## Nucleus EDGE Debugger Target Selection Use-case

Nucleus EDGE uses a wizard to select a target. The wizard creates an Eclipse launch configuration for connecting to the target.

On the first page of wizard, the user selects the type of target that will be connected to. This is bascially just a filter for the target list.

🚺 Connect and Load Image Wizard	
Select Launch Type	
Select this option to debug a real hardw	are target
🔿 Sim	ulation
Debuş	g using a hardware simulator
	dware
12	g a real hardware target
O Hos	st
Debuş	g the local workstation
	< <u>B</u> ack Next > Finish Cancel

On the next page of the wizard, the user selects the target. The list is composed from a collection of target definition .xml files. These files define cores, registers, peripherals, memory layout, and other target attributes. Currently, these files must be manually edited, but we are working on a target editor with an interface similar to the PDE plug-in manifest editor along with associated 'New' wizards.

📅 Connect and Load Image Wizard	×
Select Target Select your target processor or development I This provides information about processor arch other aspects of the hardware environment.	
Select Torget	Cores for Target  Cores for Ta
	< <u>B</u> ack Next > Einish Cancel

On the next page of the wizard, the user selects and configures the 'transport' that will be used in target connection.

Connect and Load Image Wiz	ard	8	🚺 Connect and Load Image Wizar	rd	8
	te list below. This provides information about the physical iter and your development hardware.	2	Set Connection Parameters Adjust the settings below to reflect your or default settings.	development setup, or click Next to accept the	Q
-40 CLUMon -40 Gateway -40 KMC -40 CCD -40 RD	3 BDI Ethemet         -3 BDI Serial         3 EPI MAIC         -3 Multi-CE         -3 RemoteA		Endianess Connect Mode Processor Variant Multi-ICE TaP Multi-ICE Server Location Trace Capture Location Trace Elorate	Little DEFAULT ARM/TD/MI 0 loccalhost	
	<gock next=""> Britin Cor</gock>	cel		<gock next=""></gock>	Cancel

On the next page of the wizard, the user selects options for loading images to the various target cores.

🚺 Connect and Load Image	Wizard 🛛
Set Load Options	
Specify whether to set the progr	whether to download the image and debugging symbols. am counter to the starting address of the image. to Symbol box to execute the program to that point after
Do not download image to	target
O Specify external image:	Browse
• Select project output:	ARM_Simulation
✓ Load Image	
✓ Load Symbols	
Set program counter	
Run To Symbol main	
Initialization Codelet File C:\.	
Ø	
	< <u>§ack</u> Next> Einish Cancel

When the wizard completes, an Eclipse launch configuration is created. The configuration has tabs for editing connection parameters and image load options.

	RDI		
Connection	n: Multi-ICE		Edit Connection
Endia	ness	Little	-
Conne	ect Mode	DEFAULT	•
Proce	ssor Variant	ARM7TDMI	▼
Multi-	ICE TAP	0	•
Multi-	ICE Server Location	localhost	
Trace	Capture Location		
Trace	library	<b>F</b>	
Enabl	e Semihosting	true	▼
Semih	ostina Type	STANDARD	- M
<			>