

## Installation Guide

## **Apparo Fast Edit**

## Multi Instance

For Windows 2008 - 2016 / IBM Cognos BI

Version 3.1





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## **1** Prior to Installation

Installing Apparo Fast Edit can be done in 1 hour if you prepare your environment.

Please be aware of the following points before starting installation:

## Hardware requirements

- File system about 800 MB
- Main Memory about 1000 MB

## Supported operating systems

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

## **Supported Cognos versions**

- IBM Cognos BI 10.2 / 10.2.x
- IBM Cognos BI 10.1 / 10.1.1

#### Supported Web servers

- MS Internet Information Server (IIS), 32 and 64 Bit
- Apache 2.2.x and higher

## Supported security systems

• All security systems that are currently in use for IBM Cognos

## Supported virtual environments

- VMware ESX, ESXi
- VMware Player



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

IBM Cognos must be already installed and running.



## 1.1 Installation strategy

Following steps are necessary in this order:

0	Database preparation for Apparo repository Defining a new folder in IBM Cognos Connection for the Apparo Designer entry
2	Installation and configuration of all Apparo application servers
3	Installation and configuration of all Apparo gateway including web servers



## 1.2 Architecture

Possible Apparo Fast Edit architectures:

Single Instance, your existing IBM Cognos environment is installed on 1 one computer only - that's suitable for testing too. A "Single Instance" is useful for small Cognos environments or test systems. Multi Instance, one or more Apparo gateway and one or more 2 Apparo application servers are installed on one or more hosts. A "Multi Instance" is useful for better performance and high availability.

This document is describing the installation and configuration process for a Multi Instance.



0	<ul> <li>Preparation</li> <li>Analysing environment</li> <li>Creation of a database user for the Apparo repository</li> <li>Defining the IBM Cognos Connection folder for the Fast Edit Designer entry</li> <li>Defining the security group for all users that must be able to open the Apparo Designer</li> <li>Defining a new IBM Cognos Connection entry for the Apparo Designer</li> </ul>
2	Installation of all Apparo application servers
3	<b>Configuration of all Apparo application servers</b> Configuration using the Apparo Configuration Manager
4	Installation of all Apparo gateways
5	<b>Configuration of all Apparo gateway</b> Configuration the web servers and the Apparo gateway using the Apparo Configuration Manager
6	Creating the Apparo Designer entry in IBM Cognos Connection Creating the start entry of Apparo Designer
0	Installing clients



## 2 Preparation

0	<ul> <li>Preparation</li> <li>Analysing environment</li> <li>Creation of a database user for the Apparo repository</li> <li>Defining the IBM Cognos Connection folder for the Fast Edit Designer entry</li> <li>Defining the security group for all users that must be able to open the Apparo Designer</li> <li>Defining a new IBM Cognos Connection entry for the Apparo Designer</li> </ul>
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3	<b>Configuration of all Apparo application servers</b> Configuration using the Apparo Configuration Manager
4	Installation of all Apparo gateways
5	<b>Configuration Apparo gateway</b> Configuration the web servers and the Apparo gateway using the Apparo Configuration Manager
6	Creating the Apparo Designer entry in IBM Cognos Connection Creating the start entry of Apparo Designer
0	Installing clients



## 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
- IBM DB/2 LUW
- MS SQL Server
- Internal database (for test and development systems)

This database user must be defined <u>before</u> starting the Apparo Fast Edit setup.

You can find a detail description in the document "Installation – creating database user".

**Essential grants:** 

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



## 2.2 Defining the IBM Cognos Connection folder for the Apparo Designer entry

Create a new folder in IBM Cognos Connection in that you can define the Apparo designer entry later:

Specify a name and description - New Folder Wizard	<u>Help</u>	×
Specify a name and location for this entry. You can also specify a description and screen tip.		
Name:		
Apparo Fast Edit		
Description:		
Screen tip:		
Location:		
Public Folders > Apparo Fast Edit Select another location Select My Folders		
Cancel < Back Next > Finish		

## The searching path is important:

Set properties - Apparo Designe	,	Help 🗡
General <u>Permissions</u> Specify the properties for this entry.		
Type: URL Owner: Administrator Contact: None <u>Set</u>	View the search path, ID and URL Heb X	I View the search path, ID and UF
<ul> <li>Disable this entry</li> <li>Hide this entry</li> </ul>	Search path: /content/folder[@name='Apparo Fast Edit']/URL[@name='Apparo Designer']	
The name, screen tip and descriptior	ID: i61A2DBF799864FB5893AB6A6E6B707AE	
German Name:	Default action URL: /cognos8/cgi-bin/cognos.cgi?b_action=xts.run&m=portal/bridge.xts&c_mode =post&backLink=/content/folder[@name='Apparo Fast Edit']&c_env=/porta I/FastEditDesigner.xml	
Apparo Designer Screen tip:	Close	
URL:	I	
Type a URL that contains an accepta /cognos8/cgi-bin/cognos.cgi?b	ble domain. <u>View acceptable domains</u> _action=xts.run&m=portal/bridge.xts&	×



## 2.3 Preparing an already existing reverse proxy

If the IBM Cognos system is accessible through a **reverse proxy server** then the folder/**KFE**/, e.g. <u>http://servername/KFE</u> must be allowed.

That means the administrator for this proxy server must be informed to add this URL to the useable list of URLs too.

If the reverse proxy settings are not changed then Apparo Fast Edit can't run successfully.



## **3** Installation of all Apparo application servers

0	<ul> <li>Preparation</li> <li>Analysing environment</li> <li>Creation of a database user for the Apparo repository</li> <li>Defining the IBM Cognos Connection folder for the Apparo Designer entry</li> <li>Defining a new IBM Cognos Connection entry for the Apparo Designer</li> </ul>
2	Installation of all Apparo application servers
3	<b>Configuration of all Apparo application servers</b> Configuration using the Apparo Configuration Manager
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7	Installing clients



Start the Installation by execute the file

## FastEdit3.x.x.x\_yyy\_win64\_tomcat\_cognos.exe



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



Select "Multi Instance" and choose "Next>".

Now it's the time to choose the right Apparo application server.



🎦 Setup - Apparo Fast Edit	
Select Apparo Fast Edit module for installation	Apparo Products
Apparo Fast Edit contains 2 different modules:	
The "Apparo Gateway" should be installed parallel to ea	ch IBM Cognos Gateway.
The "Apparo Application Server" can be installed paralle standalone on an own host.	I to each IBM Cognos Dispatcher or C <b>ognos Gateway</b>
• Application Server parallel to an existing	IBM Cognos Dispatcher
C Application Server stand-alone. No IBM (	Cognos on this host
Apparo	
	< Back Next > Cancel

Select

- Apparo application server parallel to an existing IBM Cognos Dispatcher If you want to install this application server parallel to an existing IBM Cognos dispatcher
- Apparo application server standalone

If you want to install this application server on a host without an IBM Cognos dispatcher

Please select "Apparo application server parallel to an existing IBM Cognos Dispatcher" and choose "Next>".

## 3.3 Defining the target file directory

💽 Setup - Apparo Fast Edit	
Select Destination Directory Where should Apparo Fast Edit be installed?	
Select the folder where you would like Apparo Fast Edit to	be installed, then click Next.
Destination directory	
C:\Program Files\Apparo	Browse
Required disk space: 363.0 MB	
Free disk space: 18,669 MB	
Apparo -	< Back Next > Cancel

Please define the path and choose "Install".



## 3.4 Carrying out the installation

Finally the installation of Apparo Fast Edit with the selected architecture will start. After that this installation must be configured with the **Apparo Configuration Manager**.

💀 Setup - Apparo Fast Edit	
Installing Please wait while Setup installs Apparo Fast Edit on your computer.	
Extracting files jdk\jre\lib\zi\Europe\Berlin	
Apparo	
	Cancel

## 3.5 Installation finish



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

 ${\sf Click}$  ,"Finish" for completing the installation and to start the configuration.



## 4 Configuration of all Apparo application servers

0	<ul> <li>Preparation</li> <li>Analysing environment</li> <li>Creation of a database user for the Apparo repository</li> <li>Defining the IBM Cognos Connection folder for the Apparo Designer entry</li> <li>Defining a new IBM Cognos Connection entry for the Apparo Designer</li> </ul>
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With the **Apparo Configuration Manager** you are able to configure the already installed Apparo application server.

🖷 Apparo Fast Edit 3 - Configuration Manager 📃 🗖 🗙				
File Windows Services				
Save © Test Configuration	n 🚺 Start Fast Edit	(i) Show Log		
Configuration	Name		Value	
- 🗋 Architecture	Architecture type		Multi instance / Application server (Cognos)	
– 🗋 Application server				
- 🗋 Cognos				
- D File system paths				
- D Web security system				
- D eMail security system				
- C Repository				
License key				
	Welcome to the Apparo	Configuration M	anager!	<b>^</b>
	With this tool you can n	aske the configur	ation of an already installed Annaro Fast Edit	
	You can run the Config	uration Manager	directly after installation or	
	if you select the Config	uration Manager	entry in the start menu.	-
	Pove butten:			
	Saving your settings in	to configuration.x	mi file	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	Test Configuration butt	on:		
J	l esting all settings - Yo	ou will get a succ	ess message or	•

The settings are grouped into chapters (left side).

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



### To do list:



Test of an Apparo application servers without using an Apparo gateway:

http://<applicationserver:<startport>/KFE/pages/apptest.jsf

Example: <a href="http://appserver1:18000/KFE/pages/apptest.jsf">http://appserver1:18000/KFE/pages/apptest.jsf</a>

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

The configuration of Apparo Fast Edit is stored in file configuration.xml in file directory [APPARO\_HOME]\FastEdit\cm .

If you plan a parallel/cluster system then it's sometimes comfortable to copy this file into the target system.

If you open the Apparo Configuration Manager then you will see the same configuration settings like of your source system and it's possible to change it comfortable.



## 4.1 Architecture

In this section of the Configuration Managers you can find the selected Fast Edit architecture. This architecture was defined at installation time and is not changeable now.



## 4.2 Application server

Settings for the application server:

🖬 Apparo Fast Edit 3 - Configuration Manager 📃 🗖 🗙				
File Windows Services				
🔚 Save 💿 Test Configuratio	n 🚺 Start Fast Edit 🕕 Show Log			
Configuration	Name	Value		
- 🗋 Architecture	Host name	aq9		
<ul> <li>Application server</li> </ul>	Tomcat start port	18000		
- 🗋 Cognos	Tomcat connector port	9800		
🗕 🗋 File system paths	Server id	1		
— 🗋 Web security system	Apparo URL Folder	KFE		
– 🗋 eMail security system	Logging Level	Normal		
- 🗋 Repository	Maximum main memory usage in MB	900		
🖵 🗋 License key	Windows service user name	<use default="" system="" the="" user="" windows=""></use>		
	Windows service user password	<use default="" system="" the="" user="" windows=""></use>		
	Session timeout in minutes	60		
	Runtime form timeout in minutes	30		
	Each Apparo Fast Edit Installation has at least 1 application server. That's a Apache Tomcat installation that is communicating directly with the Apparo Gateway.			

The setting **Server ID** is important in a multi-application environment. Each application server has an unique ID starting with 1, then 2,3,4...

This Server ID must be used later in the Apparo gateway settings too.



## 4.3 IBM Cognos

Settings for the already installed Cognos environment:

📮 Apparo Fast Edit 3 - Configuration Manager 📃 🗖 🗙				
File Windows Services				
Save ⓒ Test Configuratio	n 🚺 Start Fast Edit	(i) Show Log	]	
Configuration	Name		Value	
- 🗋 Architecture	Cognos version		<click define="" here="" setting="" this="" to=""></click>	
- 🗋 Application server	Cognos home director	γ	<click define="" here="" setting="" this="" to=""></click>	select
- 🗋 Cognos	Cognos search path		/content/folder[@name=]	
— 🗋 File system paths	Cognos gateway URL		/ibmcognos/cgi-bin/cognos.cgi	
🛛 🗕 🗋 Web security system	Cognos internal dispa	tcher URL	http://aq9:9300/p2pd/servlet/dispatch	
- Construction - Cons	All definitions for your a	ilready installed :	and running IBM Cognos environment.	

## 4.4 File system paths

File directories for the server side scripts and user defined Java classes:

🌇 Apparo Fast Edit 3 - Configuration	n Manager			_ 🗆 ×
File Windows Services				
🗟 Save 💿 Test Configuratio	n 🚺 Start Fast Edit	(i) Show Log		
Configuration	Name		Value	
- 🗋 Architecture	File path to batch/exec	uteable files	C:\Program Files (x86)\Apparo\FastEdit\user_scri	select
- 🗋 Application server	File path to custom jav	a classes	C:\Program Files (x86)\Apparo\FastEdit\user_scri	select
- 🗋 Cognos	Oracle Client path to tr	isnames.ora	\$ORACLE_HOME/network/admin	select
File system paths     Web security system     Repository     License key	The file system paths a	are used for exec	uling of scripts and java testing classes.	

It is important that the Windows system user or the user that is running the Windows Service of Apparo Fast Edit has write and read access to these file directories.

Hint: If you use many application servers then all application server must use the same file directory.

Therefore it's possible to use Windows shares, e.g. <u>\\server1\scripts</u>

If using shares it's necessary that the Windows service of Apparo Fast Edit <u>must not use a local system account.</u>

Using a Windows Administrator account is for example a solution.



## 4.5 Web security system

All settings for the used security system:

In this chapter you can define the security group of all users that is necessary to be able to open the Apparo Designer <u>with full access</u>.

If there is no security group defined then all users can open the Apparo Designer with full access.



## 4.6 eMail security system

This security system in used by Business Cases of type "eMail Import Business Cases"

Apparo Fast Edit 3 - Configuration File Windows Services	Manager			_ 🗆 X
Save ⓒ Test Configuration	🚺 Start Fast Edit	() Show Log		
Configuration	Name		Value	
- 🗋 Architecture	eMail security system		None	
- D Application server				
Cognos				
File system paths				
- DeMail security system				
- Repository				
🗆 🗋 License key				
	Becurity settings for ver	ifying security gr	oups used by eMail Import Business Cases.	
	f there is a web securit	y system specifi	ed, it will be used for the eMail security as well and th	is
	category to not calculo			



## 4.7 Repository

The database connection to the Apparo repository:

🛛 Apparo Fast Edit 3 - Configuration Manager 📃 🔀					_ 🗆 🗙
File Windows Services					
Save ⓒ Test Configuration	n 🚺 Start Fast Edit	() Show Log	]		
Configuration	Name		Value		
- 🗋 Architecture	Database connection		IBM DB/2 LUW		
- 🗋 Application server	Database host name		aq9		
- 🗋 Cognos	Database port number	r	6789		
– 🗋 File system paths	Instance name or DB r	name	<click define="" here="" se<="" td="" this="" to=""><td>tting&gt;</td><td></td></click>	tting>	
- 🗋 Web security system	User name		<click define="" here="" se<="" td="" this="" to=""><td>tting&gt;</td><td></td></click>	tting>	
— 🗋 eMail security system	User password		<click define="" here="" se<="" td="" this="" to=""><td>tting&gt;</td><td></td></click>	tting>	
- 🗋 Repository					
🗆 🗋 License key					
		-			
		16	st Repository Connection		
	The Apparo Repository	is necessary to	store all of your definitions, al	l business cases,	<b></b>
	all database connections and so on.		=		
	The repository contains many database tables and sequences				
	These objects are created automatically after first program start.				
		, , , , , , , , , , , , , , , , , , , ,			
	Before Apparo Fast Ed	efore Apparo Fast Edit ist starting the first time the suitable database user with			
	an necessary rights mu	ust be alleady ex	isung.		
	The exection of this use	ar must ha dana	monuallu		-

## 4.8 License key

In this section you can add & change the license key. This key is necessary to run Apparo Fast Edit. Hint: A license key for a version 2.0 is not valid anymore.

Apparo Fast Edit 3 - Configuration	n Manager			_ 🗆 ×
Save © Test Configuration	on 🚺 Start Fast Edit	() Show Log		
Configuration	Name		Value	
- 🗋 Architecture	License key		<click define="" here="" setting<="" td="" this="" to=""><td>P</td></click>	P
- 🗋 Application server				
– 🗋 Cognos				
– 🗋 File system paths				
– 🗋 Web security system				
– 🗋 eMail security system				
- C Repository				
License key				
			Test License Key	
	Please paste the licen	se key for Apparo	Fast Edit into this field.	
	With the license key it i	s possible to sta	t the business cases.	
	Attention: If you use a tr	rial license kev th	en this kev is time limited.	
	You can see the expira	tion date in the A	oparo Designer, section "About P	roduct".
	Maria and a maria liana		to summary Occurrent info	
	ii you neeu a new licen	se key men write	to support@appar0.into	



## 5 Installation of all Apparo gatewayss

0	<ul> <li>Preparation</li> <li>Analysing environment</li> <li>Creation of a database user for the Apparo repository</li> <li>Defining the IBM Cognos Connection folder for the Apparo Designer entry</li> <li>Defining a new IBM Cognos Connection entry for the Apparo Designer</li> </ul>
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6	Creating the Apparo Designer entry in IBM Cognos Connection Creating the start entry of Apparo Designer
7	Installing languages



Start the Installation by execute the file for a Windows 64 bit environment:

## FastEdit3.x.x.x\_yyy\_win64\_tomcat\_cognos.exe



Confirm the beginning of the installation by clicking "Next".



## 5.1 License agreement

icense Agreement	<b>^</b>
Please read the following important information before	APPARO
continuing.	PRODUCT
Please read the following License Agreement. You must continuing with the installation.	accept the terms of this agreement before
Copyright © Apparo Sueddeutschland GmbH	<u> </u>
CONTENTS: This software product ("Software") consis property belonging to, or licensed by, Apparo Süddeut	sts of trade secrets and intellectual
("Medium") and related user documentation ("Related [	Documentation").
("Medium") and related user documentation ("Related I TITLE: Ownership of the Software and any related tr and will remain, the exclusive property of Apparo Südc	Documentation"). ademark, trade secret or copyright are, leutschland GmbH and its licensors.
("Medium") and related user documentation ("Related I TITLE: Ownership of the Software and any related tra and will remain, the exclusive property of Apparo Südo	ademark, trade secret or copyright are, deutschland GmbH and its licensors.
("Medium") and related user documentation ("Related It TITLE: Ownership of the Software and any related tra and will remain, the exclusive property of Apparo Sudo VECTOR VIEW Apparents	ademark, trade secret or copyright are, leutschland GmbH and its licensors.
("Medium") and related user documentation ("Related It TITLE: Ownership of the Software and any related tra and will remain, the exclusive property of Apparo Süde TECHER. V	ademark, trade secret or copyright are, leutschland GmbH and its licensors.
("Medium") and related user documentation ("Related It IIITLE: Ownership of the Software and any related tr and will remain, the exclusive property of Apparo Süde INCENT, VALUE,	ademark, trade secret or copyright are, leutschland GmbH and its licensors.
("Medium") and related user documentation ("Related It IIILE: Ownership of the Software and any related tr and will remain, the exclusive property of Apparo Süde INCENTE: View of Apparo Süde	ademark, trade secret or copyright are, leutschland GmbH and its licensors.

#### 5.2 Architecture

🍨 Setup - Apparo Fast Edit	
Select your planned architecture	
Do you have a small IBM Cognos environment or a Cognos Gateways or Cognos Dispatchers?	distributed environment with many
O Single Instance	
Complete IBM Cognos environment is stored on Cognos Gateway and one IBM Cognos Dispatch	one single host with one IBM er
Multi Instance	
An IBM Cognos environment with more than one Cognos Dispatcher	IBM Cognos Gateway or one IBM
Apparo	
	<pre></pre>

Select "Multi Instance" and choose "Next>".

Now it's the time to choose the entry for the **Apparo gateway**.



💽 Setup - Apparo Fast Edit	
Select Apparo Fast Edit module for installation	
Apparo Fast Edit contains 2 different modules:	
The "Apparo Gateway" should be installed parallel to eac	h IBM Cognos Gateway.
The "Apparo Application Server" can be installed parallel standalone on an own host.	to each IBM Cognos Dispatcher or
Apparo Gateway parallel to an existing Co	ognos Gateway
C Application Server parallel to an existing )	IBM Cognos Dispatcher
C Application Server stand-alone. No IBM D	ognos on this host
Apparo	
	<back next=""> Cancel</back>

Select Apparo gateway and choose "Next>".



## 5.3 Defining the target file directory

💽 Setup - Apparo Fast Edit	
Select Destination Directory Where should Apparo Fast Edit be installed?	
Select the folder where you would like Apparo Fast Edi	t to be installed, then click Next.
Destination directory	
C:\Program Files\Apparo	Browse
Required disk space: 255.3 MB	
Free disk space: 18,784 MB	
Apparo-	
, the second	<back next=""> Cancel</back>

The default path is

C:\Program Files\Apparo

Please define the path and choose "Next".

The configuration of Apparo Fast Edit is stored in file configuration.xml in file directory [APPARO\_HOME]\FastEdit\cm .

Hint:

If you want to install the Apparo gateway parallel to the same server like an Apparo application server then you must use another target file directory, e.g. c:\Program Files\ApparoGateway



## 5.4 Carrying out the installation

Finally the installation of Apparo Fast Edit with the selected architecture will start. After that this installation must be configured with the **Apparo Configuration Manager**.

💀 Setup - Apparo Fast Edit	
Installing Please wait while Setup installs Apparo Fast Edit on your computer.	
Extracting files jdk\jre\lib\zi\Europe\Berlin	
Apparo	
	Cancel

## 5.5 Installation finish



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

 ${\sf Click}$  ,"Finish" for completing the installation and to start the configuration.



## 6 Configuration of all Apparo gateway

0	<ul> <li>Preparation</li> <li>Analysing environment</li> <li>Creation of a database user for the Apparo repository</li> <li>Defining the IBM Cognos Connection folder for the Apparo Designer entry</li> <li>Defining a new IBM Cognos Connection entry for the Apparo Designer</li> </ul>
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7	Installing clients Installing the languages in Apparo Designer



## Important

Before starting of the Apparo configuration it is important that the configuration of all Apparo application servers with the

Apparo Configuration Manager is <u>successfully finished</u> and the application servers are already running with pressing Button "<u>Start Fast Edit</u>".

With the **Apparo Configuration Manager** you are able to configure the already installed Apparo gateway.

🔽 Apparo Fast Edit 3 - Configuration Manager 📃 🔀			
File			
Save Deploy Configura	rtion		
Configuration	Name	Value	
- 🗋 Architecture	Architecture type	Multi instance / Gateway (Cognos)	
Apparo gateway			
	Here you can see the selected Apparo i already done at installation time. "Single instance", your existing environn "Multi instance", one or more Apparo G: are installed on one or more hosts. A "Single instance" is useful for small e For a trial it⊡s better to select "Single In	Fast Edit architecture- the architecture choice has beer ment is installed on one computer only iteways and one or more Apparo Application servers nvironments or test systems. stance".	

The settings are grouped into chapters (left side).

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



## To do list:



Press the "Deploy Configuration" button for deploying.



2

Press the "Save" button for storing the settings.

## The configuration of Apparo Fast Edit is stored in file configuration.xml in file directory [APPARO\_HOME]\FastEdit\cm .

If you plan a parallel/cluster system then it's sometimes comfortable to copy this file into the target system.

If you open the Apparo Configuration Manager then you will see the same configuration settings like of your source system and it's possible to change it comfortable.



### 6.1 Architecture

In this section of the Configuration Managers you can find the selected Apparo Fast Edit architecture. This architecture was defined at installation time and is not changeable now.

🖬 Apparo Fast Edit 3 - Configuration Manager 📃 🔳 🗙						
File	File					
Save Deploy Configuration						
Configuration	Name	Value				
- 🗋 Architecture	Architecture type	Multi instance / Gateway (Cognos)				
— 🗋 Apparo gateway						
🗕 🗋 Application server						
	Here you can see the selected Apparo I	ast Edit architecture- the architecture choice has been	n 🔺			
	already					
	done at installation time.		_			
	"Single instance", your existing environ	nent is installed on one computer only				
	"Multi instance", one or more Apparo Ga	ateways and one or more Apparo Application servers				
	are installed on one or more hosts.					
	A "Single instance" is useful for small e	nvironments or test systems				
	For a trial it⊡s better to select "Single In	stance".				
			-			
·	A second s					

## 6.2 List of application servers

Apparo Fast Edit 3 - Configuration Manager File Save O Deploy Configuration					
Configuration	Name Communication port s1	Value aq9:9800			
	Each Apparo application server has		-		
	* an unique server id (1,2,3,n) * an application server host name * a communication port (default: 9800) The Apparo Gateway is responsible to t to an application server. Therefore it mu	ransport the request from the web server st know all application servers.	=		
	Syntax: s <server id=""> <application serve<="" td=""><td>er host name&gt;:<communication port=""></communication></td><td>•</td></application></server>	er host name>: <communication port=""></communication>	•		

You can add an Apparo application server entry with pressing the right mouse button.

The setting **Server ID** is important in a multi-application environment. Each application server has an unique ID starting with 1, then 2, 3, 4, ...

This Server ID must be used in the Apparo application settings too.



## 6.3 Configuration of the Microsoft Internet Information Server (IIS) 7 and higher

This chapter is describing the configuration of IIS 7 and higher.

The IIS must support ISAPI modules. This enhancement must be installed first.

Please start the Server Manager of the Windows operating system.

Select:

• Add roles and feature:

à	Server	Manager	_ <b>D</b> X	
Cor · · · Dashbo	bard	🛛 🕄   🍢 Manage To	ols View Help	
Dashboard	WELCOME TO SERVER MA	ANAGER	^	
Local Server     All Servers     AD DS	1 Configure this local server			
File and Storage Services ▷	QUICK START	2 Add roles and features	=	
		3 Add other servers to manage	2	
	WHAT'S NEW 4 Create a server group			
	5 Connect this server to cloud services Hide			
	ROLES AND SERVER GROU	UPS		
	AD DS	1 File and Storage Services	1	
	<ul> <li>Manageability</li> </ul>	<ul> <li>Manageability</li> </ul>		
	Events	Events		
	Services	Performance		
	Performance	BPA results		
	BPA results			
			~	



Sector sector         Series         Sector sector         Sector se	٦.	Add Roles and Features Wizar	d	_ <b>_</b> X
Before You Begin Installation Type Server Selection       Select one or more roles to install on the selected server.         Server Rolez       Image: Confirmation Remote Desktop Services       Image: Confirmation Services       Image:	Select server roles			DESTINATION SERVER aq21.app2.com
☐ Windows Server Update Services ✓	Before You Begin Installation Type Server Selection Server Roles Features Confirmation Results	Select one or more roles to install on the selected server.  Roles  Remote Access Remote Access Remote Desktop Services Volume Activation Services Web Server (IIS) (11 of 43 installed)  Berformance (1 of 2 installed)  Berformance (1 of 2 installed)  Berformance (1 of 2 installed)  Berformance (1 of 9 installed)  Berformance (1		Description Provides The Structure for developing and hosting Web applications. Use these features to create Web content or extend the functionality of IIS. These technologies typically provide a way to perform dynamic output, which IIS then sends to fulfill client requests.
a Deprésent - Neutra - Lastella - Consul		Windows Server Update Services	v.	

Please check if selections ISAPI Extensions and ISAPI Filters are enabled.

Please enable in chapter "Security" the feature "Windows Authentication":

Select server roles Destination server aq21.app2.com
Before You Begin       Select one or more roles to install on the selected server.         Installation Type       Roles         Server Selection
< III > Install Cancel

After that the IIS is ready for the next installation tasks.



## Following steps are necessary:

0	A new virtual directory apparo must show to file directory "cgi-bin"
2	Allowing ISAPI filter
3	Installation of the ISAPI filter with the name apparo using IIS_fastedit.dll

## Important

Before starting of the Apparo gateway installation it is important that the configuration with the Apparo Configuration Manager is successfully finished and the application server is already running with pressing button "Start Fast Edit".

The IIS configuration guide is also available as tutorial video in our YouTube channel:

## http://movies.apparo.solutions



1 A new virtual directory apparo must show to file directory "cgi-bin"

You must use a local Windows Administrator account for installation. Using a domain account with administrator role is not always working correctly.

Open the file directory [APPARO\_HOME]\FastEdit\cgi-bin

You see 2 files:

- IIS\_fastedit\_32bit.dll
- IIS\_fastedit\_64bit.dll

If your operating system is running with 32 bit then use first file.

You can use an own Application Pool or the DefaultAppPool for Apparo Fast Edit. You must use the same Application Pool for Cognos, Apparo and Default Web Site.

If your operating system is using 64 bit then check if this pool is accepting 32bit applications (see setting "Enable 32bit Applications") too. If yes then use the file "IIS\_fastedit\_32bit.dll". If not then use the "IIS\_fastedit\_64bit.dll".

## Copy the right file to "IIS\_fastedit.dll" into the same cgi-bin file directory.

Next step:

Open the IIS console:

🐏 Internet Information Services (IIS) Manager 📃 🛛 🗙				
AQ18 + Sites	>	🖸 🛛 🖓 I 🕐 🕶		
<u>File Vi</u> ew <u>H</u> elp				
Ele Yiew Help Connections Start Page Application Pools Connection Pools Connect	Sites          Filter:          •          •          •	Actions Add Web Site Set Web Site Defaults Add Web Site Defaults Confine Help Online Help		
	Features View			
Ready		¶.:		

Choose the "Default Web Site", press right mouse button and select "Add virtual Directory".



Add ¥irtual Direc	tory				? ×
Site name: De Path: (	efault Web Site				
, addition of the second secon					
<u>A</u> lias:					
apparo					
Example: images					
Physical path:					
C:\Program Files	\Apparo\FastEdil	t\cgi-bin			
Pass-through au	thentication				
Connect as	Test Settings				
			ок	Cance	

Enter the alias "**apparo**" and the path to the cgi-bin file directory of Apparo Fast Edit.

Press "**OK**"

Nernet Information Services (IIS) Manager				
🚱 💿 📃 + AQ18 + Sites + Default Web Site + apparo +				
<u>File View H</u> elp				
Connections	apparo Home         Group by: Area         IIS         Authentication         CGI       Compression         Directory       Error Pages         HTTP         Browsing       Image: Authentication         Image: Authentication       CGI         Compression       Default Document         Image: Authentication       CGI         Image: Authentication       Image: Authentication         Image: Authentication       Image	Actions       Bexplore       Edit Permissions       Basic Settings       Manage Virtual Directory       Browse Virtual Directory       Browse Yirtual Directory       Advanced Settings       Velta       Help       Online Help		
Ready		¶.:		



This directory must have **executable** rights:

Select "apparo" folder again and double-click "Handler Mappings"



Select on the right side "Edit Feature Permissions..." and enable "Execute".

Edit Feature Permissions	? ×
Permissions:	
🗷 Read	
Cript	
Execute	
OK Canc	el

Press "OK".



## Defining the mapping:

Choose the new created virtual directory "apparo".



Double click

- now you can define a new mapping.

Select entry "Add Module Mapping..." from the right side.

Now you see a new window for the mapping definition. Please enter the necessary entries:

Add Module Mapping ? 🗙
Request <u>p</u> ath:
*.dll
Example: *.bas, wsvc.axd
Module:
IsapiModule 🔹
Executable (optional):
C:\Program Files\Apparo\FastEdit\cgi-bin\IIS_fastedit.dll
Name:
apparo
Request Restrictions
OK Cancel

"Executable" must contain the valid path to the used ISAPI file IIS\_fastedit.dll.

Now press "Ok" and



then "Yes".



Allowing ISAPI filter

2

Select the server name entry (here: AQ18) and double click "ISAPI and CGI Restrictions":





Number Information Services (I	(5) Manager			_ 🗆 ×
				🗾 🖸 🛛 🟠 I 🕐 🕶
<u>F</u> ile ⊻iew <u>H</u> elp				
Connections Start Page AQ18 (AQ18)Administrator) A Aplication Pools Sites Default Web Site Regions Cognos8	ISAPI	and CGI Res specify the ISAPI and b server. Supping • Restriction Allowed	trictions CGI extensions that Path C:(program Files\cc	Actions Add Edit Feature Settings P Help Online Help
Configuration: 'localhost' applicationHost.	config			• : :

Press "Add..." and input:

Add ISAPI or CGI Restriction	? ×
ISAPI or CGI path:	
C:\Program Files\Apparo\FastEdit\cgi-bin\IIS_fastedit.dll	.
	-
apparo	
Allow extension path to execute	
OK Caprel	

Enable "Allow extension path to execute" and press "OK".



3 Installation of the ISAPI filter with the name apparo using IIS\_fastedit.dll

Nanager Information Services (IIS) Manager \_ 🗆 🗙 🗿 I 🕐 🗸 😋 🕥 😜 🔸 AQ18 🔸 Sites 🕨 Default Web Site 🕨 67 <u>File ⊻iew H</u>elp Connections Activ Default Web Site Home 😪 - 🔚 🖄 🔝 ٠ Open Feature Start Page AQ18 (AQ18\Administrator) -Explore Group by: Area Edit Permissions.. Application Pools 115 ٠ Edit Site Ð ~ CGI Ø Bindings.. ⊕ Beradic web
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 Authentication CGI Compression Default Document Basic Settings. View Applications View Virtual Directories 1 110 404 Manage Web Site Handler Mappings HTTP Redirect Directory Browsing Error Pages 💈 Restart Þ Start 0 1 Stop HTTP Respo.. ISAPI Filters MIME Types Logging Browse Web Site Browse \*:80 (http) A Þ 4 Advanced Settings. Modules Output SSL Se Specify requirements for SSL and client certificates. Limits... 📰 Features View / Content View Help Ready •

Select again "Default Web Site" and double click "ISAPI Filters":

Press "Add..."

Add ISAPI Filter	? ×
<u>F</u> ilter name:	
apparo	
Executable:	
C:\Program Files\Apparo\FastEdit\cgi-bin\IIS_fastedit.dll	
ок	Cancel

Input the filter name **"apparo**" and select the **IIS\_fastedit.dll** in file directory **"[APPARO\_HOME]\FastEdit\cgi-bin**"

Press "OK".



Resizing the upload limit

History Information Services (II	5) Manager	
C→ C→ DEV1 → Sites	▶ Default Web Site ▶	🖬 🖾 🖄 I 😢 🗝
File View Help		
Connections Start Page DEVI (DEVI (Administrator) Application Pools Sites Content Application Pools Sites Content Conten	Default Web Site Home     Filter:     Filter: <t< th=""><th>Actions         Explore         Edit Permissions         Edit Site         Bindings         Basic Settings         View Applications         View Virtual Directories         Manage Web Site         Start         Start         Stop         Browse Web Site         Browse *:80 (http)         Advanced Settings         Configure         Limits         @ Help         Online Help</th></t<>	Actions         Explore         Edit Permissions         Edit Site         Bindings         Basic Settings         View Applications         View Virtual Directories         Manage Web Site         Start         Start         Stop         Browse Web Site         Browse *:80 (http)         Advanced Settings         Configure         Limits         @ Help         Online Help
Ready		Sec. 1

Select "Default Web Site" in the tree view, left side. Select "Request Filtering" with double-click. Select "Edit Feature Settings" on right side.

Internet Information Services (IIS) Manager           Image: Ima	) Site 🕨		× • • • • •
File       View       Piep         Connections       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page       Image: Start Page         Image: Start Page       Image: Start Page <td>equest Filtering rules. Inter to configure filtering rules. Inter to configure filtering rules. Inter to configure filtering rules. Inter the second sec</td> <td>Edit Request Filtering Settings         General         Image: Allow unlisted file name extensions         Allow unlisted verbs         Allow unlisted verbs         Allow double escaping         Request Limits         Maximum allowed content length (Bytes):         1300000000         Maximum URL length (Bytes):         2048         OK       Cancel</td> <td>Alerts</td>	equest Filtering rules. Inter to configure filtering rules. Inter to configure filtering rules. Inter to configure filtering rules. Inter the second sec	Edit Request Filtering Settings         General         Image: Allow unlisted file name extensions         Allow unlisted verbs         Allow unlisted verbs         Allow double escaping         Request Limits         Maximum allowed content length (Bytes):         1300000000         Maximum URL length (Bytes):         2048         OK       Cancel	Alerts
Configuration: 'Default Web Site' web.config			<b>%</b> .:

Change value of Maximum allowed content length (Bytes) to 300 000 000 (= 300 MB).



Now the installation of the Apparo gateway is successfully finished.

If you can't see this message then:

- test if the virtual directory is defined and it points to file directory cgi-bin
- test if the virtual directory has the right to execute
- test if this ISAPI filter is allowed
- restart the IIS



## 6.4 Using an own Application Pool

If you want to use a separate application pool instead of the "DefaultAppPool" then additional settings are required.

Internet Information Services (I	IS) Manager					
	ation Pools					🖸 🖂 🙆 I 🛛 🕶
File View Help						
Connections Start Page AQ20 (AQ20)Administrator) Application Pools Stars Default Web Site Apparon Application appronent Application application applicat	Application	n Pools	of application pools on the ne or more applications, ar Show All Group by: Frame Managed Pipeli. Integrated Classic Integrated	server. Application pools are d provide isolation among No Grouping Identity ApplicationPoolIden ApplicationPoolIden	Appli 1 0 0	Actions       Set Application Pool Defaults       Application Pool Tasks       Start       Stop       Recycle       Edit Application Pool       Basic Settings       Recycling       Advanced Settings       Rename       View Applications       View Applications       Help       Online Help
кеаду						S.:

Click with the right mouse button on the virtual directory 'apparo' and select ,Convert to Application'

Finternet Information Ser	vices (IIS) Manager					
📀 💿 🛛 🗾 🕨 AQ20	Sites Default Web Site	▶ apparo ▶				🔯 🖂 🟠 I 🕑 🛨
File View Help						
Connections	annar	n Home				Actions
		5 Home				🔉 Explore
AQ20 (AQ20\Administra	tor) Filter:	- 🔐 Go - 🕻	Show All   Group b	y: Area	-	Edit Permissions
Application Pools	ASP.NET				<u> </u>	Basic Settings
🖻 🍪 Default Web Site		۸	6			Manage Virtual Directory
⊕	Explore	NET .NET Error	.NET .NE	Profile .NET Roles		Browse ¥irtual Directory Browse *:80 (http)
🗄 🚰 ibmcog	Edit Permissions	pilation Pages	Globalization			Edit Virtual Directory
2	Convert to Application		ab			Advanced Settings
	Add Application	Users Application	Connection Mad	nine Key Pages and		🔞 Help
	Add Virtual Directory	Settings	Strings	Controls		Online Help
	Manage Virtual Directory	- <b>K</b>				
100 E	Refresh	on State SMTP E-mail				
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Internet Information Services (I	I5) Manager	
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File View Help		
Connections Start Page Start Page AQ20 (AQ20)Administrator) Application Pools Sites Connection Pools Sites Connection Pools Connection Pools Conne	apparo Home         Filter         Add Application         Filter         Asf         Site name:       Default Web Site         Path:       /         Author       apparo         DefaultAppPool       Select         Example: sales       Physical path:         NET       C:\Program Files\Apparo\Fasi         Pass-through authentication       Application pool:         Pror       Connect as         Test Setti       Net Framework Version: 2.0         Pipeline mode:       Integrated         OK       Cancel	Actions
Reduy		<b>*1</b> .:

Then select the desired Application Pool with the "Select ..." button.

逞 Internet Information Services (IIS)	Man	dvanced Settings	? ×		<u>- 🗆 ×</u>
AO20 ► Sites ► [	Defau				- 😡 🛛 🏠 I 🔞 🗸
		🗆 (General)			
File View Help		Application Pool	apparo		
Connections		Physical Path	C:\Program Files\Apparo\FastEdit\cgi		Actions
		Physical Path Credentials		1 I I	
	<u> </u>	Physical Path Credentials Logon Type	ClearText		Add Application
Start Page	Thic n	Virtual Path	/apparo		Set Application Defaults
🖻 🛀 AQ20 (AQ20\Administrator)	niis p	🗆 Behavior			Manage Application
Application Pools	Filter	Enabled Protocols	http		
- O Defective Cha	Virtua			policati	D Explore
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espet client					X Remove
					Browse Application
					Browse *:80 (http)
					Edit Application
					Basic Settings
					Advanced Settings
					Havalieed Seconds.
					view virtual Directories
					🕡 Help
					Online Help
		Application Pool			
	•	[applicationPool] Configures this applicat	ion to run in the specified application pool.		
	Fea				
			OK Cancel		
Ready				2	<b>9</b> 1.:

## The "Default Web Site" must use the same Application Pool (Advanced Settings)

Other applications like Cognos are not affected by the application pool setting of the default web site.



Hint:

When using 64 Bit Windows, please check the settings of the Application Pool regarding the usage of the 32bit version (Advanced Settings -> Enable 32bit Application).

In case it is set to "true", please use the file IIS\_FastEdit\_32bit.dll.



#### 6.5 Configuration of the Apache web server

This chapter is describing the configuration of Apache web server 2.2 and higher.

## Hint: The configuration of Apparo Fast Edit using Apparo Configuration Manager must be already finished before you can continue.

Following installation steps are necessary:

 Configure the ajp proxy and the ajp proxy balancer modules, by modifying *httpd.conf* of your Apache web server httpd.conf

LoadModule proxy\_module modules/mod\_proxy.so LoadModule proxy\_ajp\_module modules/mod\_proxy\_ajp.so LoadModule proxy\_balancer\_module modules/mod\_proxy\_balancer.so

Configure the load balancer members under <IfModule mod\_proxy.c>:
 Open text file ", http\_ajp\_proxy\_settings.txt" that is stored in directory cgi-bin in a text editor.

Replace in httpd.conf the line "<IfModule mod\_proxy.c> " with the content of the text file or use the complete text of http\_ajp\_proxy\_settings.txt. Example – a configuration with 1 node:



## Save the file httpd.conf and restart the web server.

## Hint if using RedHat Linux:

If you get an Apache error like: [error] (13)Permission denied: proxy: AJP: attempt to connect to <servername:9800> failed

Please enter following command:

/usr/sbin/setsebool -P httpd\_can\_network\_connect 1

Server Time out:

Please check that your Apache web server configuration has the setting

TimeOut 1800

Apparo Fast Edit need much time for importing/exporting/upgrading and Excel import.

Now the installation of the Apparo gateway for Apache web server is finished.



## 7 Creating the Apparo Designer entry in IBM Cognos Connection

0	<ul> <li>Preparation</li> <li>Analysing environment</li> <li>Creation of a database user for the Apparo repository</li> <li>Defining the IBM Cognos Connection folder for the Apparo Designer entry</li> <li>Defining a new IBM Cognos Connection entry for the Apparo Designer</li> </ul>
2	Installation of all Apparo application servers
3	<b>Configuration of all Apparo application servers</b> Configuration using the Apparo Configuration Manager
4	Installation of all Apparo gateways
5	<b>Configuration of all Apparo gateway</b> Configuration the web servers and the Apparo gateway using the Apparo Configuration Manager
6	Creating the Apparo Designer entry in IBM Cognos Connection Creating the start entry of Apparo Designer
7	Installing clients



With the Apparo Designer you can create new business cases, new database connection and so on. The Apparo Designer can be started with selecting an entry in IBM Cognos Connection.

Open the Windows Start menu, select Apparo chapter, select entry "Designer link"

Now a text file is opening:



## Copy the complete generated URL entry.

Login into IBM Cognos Connection using one of the user names which has design rights for Apparo Designer (default: everybody can open the Apparo Designer).

Go to your folder in that that the Apparo Designer entry must be stored to (the same folder like defined in Apparo Configuration Manager):

Create a new link entry and copy & paste the complete URL into the URL property:

III 📑 🔁 🞇 📑 🗱	
🖉 Specify a name and description - New URL wizard - Windows Internet Explorer	_ 🗆 ×
🚱 🕤 🔻 🙋 http://localhost/cognos8/c 🔽 🐓 🗙 Live Search	<b>P</b> -
😪 🍻 🎉 Specify a name and description - New URL wizard	🟠 🗸
Specify a name and description - New URL wizard	<u>Help</u> X
Specify a name, URL, and location for this entry. You can also specify a description and screen t Name:	ip.
Apparo Designer	
Screen tip:	
URL:         Type a URL that contains an acceptable domain. <u>View acceptable domains</u> [/cognos8/cgi-bin/cognosisapi.dll?b_action=xts.run&m=portal/bridge.>         Location:         Public Folders > Past Edit         Select another location         Select My Folders         Cancel       < Back	
Done Succal intranet	100% • //



Now try to start the Apparo Designer – just select the "Apparo Designer" entry.

The following window should open:

	Client management and settings Anonymous	Home
	The table bellow lists all existing clients of this environment. A client is a separated world with own connections, Business Cases, languages and security.	
	*Add	
A Clients	Installed clients	
	Client name Associated security groups	Actions
1	No client is currently installed. Please create one client first.	
About Fast Edit		
		표
		e de:
		scrip
		tions
in the second second		

If you get the message "You have insufficient privileges" then you must add the current user into the security group that is necessary to be able to open the Apparo Designer with full access.



## 8 Installation clients

0	<ul> <li>Preparation</li> <li>Analysing environment</li> <li>Creation of a database user for the Apparo repository</li> <li>Defining the IBM Cognos Connection folder for the Apparo Designer entry</li> <li>Defining a new IBM Cognos Connection entry for the Apparo Designer</li> </ul>
2	Installation of all Apparo application servers
3	<b>Configuration of all Apparo application servers</b> Configuration using the Apparo Configuration Manager
4	Installation of all Apparo gateways
5	<b>Configuration of all Apparo gateway</b> Configuration the web servers and the Apparo gateway using the Apparo Configuration Manager
6	Creating the Apparo Designer entry in IBM Cognos Connection Creating the start entry of Apparo Designer
7	Installing clients



	Client management and settings Anonym	nous Home
	The table bellow lists all existing clients of this environment. A client is a separated world with own connections, Business Cases, languages and security.	
	Add	
Clients	Installed clients	
	Client name Associated security groups	Actions
i	No client is currently installed. Please create one client first.	
About Fast Edit		
		_
and the second s		_
		표
		e de
		scrip
		tions
- Wanter and the second		

Now it is necessary to install the clients that will be used by users into Apparo Fast Edit.

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

Press the "Add" button and create a new client.

					Home	•
	The ta	Client attributes	ment. A clarific a cancerted works with own nonnactions. Durings: Cancer International Cancer	ily.		
and the second		Each client has an unique name and optional	security groups that are necessary for using it.			
<b>121</b>	Ins	Clientname	•			
About Fast Edit	No	Client security groups (comma separated list)	An unique name for the client.		Actions	
		Client internal description	groups (separated by comma) then the user is member of this client.		Hide descriptions	
		VOK X CANCEL			_	
						•
<u> </u>					<u></u>	

Define a short "client name" and press the **OK** button.



Apparo Fast I	Edit	Client ma	anagement and settings	Anonymous	client1	Home
	The table	e bellow lists all existing clients of this environment. A client is	s a separated w orld with ow n connections, Business Cases, languages and s	ecurity.		
	+ Add	lmport Export				
Connections	Insta	alled clients				
Connections		Client name	Associated security groups		A	ctions
		► client1			3	<
Business Cases						
\$						1.00
Settings						
<u>.</u>						Hide o
Clients						lescri
L About Fast Edit						ptions
- Alter alter						

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

Apparo Fast Edit		Settings	s of client clien	<b>t1</b>	Anonymous cl	ient1 Home 📥
Client head General	Languages	Default numeric & datetime formats	Access rights	Automatic table/column creation	Export formats Licens	e key
Client name	omma separated lis	client1		*		
Client internal description	n					
						S
✓ ОК 5 СА	NCEL					ow descr
						iptions



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

Apparo Fast I	Edit		Settings	of client client	1		Anonymous	client1	Home
Client head	General Langu	ages Default numeric &	k datetime formats	Access rights	Automatic table/column cre	ation Export ge was imported	t formats Li d successfully	cense key	
en	► English				★ ₫				
Import langu	lage				Browse				
IMPORT									4
🖌 ОК	S CANCEL								Sho
									v descrip
									tions

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.

Apparo Fast Edit	Setting	gs of client clier	it1	Anonymous	client1	Home
Client head General Langua	ges Default numeric & datetime formats	Access rights	Automatic table/column creation	Export formats Licer	nse key	
Define restrictions for accessing secur If no access rights are defined, that me	ed parts of Apparo Fast Edit. Only users with list ans access to function is unrestricted.	ed security groups wi	II be able to access that particular func	tions.		
Apparo Client Administrator: has unre	stricted access to all features of this client					
Apparo Connection Administrator: ca	i create, edit and delete database and email se	rver connections				
Apparo Designer: manages Business	Cases - can create, delete and edit Business C	ases and folders				
Apparo Import & Export Administrato	can import and export Business Cases and co	onnections				
Enter comma separated list of security	groups for each Apparo Fast Edit role:					S
Apparo Client Administrator						how o
Apparo Connection Administrator						descriptions
Apparo Designer						
Apparo Import & Export Administrator						
V OK CANCEL						
						•

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

You can find a detail description of client management in "Configuration guide".



# 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) / All Programs / Apparo / Documentation



Movies about Apparo Fast Edit:

http://movies.apparo.solutions



## 9 Configuration of an IBM Cognos BI environment with many dispatchers

If your IBM Cognos BI environment has many parallel dispatchers and you have dispatchers that have no parallel installed Apparo application server then you must copy manually some XML files into Cognos folders:

Copy following files from the file directory [APPARO\_HOME]\FastEdit\etc

- FastEditBusinessCase.xml
- FastEditDesigner.xml

into the Cognos dispatcher file directory:

## [COGNOS\_HOME]\templates\ps\portal

These files are necessary to be able to call external applications like Apparo Fast Edit from the Cognos connection portal.



## **10** 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.bat 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)



## 11 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 command scripts.

## **11.1** Importing definitions

Important: At this time the	e Apparo Fast Edit application must already run.
The import program is stored in the file dire	ectory "import": [APPARO_HOME]\FastEdit\import
Use script <b>afe-import.bat (</b> If you start the s	cript without arguments then you see the possible arguments)
-afeUrl <url></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></client_id>	ID of a client that Business Cases, language definitions, database messages or connection definitions will be imported into.
-f <file></file>	The file that contains the client, Business Case, language definition, database messages or connection definitions.
-h	Displays this help text
-importSecurity <true false></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></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></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></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.

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

Sample: afe-import.bat -f \etc\definition.xml -clientId Samples



## **11.2 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></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></business_case_id>	ID of a Business Case you want to export.
-clientId <client_id></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></conn_name>	Name of a database connection you want to export.
-emailc <conn_name></conn_name>	Name of an email connection you want to export.
-f <filepath></filepath>	Filename & path where to write the exported XML.
-folderPath <path></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

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

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



## **12** Browser requirements

## **12.1** 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)

## **12.2** Supported operating systems for client browsers

Microsoft Windows

#### 12.3 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:

Security Settings - Trusted Sites Zone 🛛 🛛 🔀		
Settings		
O Disable	▲	
<ul> <li>Enable</li> </ul>		
🗐 Enable XSS filter		
<ul> <li>Disable</li> </ul>		
O Enable		
Scripting of Java applets	,	
O Disable		
O Enable		
O Prompt		
K Logon		
O Anonymous logon		
Automatic logon only	/ in Intranet zone	
	a current user name and password	
O Prompt for user nam	e and password	
*Takes effect after you restart yo	our computer	
· · ·		
Reset custom settings		
Reset to: Medium (default)	▼ Reset	
	OK Cancel	



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 <u>disabled</u>.

Compatibility View Settings		
You can add and remove websites to be displayed in Compatibility View.		
Add this website:		
	Add	
Websites you've added to Compatibility View:		
192.168.0.104	Remove	
Tochude updated website lists from Microsoft		
Display intranet sites in Compatibility View		
Display all websites in Compatibility View		
	Close	

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.

## 12.4 Additional settings for all browsers

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



## **13** Support

If you need support then please write an eMail to:

support@apparo.solutions