This documentation describes how to start working with the default PapyrusCDOServer.

How to install and launch PapyrusCDOServer on localhost

- 1. Download the last version of the PapyrusCDOServer on https://hudson.eclipse.org/papyrus/view/Collaborative%20Modeling/job/Papyrus- CDO-Server/ws/products/ 2. Unzip it
- 3. Run PapyrusCDOServer like done on this snapshot.

\$./papyruscdoserver.exe
Install location:
file:/d:/VL222926/Desktop/aaaC00Server/
Configuration file:
file:/d:/VL222926/Desktop/aaaCDOServer/configuration/config.ini loaded
Configuration location:
file:/d:/VL222926/Desktop/aaaCDOServer/configuration/
Framework located:
file:/d:/VL222926/Desktop/aaaCDOServer/plugins/org.eclipse.osgi_3.13.0.v20180409-1500.jar
Framework classpath:
file:/d:/VL222926/Desktop/aaaCD0Server/plugins/org.eclipse.osgi_3.13.0.v20180409-1500.jar
Splash location:
null
Debug options:
file:/D:/VL222926/Desktop/aaaCD0Server/.options not found
Time to load bundles: 3
Starting application: 950
osgi> [INFO] CDO server starting
[INFO] CDO repository PapyrusCDOSecuredRepository started
[INFO] Repository configuration manager extension starting
[INFO] Repository configuration manager extension started
[INFO] Net4j extension starting
[INFO] Net4j acceptor starting: tcp://0.0.0.0:2036
[INFO] Net4j extension started
[INFO] Security extension starting
[INFO] Security realm created in /security
[INFO] Security realm handled by AnnotationHandler
[INFO] Security realm handled by HomeFolderHandler[/home]
[INFO] Security manager for repository PapyrusCDOSecuredRepository: PapyrusCDOSecuredRepository:/security:annotation:home(/home)
[INFO] Security extension started
[INFO] CDO server started
Application Started: 3339
osqi>

The CDO server is now launched and you have access to a OSGI terminal.

The database is created in a *develop* folder at the root of your system.

How to connect to it from Papyrus

- Add in your Eclipse update site, this CDO interim update site : <u>https://download.eclipse.org/modeling/emf/cdo/drops/l20190208-0100</u>
 Install the last version of Papyrus CDO Integration and Papyrus CDO Models (this feature required the CDO interim update site)
- (https://hudson.eclipse.org/papyrus/job/Papyrus-CDO/lastSuccessfulBuild/artifact/repository/)
- 3. Restart Eclipse 4. Open the CDO Explorer Perspective
- 5. Add a new repository from the CDO Repository View by Click on the green plus



6. a new dialod opens, Select Connect To an existing remove repository then Next,

New Repository	
New Repository	
Select the type of the new repository.	CDC
Connect to an existing remote repository.	
0+0	
Clone an existing remote repository.	
Create a new local repository.	
0+0 *	
(?) < Back Next > Finish	Cancel

7. Edit the fields with these values:

Host: localhost

- Port: 2036
 Repository name: PapyrusCDOSecuredRepository
 User name: Administrator
 Password: 0000

New Repository			
New Remote Rep Enter label and co	pository Innection parameters of t	the new remote location.	СРО
Label:	New Repository		
Host:	localhost		
Port:	2036	✓ Valid address	
Repositories:	PapyrusCDOSecured	IRepository	
Repository name:	CDOSecuredRepository	✓ Branching	
User name:	Administrator		
Password:	••••]	
?		< <u>Back</u> <u>N</u> ext > <u>Finish</u>	Cancel

How to create a new Papyrus model on this server

1. Do a Checkout from your newly created repository

POSITODI
•
ory out as an online connection
F2
Delete
rs Management

2. In the project explorer, you now have a new folder called Online Transactional Checkout. In it, find the home folder corresponding to your user id (here, it is Administrator, select it, then Right-Click->New->Papyrus model.

security		New	•	6	Folder
Security I		Go Into			Model Resource
		Show In	•	010	Binary File
	ab	Rename	F2		Text The
	×	Delete	Delete	2	Papyrus Model
	7	Papyrus CDO Users Management	•		
	->	Papyrus Developer	۲		
DO Repositories		CSS Theme	+	4	
Remote Reposi	1	Papyrus GMFGen Tools	•		

3. Now you can work according to your Papyrus habits

Note: The commit on the CDO server is automatically done by the standard save action (CTRL-S).

How to Add User

1. From the CDO Repository view, select your server, then Right-Click->Manage Security.

Rem-t- i	New Branch		Repository	
	Show In	۰.		
đ	Checkout			
-	Checkout As			
ab	Rename	F2		
×	Delete	Delete		
54	Disconnect			
	Manage Security			
7	Papyrus CDO Users Management	•		
~	Papyrus Developer	•		

2. The CDO Security Manager editor is now open.

🕅 💥 Selection Details
No object is currently select
<i>1</i> 2 3 2
~ ×

3. Click on the button in the top right corner to open a Tree Editor with the same information, then expand all contents, select the Users folder, then Right-Click->Papyrus CDO User Management->Create User. A dialog opens (after some delay the first time).

Sec ▷ □ 1 ▷ □ 0 ■ □ 0	urity Roles Grouj Users	Kealm clean clean clean New Child	•		
		New Root Bulk Add	,		
	D D	Undo Redo	Ctrl+Z Ctrl+Y		
	✓	Cut Copy Paste			
	×	Delete Validate Control			
	a	Lock Object Lock Tree OCL	,		
	7	Papyrus CDO Users Management	•	• 🔺	Create User
	7	Papyrus Developer Load Resource Import Roots	,	. 🔺	Edit User
		Refresh Show Properties View			
	-	Papyrus GMEGen Tools	,		

4. In this dialog, you can edit various informations about the new user (some values are already initialized by Papyrus). The required values are the *ID* and the *Password*. These informations will allow to your new user to connect him to the server.

🤿 Edit User						
Label						
First name	Vincent					
Last name	Lorenzo					
Email	vincent.lorenzo@ce	ea.fr				
Default access override						
Default access						
Id	VLORENZO					
Locked	🔘 true 🔘 false					
Password	<undefined></undefined>			 		
Groups		Create a new UserPas	sword		- • ×	
🖄 Users						
		Encrypted	myPassword			
		?		ОК	Cancel	
All groups						┛む₽₩
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Unassigned roles						ᠿ₿₽₩₡
Roles						00 🕂 📥 🗙 🖉
Home Folder /h	ome					
All Objects Read Resource Tree R	ler eader					
					_	
(?)						OK Cancel
*						

Note:

- The user is not yet able to change its own password.
 The user can only edit elements in its own folder.
 The user can't work on the same model with his colleagues. To do that, the CDO Server administrator must create a new folder and give the access to the users wanting work together.

How to close properly the CDO Server

1. Select your repository PapyrusCDOSecuredRepository in the CDO Repository, then Right-Click->Disconnect.

TCDO Repositories	
Remote Repository tcp://localhos+20	New Branch
	Show In
đ	Checkout
đ	Checkout As
ab	Rename F2
×	Delete Delete
84	Disconnect
B	Manage Security
7	Papyrus CDO Users M Disconnect from the repository
7	Papyrus Developer +

2. In the OSGI terminal, type **close**, then **y** (for yes) and the server will shutdown.

osgis close Really want to stop Equinox? (y/n; default=y) y osgis [IMF0] COD server stopping [IMF0] Repository configuration manager extension stopped [IMF0] Repository configuration manager extension stopped [IMF0] Netaj extension stopping [IMF0] Netaj extension stopped [IMF0] Security extension stopped [IMF0] Security extension stopped Start Wi: -Xms40m -Xms400m -Ddebug=true -Onetaj. console.emable.builtin=false -Onetaj.console.emable.builtin=false -onetaj.console.emable.builtin=false -showsplash -showsplash -showsplash -showsplash -launcher p:\\L222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_vin32.vs6c.64_1.1.700.v20180518-1200\eclipse_12 -startup D:\\L222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_vin32.vs6c.64_1.1.700.v20180518-1200\eclipse_12 -startup D:\\L222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_vin32.vs6c.64_1.1.700.v20180518-1200\eclipse_12 -startup D:\\L222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_vin32.vs6c.64_1.1.700.v20180518-1200\eclipse_12 -startup D:\\L222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_vin32.vs6c.64_1.1.700.v20180518-1200\eclipse_12 -startup D:\\L222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_vin32.vs6c.64_1.1.700.v20180518-1200\eclipse_12 -startup D:\\L222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar -debug -console -vm c:\Program Files\Java\jre1.8.0_172\bin\server\jvm.dll -vmarge -Xms400m -	
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<pre>Start VM: -/ms400m -/mx4000m -/mx4000m -Ddebug=true -Dnet4j.configuration/ -Dosgi.console.enable.builtin=false -Dorg.eclipse.emf.cdo.server.browser.port=7777 -Djava.class.path=D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar -os win32 -arch x86_64 -showsplash -launcher D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher.win32.win32.x86_64_1.1.700.v20180518-1200\eclipse_1? -launcher.library D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher.win32.win32.x86_64_1.1.700.v20180518-1200\eclipse_1? -launcher.library D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar -varch x86_64 -showsplash -launcher.library D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar -launcher.overrideVmargs -launcher.overrideVmargs -debug -console -vm C:\Program Files\Java\jre1.8.0_172\bin\server\jvm.dll -vmargs -Xmx400m -Xmx400m -Dmet4j.config=configuration/ -Dmet4j.config=configuration/ -Dmet4j.config=configuration/ -Dosgi.console.enable.builtin=false -Dorg.eclipse.efi.cdo.server.browser.port=7777 -Djava.class.path=D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar -Darg.elipse.efi.cdo.server.browser.port=7777 -Djava.class.path=D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar -Darg.elipse.efi.cdo.server.bin_server\jvm.dll -vmargs -Xms400m -Xms400m -Xms400m -Xms400m -Xms400m -Xms400m -Xms400m -Xms40m -Xms400m -Xms400m -Xms400m -Xms400m -Xms40m -Xms400m -Xms4</pre>	[INFO] CDO server stopped
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-Ddebug=true -Dnet4j.config=configuration/ -Dosgi.console.enable.builtin=false -Dorg.eclipse.enf.cdo.server.browser.port=7777 -Djava.class.path=D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar -os win32 -ws win32 -ws win32 -arch x86_64 -showsplash -launcher D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher.win32.win32.x86_64_1.1.700.v20180518-1200\eclipse_17 -startup D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher.win32.win32.x86_64_1.1.700.v20180518-1200\eclipse_17 -startup D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher.win32.win32.x86_64_1.1.700.v20180518-1200\eclipse_17 -startup D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar -vauncher.overrideVmargs -console -vm C:\Program Files\Java\jre1.8.0_172\bin\server\jvm.dll -vmargs -Xms4000 -Xms4000 -Xms4000 -Doegi.console.enable.builtin=false -Dorg.eclipse.enf.cdo.server.porte=7777 -Djava.class.path=0:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar	-Xmx4000m
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<pre>-Dosgi.console.enable.builtim=false -Dorg.eclipse.emf.cdo.server.browser.port=7777 -Djava.class.path=D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar -os win32 -ws win32 -ws win32 -ws win34 -launcher D:\VL222926\Desktop\aaaCDOServer\papyruscdoserver.exe -name Papyruscdoserver launcher.D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher.win32.win32.x86_64_1.1.700.v20180518-1200\eclipse_1? -startup D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar launcher.overrideVmargs -debug -console -wm C:\Program Files\Java\jre1.8.0_172\bin\server\jvm.dll -vmargs -Xms4000 -Xms4000 -Dodebug=true -D:VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar</pre>	-Dnet4j.config=configuration/
<pre>-Dorj.eclipse.emf.cdo.server.browser.port=7777 -Djava.class.path=D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar -os win32 -ws win32 -arch x86_64 -showsplash -launcher D:\VL222926\Desktop\aaaCDOServer\papyruscdoserver.exe -name Papyruscdoserverlauncher.library D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_win32.win32.x86_64_1.1.700.v20180518-1200\eclipse_1? -startup D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher.win32.win32.x86_64_1.1.700.v20180518-1200\eclipse_1? -startup D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_is.o.v20180512-1130.jar -vouncher.overrideVmargs -console -vm C:\Program Files\Java\jre1.8.0_172\bin\server\jvm.dll -vmargs -Xms4000 -Smg.eclipse.emf.cdo.server.prowser.port=7777 -Doggi.console.enable.builtin=false -Dorg.eclipse.enf.cdo.server.prowser.prowser.prowser.plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar -Dorg.eclipse.enf.cdo.server.prowser.port=7777 -Djava.class.path=D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar -Dorg.eclipse.enf.cdo.server.prowser.port=7777 -Djava.class.path=D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar </pre>	-Dosgi.console.enable.builtin=false
-Djava.class.path=D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar -os win32 -ws win32 -arch x86_64 -showsplash -launcher D:\VL222926\Desktop\aaaCDOServer\papyruscdoserver.exe -name Papyruscdoserver launcher.library D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher.win32.win32.x86_64_1.1.700.v20180518-1200\eclipse_1; -startup D:\VL22926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher.win32.win32.x86_64_1.1.700.v20180518-1200\eclipse_1; -startup D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar launcher.overrideVmargs -debug -console -vm C:\Program Files\Java\jre1.8.0_172\bin\server\jvm.dll -vmargs -Xms400m -Dmetdj.config=configuration/ -Dosgi.console.enable.builtim=false -Dorg.eclipse.emf.do.server.port=7777 -Djava.class.path=D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar	-Dorg.eclipse.emf.cdo.server.browser.port=7777
-os win32 -ws win32 -ws win32 -arch x86_64 -showsplash -launcher D:\\L222926\Desktop\aaaCDOServer\papyruscdoserver.exe -name Papyruscdoserver launcher.library D:\\L222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar launcher.overrideVmargs -console -vm C:\Program Files\Java\jre1.8.0_172\bin\server\jvm.dll -vmargs -Xms400m -Zms40m -Xms400m -Dodebug=rue -Dodebug=rue -Dodet_iconsige_endic_do.server.port=7777 -Dogsd.clipse.edi.cdo.server.port=7777 -Djava.class.path=D:\VL222926\Desktop\aaaCDOServer\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar	-Djava.class.path=D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar
<pre>-ws win32 -arch x86_64 -showsplash -launcher D:\L222926\Desktop\aaaCDOServer\papyruscdoserver.exe -name Papyruscdoserver -launcher.library D:\L222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_is.o.v20180512-1130.jar -startup D:\L222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar -cansole -console -vm C:\Program Files\Java\jre1.8.0_172\bin\server\jvm.dll -vmargs -Xms40m -Xms400m -Ddebug=true -Dnet4j.config=configuration/ -Dosgi.console.enable.builtin=false -Dorg.eclipse.emf.do.server.port=7777 -Djava.class.path=D:\L222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar</pre>	-os win32
<pre>-arch x86_64 -showsplash -launcher D:\VL222926\Desktop\aaaCDOServer\papyruscdoserver.exe -name Papyruscdoserverlauncher D:\VL222926\Desktop\aaaCDOServer\plugins/org.eclipse.equinox.launcher.win32.win32.x86_64_1.1.700.v20180518-1200\eclipse_1; -startup D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_i.5.0.v20180512-1130.jarlauncher.overrideVmargs -debug -console -vm C:\Program Files\Java\jre1.8.0_172\bin\server\jvm.dll -vmargs -Xmx4000m -Ddebug=true -Ddebug=true -Ddebug=true -Ddebug=true -Domet4j.config=configuration/ -Dogsd:console.enable.builtin=false -Dorg.eclipse.ent_cdo.server.prove.pr</pre>	-ws win32
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<pre>-name Papyruscdoserver launcher.library D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher.win32.win32.x86_64_1.1.700.v20180518-1200\eclipse_1; -startup D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar launcher.overrideVmargs -debug -console -vm C:\Program Files\Java\jre1.8.0_172\bin\server\jvm.dll -vmargs -Xms400m -Ddebug=true -Ddebug=true -Ddebug=true -Ddebug=true -Dorg.eclipse.emf.cdo.server.port=7777 -Dogs.clipse.emf.cdo.server.browser.port=7777 -Djava.class.path=D:\VL222926\Desktop\aaaCDOServer\\plugins/org.eclipse.equinox.launcher_1.5.0.v20180512-1130.jar</pre>	-launcher D:\VL222926\Desktop\aaaCD0Server\papyruscdoserver.exe
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