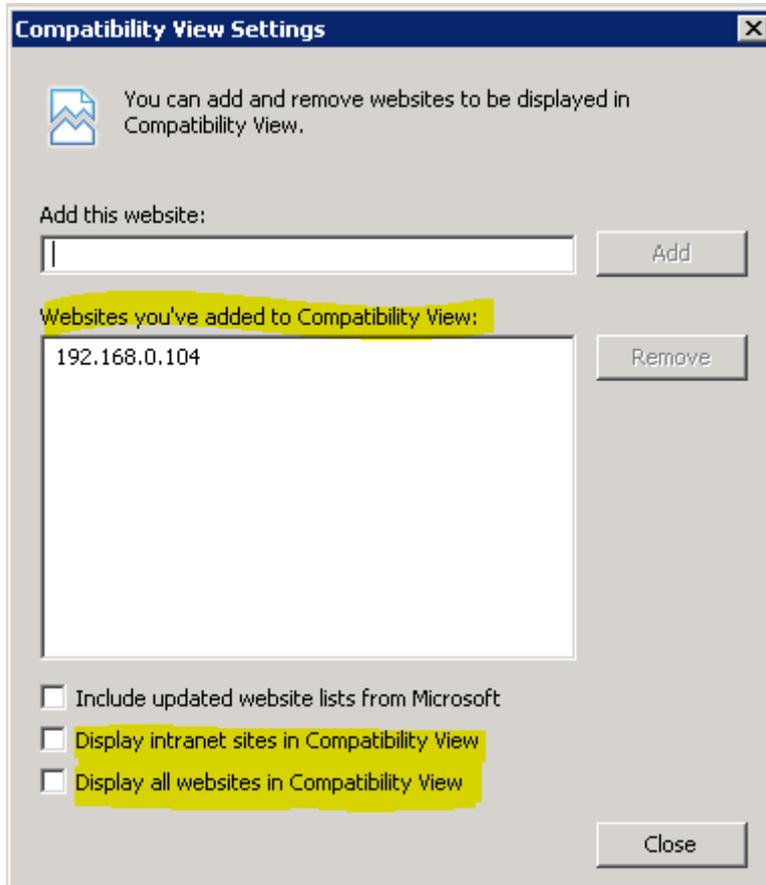
- Domain name of Apparo Fast Edit web server must be in trusted sites
- “about:blank” must be in trusted sites

Settings for Single Sign On (SSO) for standalone versions of Apparo Fast Edit:



Hint: Apparo Fast Edit is not supporting Internet Explorer 7.

Therefore the settings “**Display intranet in Compatibility View**” and “**Display all websites in Compatibility View**” must be **disabled**.



Solution: Placing these domains into the “Websites you’ve added to Compatibility View” because in this case Apparo Fast Edit can disable the Compatibility View automatically.

9.4 Additional settings for all browsers

- Popup blocker must be **disabled**
- File download (Excel files) must be allowed

10 Support

If you need support please write an email to:

support@apparo.solutions