SEA 6.3 Release Notes

SEA 6.3 implements new features:

- Create any kind of chains and use it to **baseline** objects or **generate Excel or Word document**,
- Manage **changes request** throw the Chain objects
- Create a network to group and propagate data between components thanks to the new **Message**,
- Control **impact analysis** and apply changes of the model **to the Chains**,
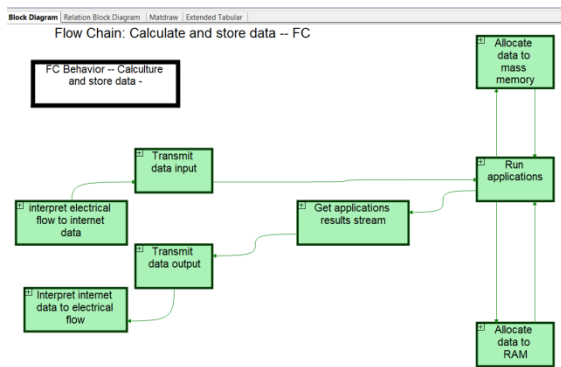- Create your **Scenario** and use it in a **Validation** Campaign. Report Campaign result to your Requirements.

➔ Baselining and change management

➤ The View 'Baseline Chain' allows creating a Chain and add any kind of object in it.
Then, you can use arKItect Baseline mechanism to create revision and / or control changes on a set of objects. You can also generate Excel or Word document with the format you configure.

➔ In view 'Baseline Chain', you can also add object 'Change Request'. In the chain, all objects will be the scope to be updated to meet a need. Once the change is validate, Change object shall be passed to "Accepted"

Message mechanism

➤ Build a network easily thanks to the new Message mechanism. Propagate data through the network, construct automatically the mux and demux that host messages and data sharing between two components.
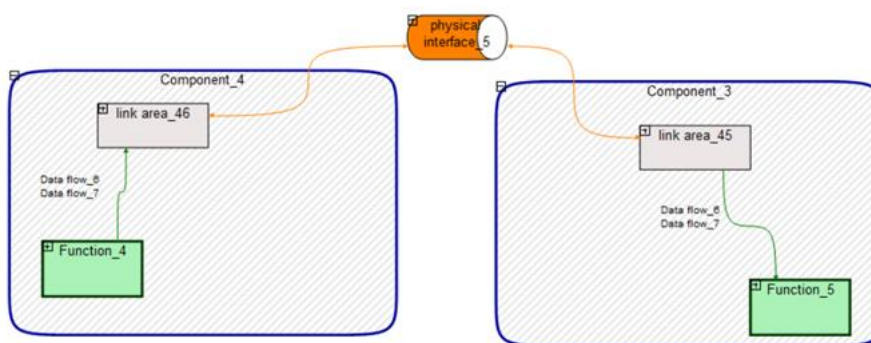
Propagate data to link area by copy them into interface
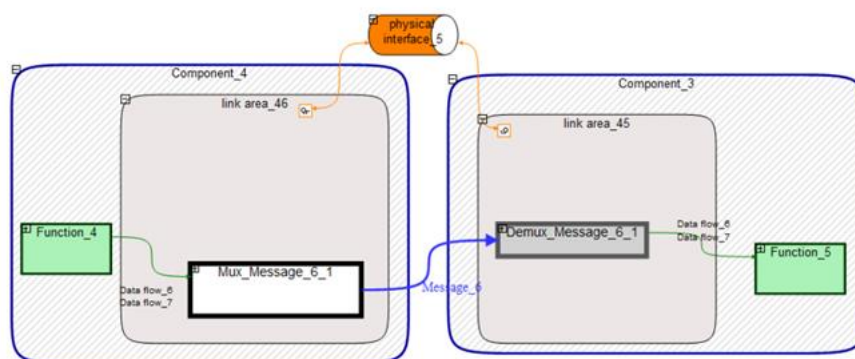
- Automatic creation of mux/demux on adding message flow
- Propagation of data in the network on allocating data to message

➔ Impact analysis of model changes in a Chain

➤ All view where Flow Chain can be added have been updated to integrate "check chain" script.

This script analyses the model and list of candidate objects to be added to the Chain
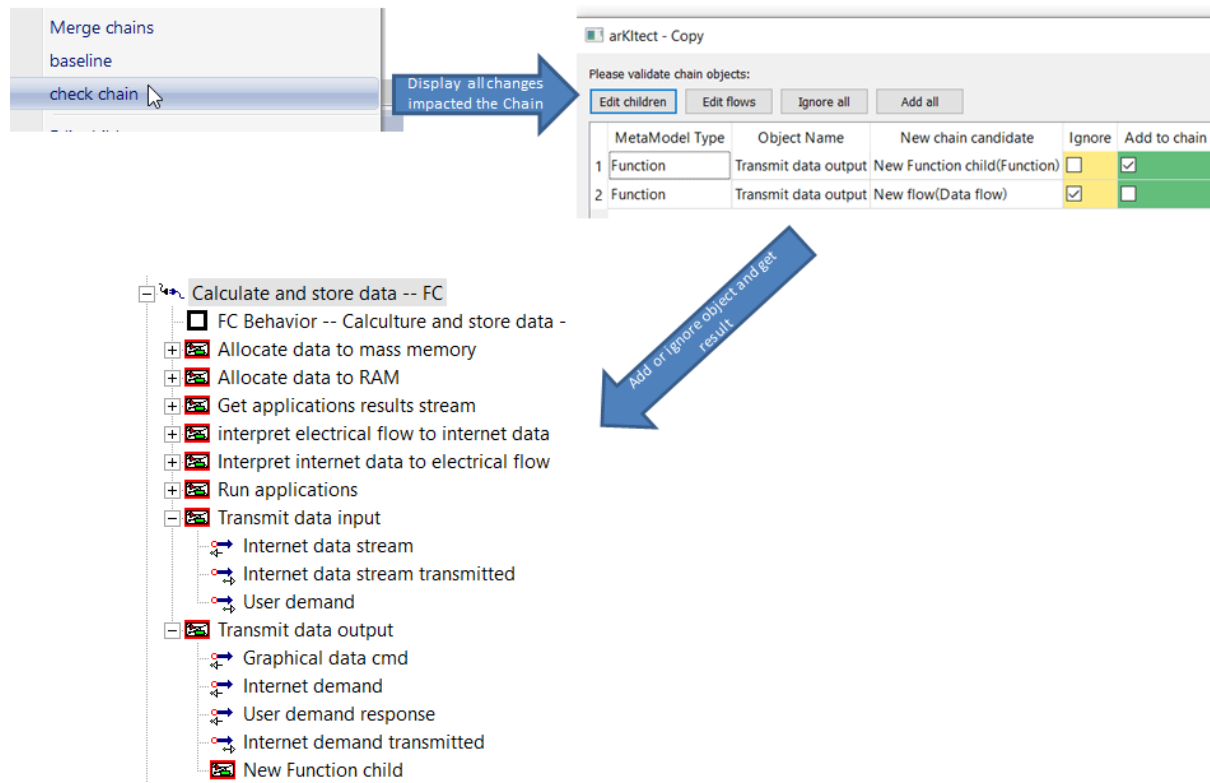
➔ Validation Plan

In SEA 6.3, Validation campaigns are a set of "Scenario" where you can descript all sequences of Tests / Test steps to be realized to validate your system.
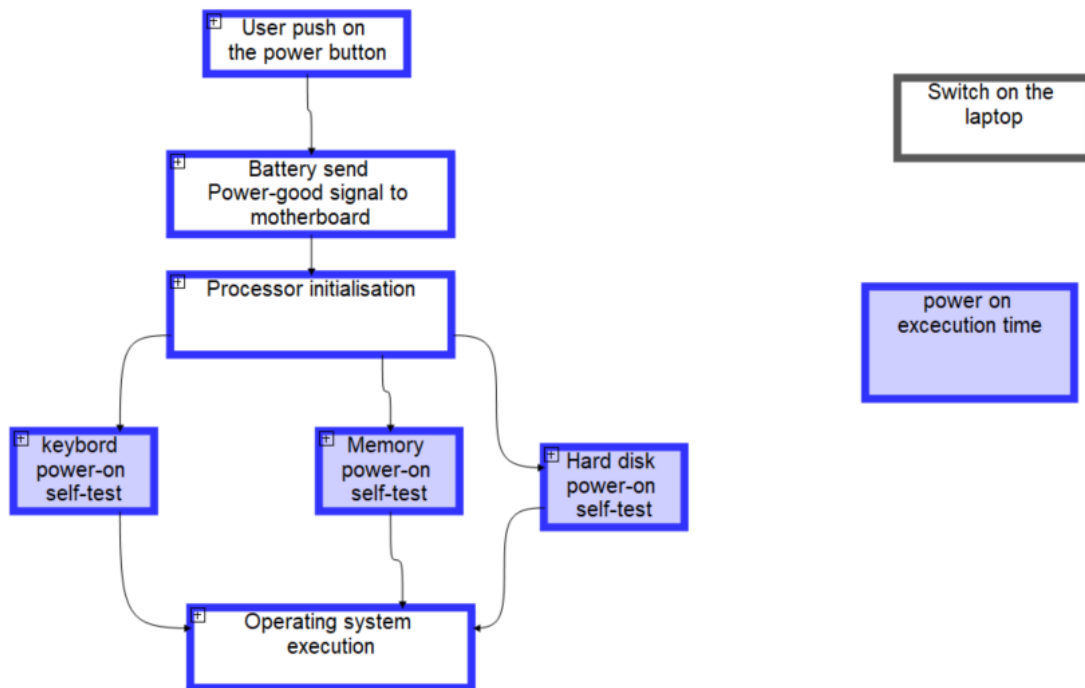
An Operation will be created automatically for each Test / Scenario and theirs results will be propagated to Scenario, Tests and parent Requirements

power on excecution time	
General	
Type	Test
Name	power on excecution time
Revision	1.0
Attributes	
00. Validation State (Attribute Group)	
Validation Campaign results (M...	VC (CHAIN__0020, VC - Switch on the laptop, 11/10/2021)
	- Scenario (CHAIN__0017, Switch on the laptop, 1.0): Test revision 1.0 OK
Verdict (Enum)	Pass

General

Type	Scenario Properties
Name	Switch on the laptop
Revision	1.0

Attributes

00. Validation State (Attribute Group)	
Validation Campaign results (M...	Revision 1.0: VC (CHAIN__0020, VC - Switch on the laptop, 11/10/2021) : Pass
Verdict (Enum)	Pass

01. Scenario definition (Attribute G...

Switch ON-OFF the Laptop

General

Type	Requirement
Name	Switch ON-OFF the Laptop
Revision	1.0

Attributes

Main (Attribute Group)	
ArkiId (String (255))	REQ_LT_0101
Attachment (Saved File)	
desc (Markup)	
Rationale (MEMO)	
Requirement type (Enum)	Functional requirement
state (Enum)	Draft

Secondary (Attribute Group)	
+ 1. Global (Attribute Group)	
+ 2. Safety (Attribute Group)	
+ 3. Export formatting (Attribute...	
- 4. Validation (Attribute Group)	
Validation result (MEMO)	Revision 1.0: VC (CHAIN__0020, VC - Switch on the laptop, 11/10/2021) : Pass - Scenario (CHAIN__0017, Switch on the laptop, 1.0): Test (TU_LT_0026, power on excecution time) revision 1.0 OK