

## Good habits for modeling a system using SysADL Studio

1 - When defining element names, do not use accents, special characters, or whitespace. Underline is allowed.

2 - Do not assign equal names to the elements. **Pay attention to this!** Error messages of type *An internal error occurred during: "Saving Models and Representations for project XXXX. No EObjectDescription could be found in Scope..."* refer to duplicate names.

3 - If you need to add a port to a component in the BDD and this component is already instantiated in the IBD, the added port will NOT automatically appear in the IBD. In this case, one of the following solutions should be adopted:

- Delete the component in the IBD and instantiate it again (see item 4).
- Open the .sysadl file in textual mode and manually add the port in the component configuration.

4 - If it is necessary to delete a component in the IBD, before doing so delete all the connectors of this component in the IBD, only then delete the component and then instantiate it.

5 - Be sure to assign types to the connectors in the BDD before instantiating them in an IBD.

6 - You will not be able to use/reference elements of another package if you do not import the package in which the elements you want to use meet. This import is performed in the Package Diagram, through the relationship "*import*".

7 - To create an Activity Diagram you need to click exactly on the phrase "*Open Activity Diagram*", located inside the activity. If you click anywhere else within the activity, you will create a Parametric Diagram.

8 - Before creating the Parametric Diagram, be sure to reference the Constraint used by the action using the "*Constraint Use*" option.

9 - When adding a Datastore or a Buffer in the Activity Diagram it is necessary to define the type of data they store, otherwise it will not be possible to save the diagram.

10 - When creating an enumeration in the BDD, it is necessary to define its values through the option "*Element Enum*". Otherwise, it will not be possible to save the diagram.

11 - When creating an Executable in BDD don't add the Expression element. **Expressions will only be added via textual mode** in the .sysadl file, as directed in the SysADL Studio Manual.