


Start Telelogic Tau SDL and TTCN suite 4.2.

1 Setting directories

Before you create a system and draw diagrams, check that you have set working directories correctly:

1. Edit directories (Double click  in Organizer)
2. Change source directory:
`C:\Telelogic\SDL_TTCN_Suite4.2\bin\wini386\` →
Browse to your home directory and choose a folder (create a new folder if necessary).
3. Change target directory:
`C:\Telelogic\SDL_TTCN_Suite4.2\bin\wini386\` →
Browse to your home directory and choose a folder (create a new folder if necessary).
4. Click the *OK* button.

2 Renaming a chapter

1. Select the chapter *SDL System Structure*.
2. Select the *Edit* menu choice from the *Edit* menu. (You may also double-click the chapter.)
3. In the dialog that opens, make sure the option *Edit chapter symbol* is selected and click the *Edit* button.
4. Change the document name in the opened *Edit* dialog; for instance to **My first SDL system**. Do **not** change the document type indicated by the *Organizer* button and the option menu value *Chapter*.
5. Make sure the *Show in editor* button is turned **off**.
6. Click the *OK* button.

3 Saving the system and the diagram structure

The Organizer saves its view, along with a number of options, on a dedicated file called the system file. System files are used as a means to maintain the consistency of an SDL structure and provide immediate access to the diagrams that are defined in the structure.

The system file is represented by its own icon at the top of the Organizer view, a rectangle with "SDT" in it. Even though the system file has not yet been saved, the Organizer has assigned a file name for it.

To save the system file:

1. Select the *Save* command from the Organizer's *File* menu. The Organizer responds by issuing the Save dialog.
2. The tool suggests a file name to store the information on: `untitled.sdt` (system files are by default assigned the extension `.sdt`). Change the file name to `demongame.sdt` and accept it by clicking the *Save* button.

Once a system file has been created, the diagram structure and the Organizer options are saved for future sessions. You *Open* an existing system file from the Organizer's *File* menu.

4 Creating an SDL system

1. Make sure the chapter *My first SDL system* is selected.
2. Select the *Add New* command from the *Edit* menu. The *Add New* dialog opens, prompting you to specify the name and type of diagram to add.
3. Specify the *New document type* as *SDL*, and specify the SDL diagram type as *System*, as depicted above.
4. Specify the *New document name* as **DemonGame** (the default name, *Untitled*, disappears).
5. Make sure the *Show in editor* button is turned **off**.
6. Click the *OK* button.

The dialog disappears and the Organizer window is updated with a root node -- system **DemonGame**. Note that the diagram is identified as being [unconnected], meaning that there is no connection to a physical file.

5 Editing the SDL system

1. Select the **DemonGame** SDL system diagram icon.
2. From the *Edit* menu, select the menu choice *Edit*.
 - You may also press the **right** mouse button while pointing on the icon -- a popup menu appears -- select the sub-menu *Edit* and the menu choice *Edit*.
 - Another way to edit the diagram is to double-click the icon with the left mouse button.
2. The *Edit* dialog opens, suggesting to create a new diagram and to *Show* the diagram *in editor*. (The dialog is very similar to the *Add New* dialog you just used.) Accept the suggestion by clicking *OK*.
3. The SDL editor opens.

6 Saving the SDL system

1. Now, save the SDL diagram by selecting the *Save* menu choice from the *File* menu.

2. A file selection dialog is displayed. This is a generic dialog that Telelogic Tau opens whenever you are prompted to specify a file (to open, to save, etc.). The title of the dialog shows the nature of the operation, *Save* in this case.
3. The SDL Editor suggests a file name to store the diagram on: `DemonGame.ssy`. You may change to any file name; we assume however in this tutorial that you accept the suggested file name. So, simply click the *OK* button to accept the file name. The diagram is now stored on file. If you look at the title of the SDL Editor window, you may see that the diagram has been saved on file.
4. Exit the SDL editor.

Note, that after you saved the SDL system, the file name in Organizer has changed from `[unconnected]` to `DemonGame.ssy`.

At the end, save the system file (Select the *Save* command from the Organizer's *File* menu.) and exit the Telelogic Tau.

<p><i>Next week on the exercises: MSC diagrams</i></p>
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