

Installation (USB)

Overview

This tutorial explains how to install various tools from the USB drive. The following tools are required by in the exercises:

Tutorials	Required tools
All	INTO-CPS Application and COE
Tutorial 3	Modelio
Tutorial 4	Overture, Overture FMI Plug-in

1 INTO-CPS Application

Step 1. Navigate to the root directory of the USB.

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File Home Share View				~ ?
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Quick access Desktop Quick access Downloads Quick access Downloads Quick access Downloads Quick access Downloads Quick access Quick ac	ples e-repo ps-app-3.4.4-rc-darwin-x64.zip ps-app-3.4.4-rc-linux-x64.zip ps-app-3.4.4-rc-win32-ia32.zip ps-app-3.4.4-rc-win32-x64.zip	Jean	Dat 06/ 30/ 30/ 30/	e modified 12/2017 01:26 12/2017 01:27 11/2017 22:41 11/2017 22:41 11/2017 22:41 11/2017 22:41
7 items				>

Step 2. Find the .zip file corresponding to your operating system, and extract the contents. The INTO-CPS Application is portable and doesn't need installation.

Ken Pierce, October 2016

Step 3. Run the INTO-CPS Application from where you extracted it.

See INTO-CPS App		-	×
File Edit View Window Help			
	INTO-CPS > welcome		
	Welcome to the INTO-CPS Application		

2 Co-simulation Orchestration Engine (COE)

The INTO-CPS Application has a *Download Manager* that provides access to all tools in the tool chain. The latest version of the download repository is included on the USB drive. If you wish to use the internet, skip to Step 7.

Step 4. You need to tell the INTO-CPS Application where the USB repository is. To do this, run the INTO-CPS Application and select *Window* > *Show Settings*.

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File Edit View	Window Help				
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	Show Settings	Alt+S	Welconne		
	Show Download Manager Show FMU Builder		O-CPS Application version 3.4.3		
	Close	Ctrl+W			
			-		
COE Console	COE Log Trace	e Daemon L	og		

Step 5. Scroll down to find Local Update Site, press the pen icon.

Sew INTO-CPS App —		×	
https://raw.githubusercontent.com/into-cps/into-cps.github.io/developmer		•	
Examples URL 🚯			
https://raw.githubusercontent.com/into-cps/into-cps.github.io/examples-defined and the second seco			
Development Mode Examples URL 6			
https://raw.githubusercontent.com/into-cps/into-cps.github.io/examples-d			
Default Project Location 3			
C:\Users\ken\Documents\Repositories\intocps-pilots			
Enable Traceability 🚯			
Local Update Site 🚯	\frown		
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Enable Local Update Site 🚯			
Number of Samples in Graph [3]			
1000	A. MARK		
✓ Save		-	

Step 6. Set the path to the offline-repo directory of the USB stick in the following way:

- Windows: *file:d:\offline-repo*
- OSX: file:/Volumes/USB_DISK/offline-repo
- file:/media/USB_DISK/offline-repo

Also check Enable Local Update Site.

Default Project Legation	
C:\Users\ken\Documents\Repositories\intocps-pilots	
Enable Traceability 🚯	
file:d:\offline-repo	– 1. Path
Enable Local Update Site 🚯	
	– 2. Check
Number of Samples in Graph	
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Step 7. Now go to *Window > Show Download Manager*.

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			Clos	e		Ctrl+W			
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Step 8. Click on the latest release.

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0.0.	18			
0.0.	.17			
0.0.	.16			
0.0.	.15			
0.0.	.14			
			-	

Step 9. Scroll down to *Co-simulation Orchestration Engine - Co-simulation Orchestration Engine* and click on the arrow button to install the COE.



3 Modelio, Overture, etc.

The repository online, and on the USB disk, contains all tools within the INTO-CPS tool chain

- Step 1. Open the Download Manager as above, and navigate to the latest version.
- Step 2. Locate the tool you want and click the download arrow. This will copy the file to your computer and tell you where the file is.
- Step 3. Locate the file and install as required.
 - Modelio and Overture are Eclipse-based and portable, so simply need extracting as with the INTO-CPS Application.
 - 20-sim and RT-Tester are bundles with installers.

4 Overture FMI Plug-in

- Step 1. Run Overture.
- Step 2. Select *Help > Install New Software...*
- Step 3. In the Install window click Add.



Step 4. Click Archive.

	Archive	
Sadd Repository	×	<
Name:	Decal	
Location: http://	Archive	
0	OK Cancel	

Step 5. Locate *offline-repo/0.0.19/overture-fmu/any/overture-fmu.p2.zip* on the USB disk and then click *Open*.



Step 6. Check Overture FMI Integration then click Next.

Overture FMI Integration

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Available Softwa	ire			
Check the items the	at you wish to insta	all.		
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type filter text				
Name			Version	
> 🕖 Overture FN	Al Integration			
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Show only the lat	est versions of ava	ilable software	e 🗹 <u>H</u> ide item	s that are already inst
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Show only softwa	are applicable to ta	rget environm	ient	
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Step 7. Click Next, then accept the license and click Finish to install the plug-in.