Organize DITA Files using p4v

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Contents

- Introduction to Oxygen XML

- How to open and edit p4 DITA file in Oxygen XML

- Purpose of Check-out

Introduction to Oxygen XML

1. DITAMAP

DITA maps are documents that organize topics and other resources into structured collections of information. DITA maps specify hierarchy and the relationships among the topics; they also provide the context in which keys are defined and resolved. DITA maps impose an architecture on a set of topics.
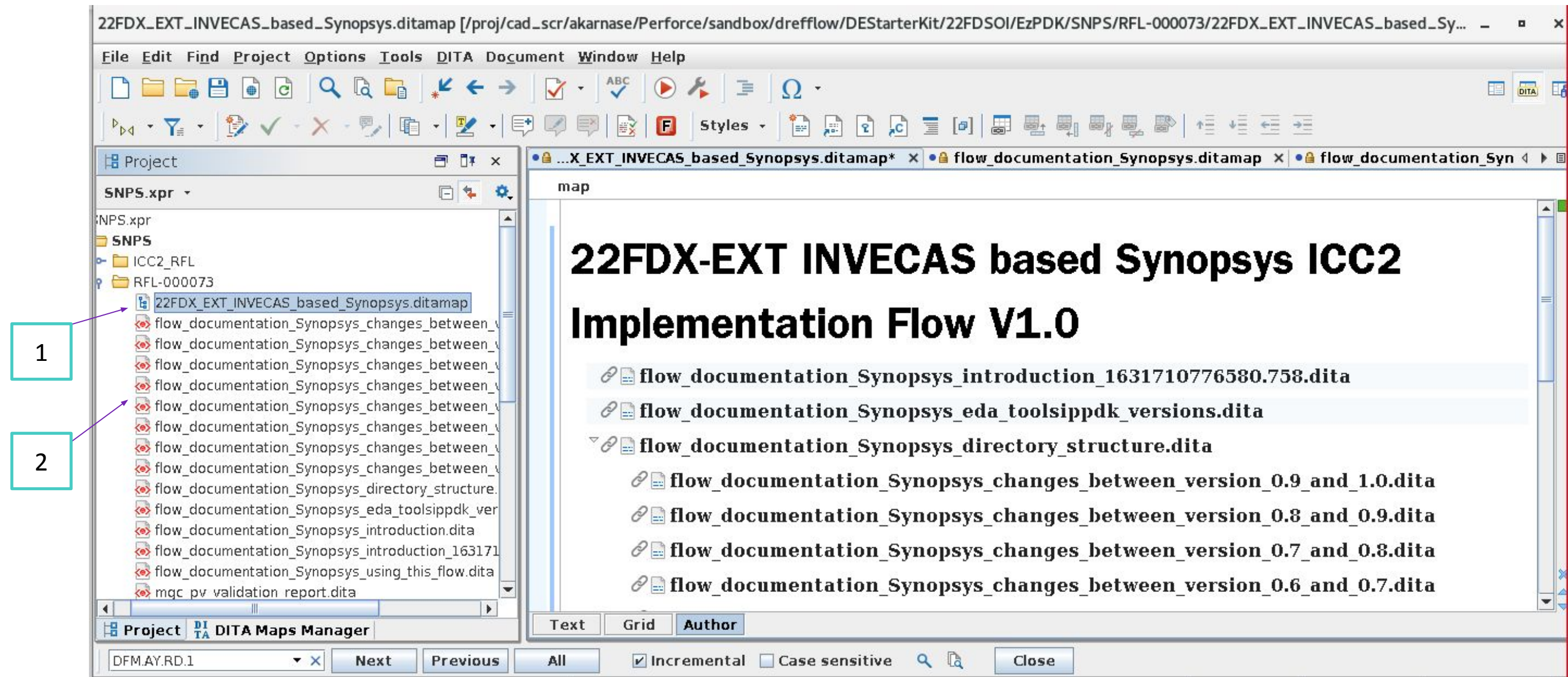

2. DITA

A set of document types for authoring and organizing topic-oriented information.

To know more about Oxygen XML refer to: https://deweb.gfoundries.com/pdk/EzPDK/guide/Modules/Module_0_Introduction_to_EzPDK_training.html

How to open and edit p4 DITA file in Oxygen XML

Step1: Open the p4 directory

The below image showing the p4 path for

RFL-000111 (///drefflow/DEStarterKit/22FDSOI/EzPDK/SNPS/RFL-0001 11).
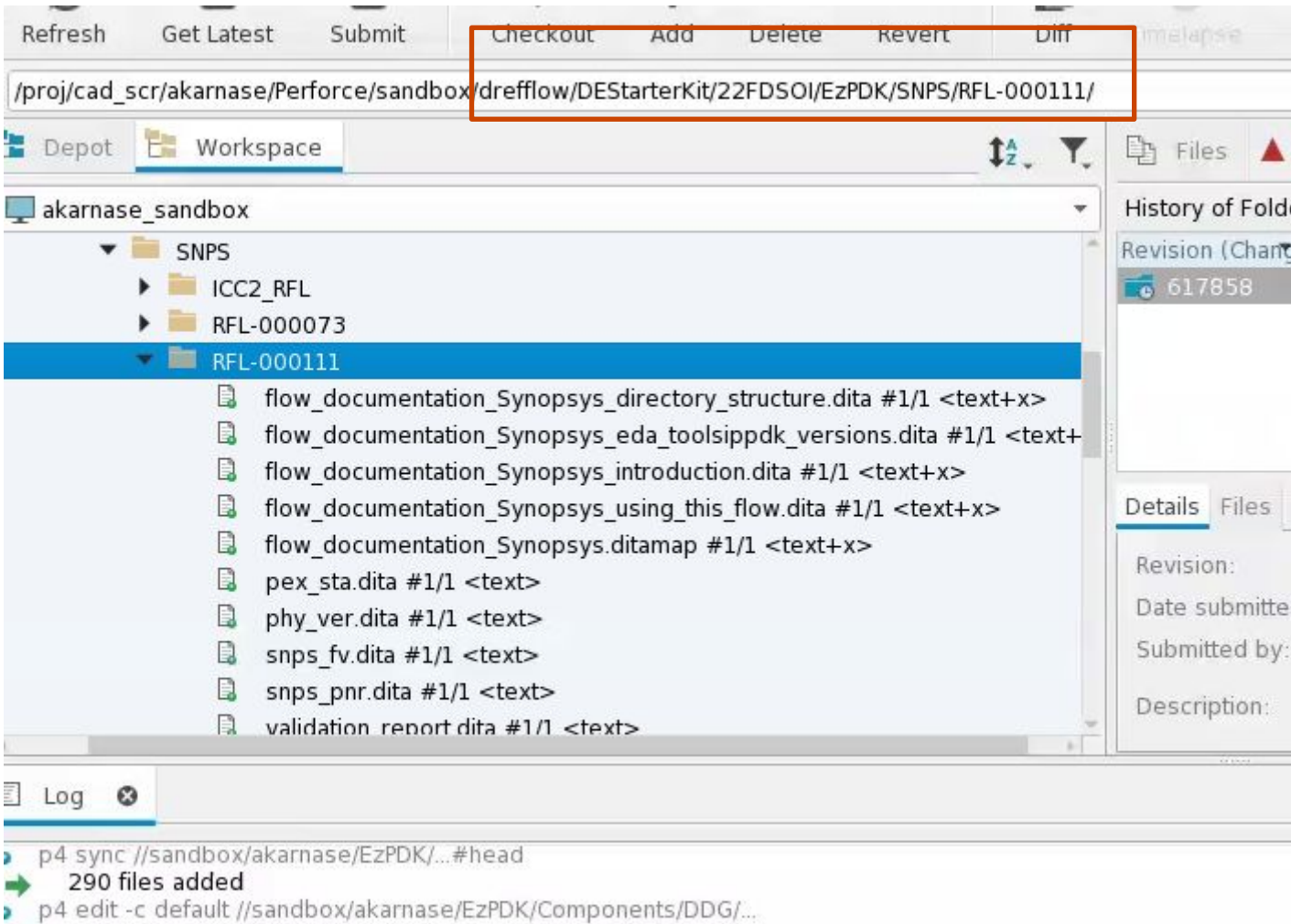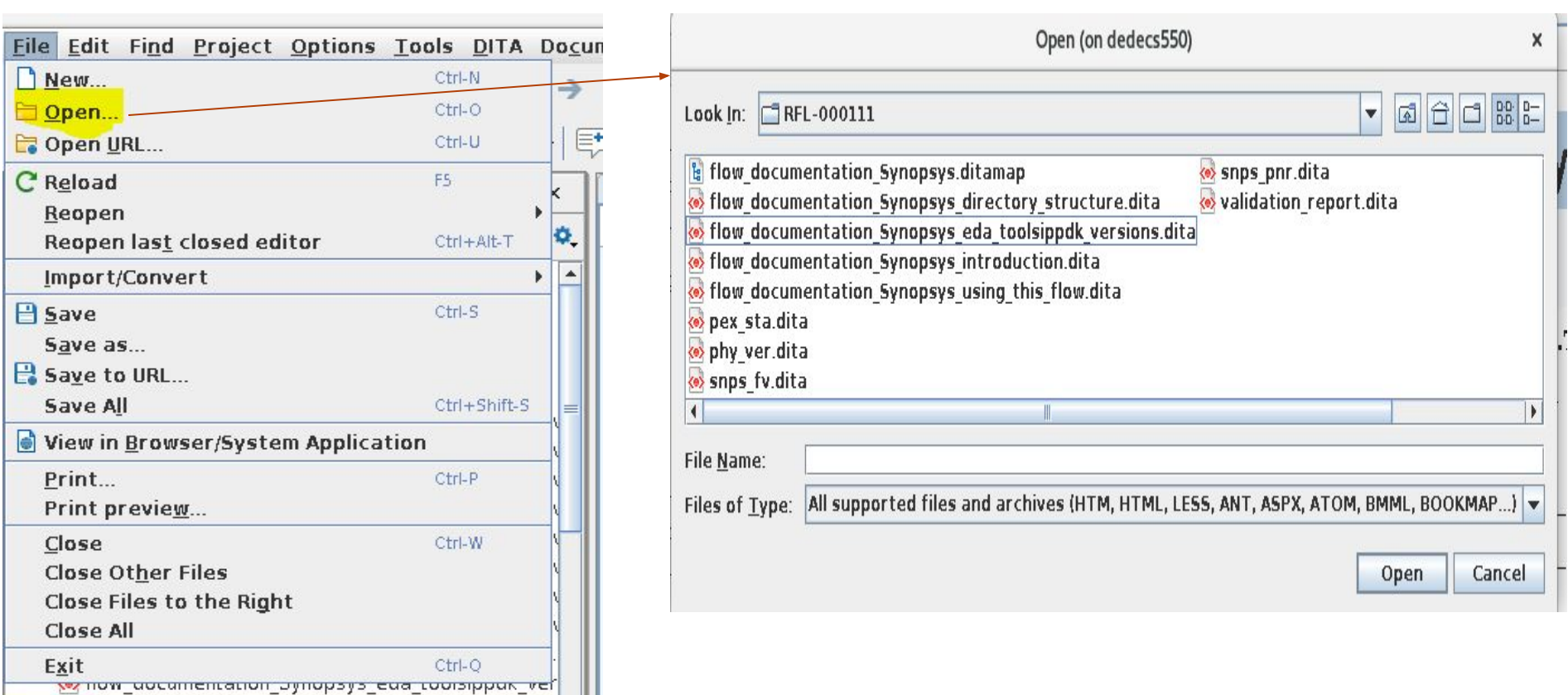

Step2: Checkout the file

Checkout the file which we want to edit. Select the file and right click on it, click on the **Check Out**. Then new pop-up window will open and click on **OK**. After checking out the file, file is ready to edit.
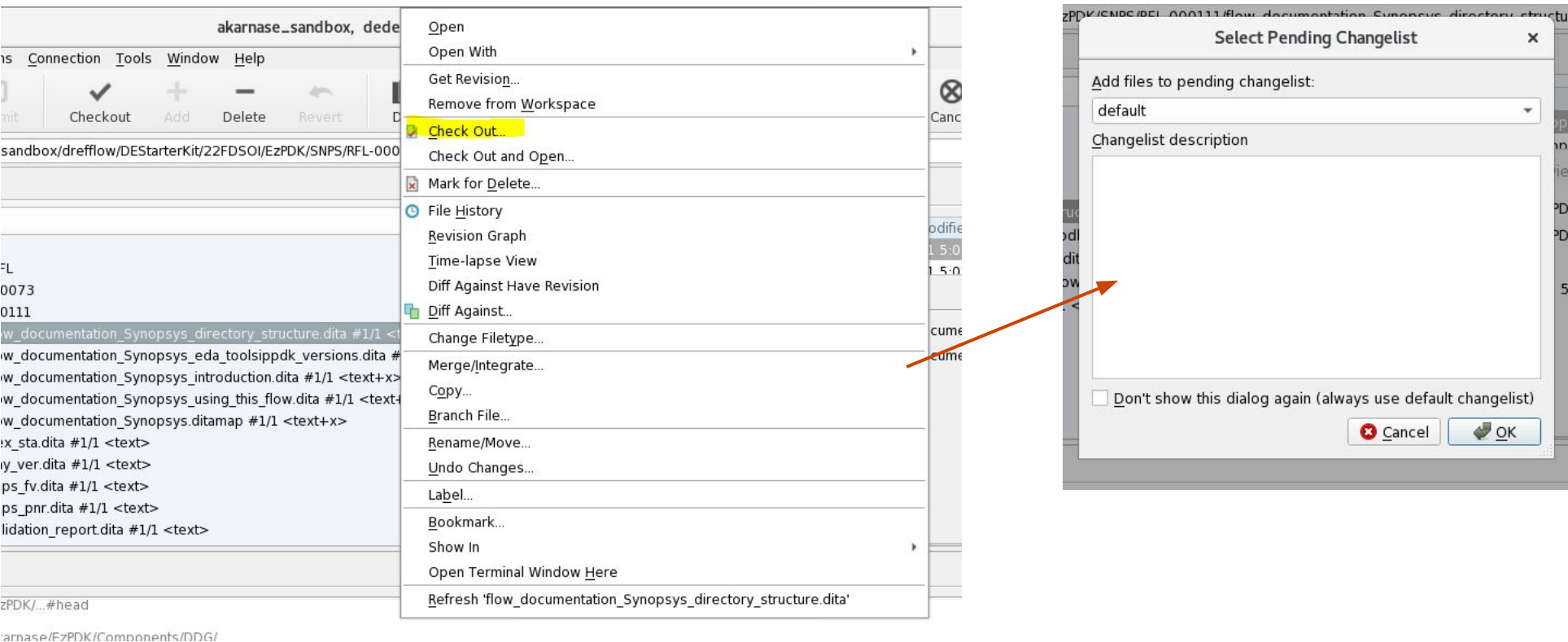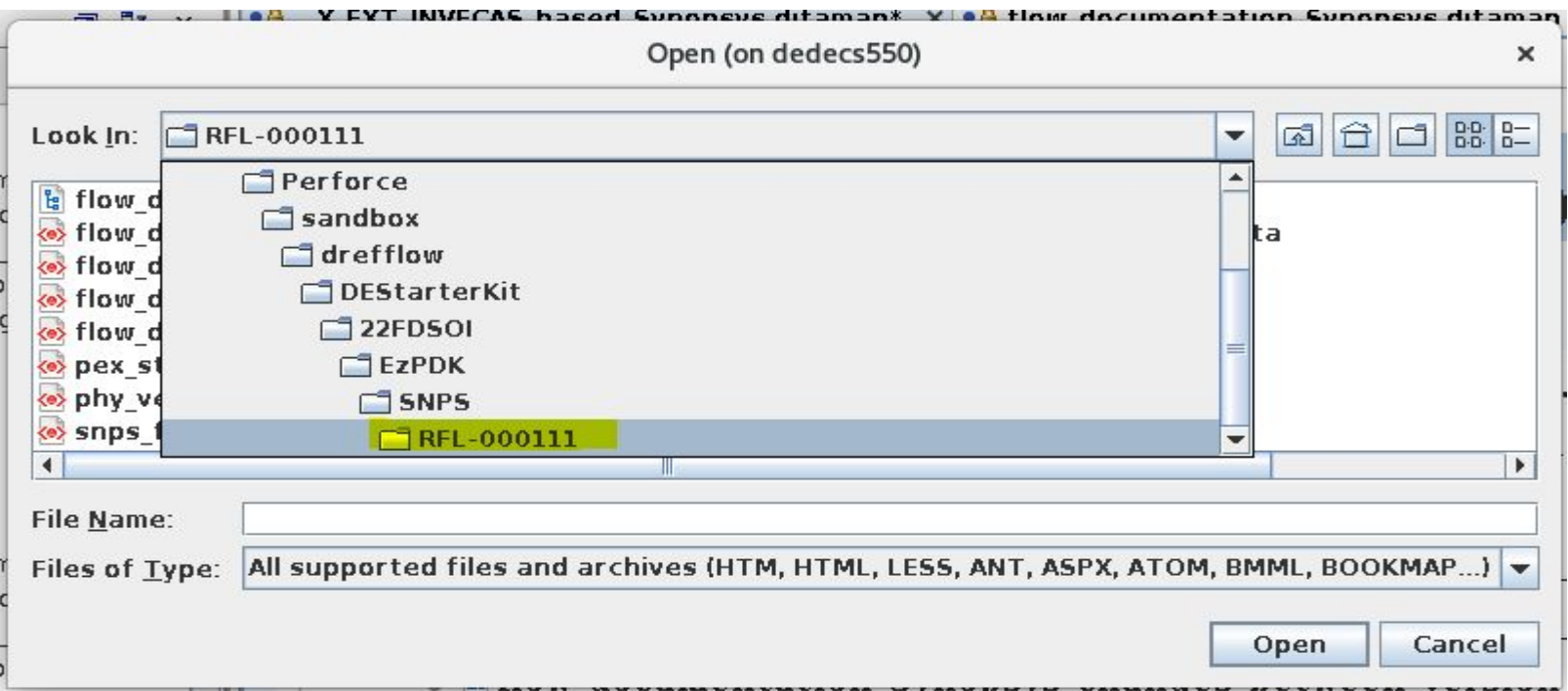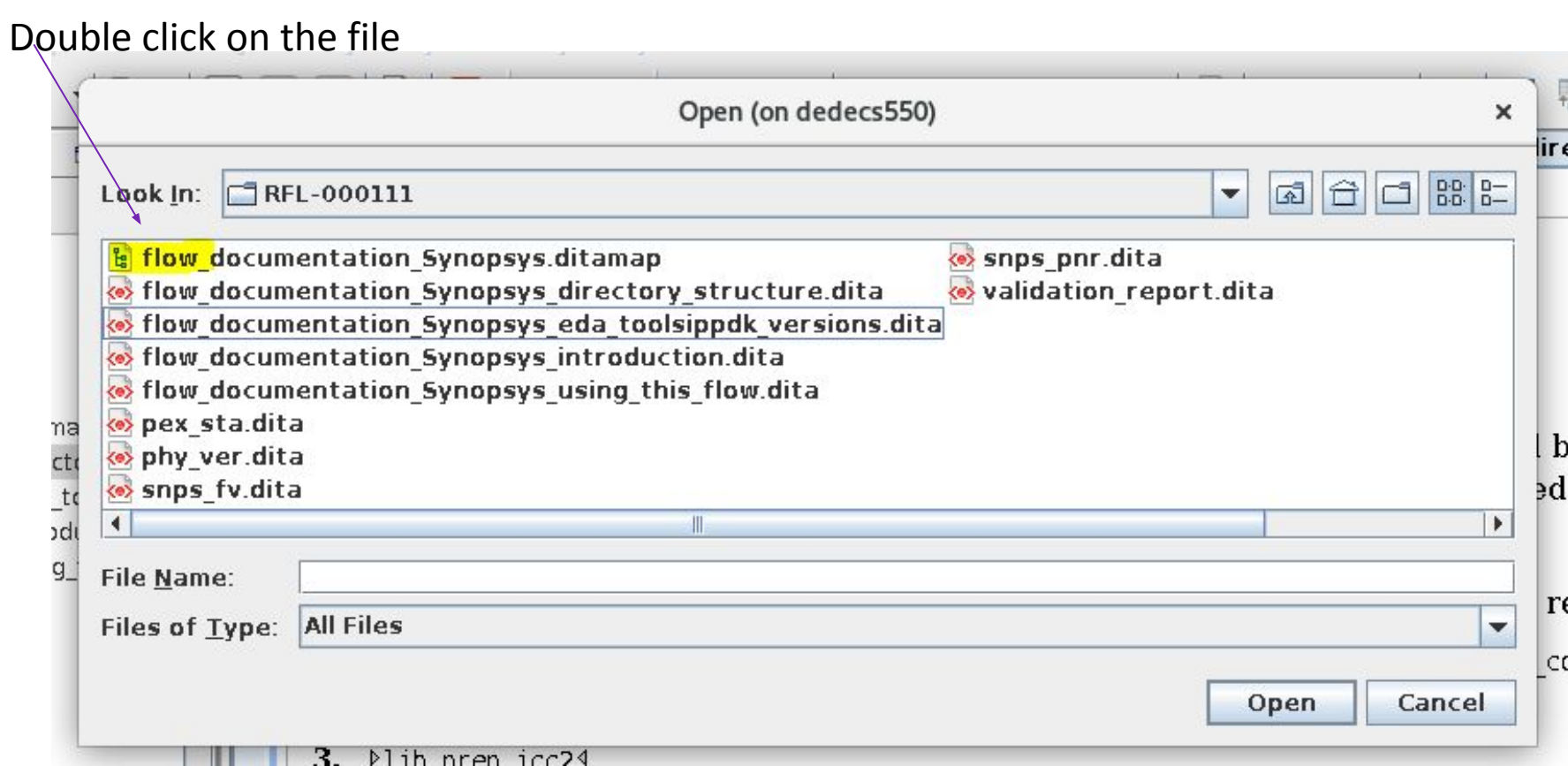
Step3: Open the DITA file in Oxygen XML

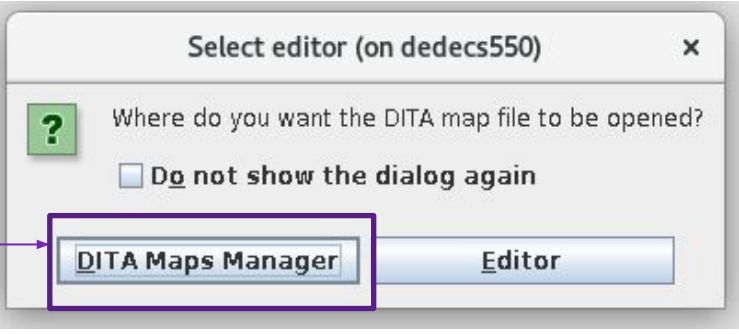1. Go to: File menu>Open, then new pop-up window will open showing all files which we want open.

2. To search other directory click on the dropdown menu which is shown below
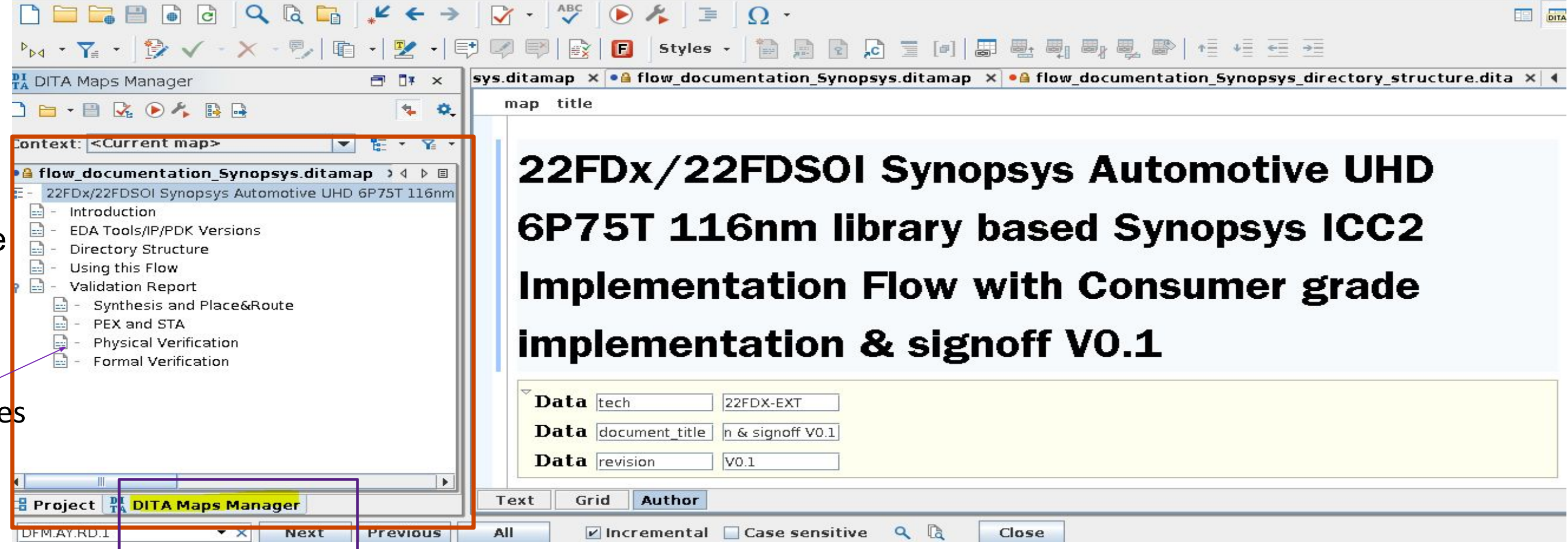

3. Open the .ditamap file

Double click on the file

4. Once double-click on .ditamap, We will get this pop-up, and click on **DITA Maps Manager,** then we will get all files open in DITA Maps Manager.
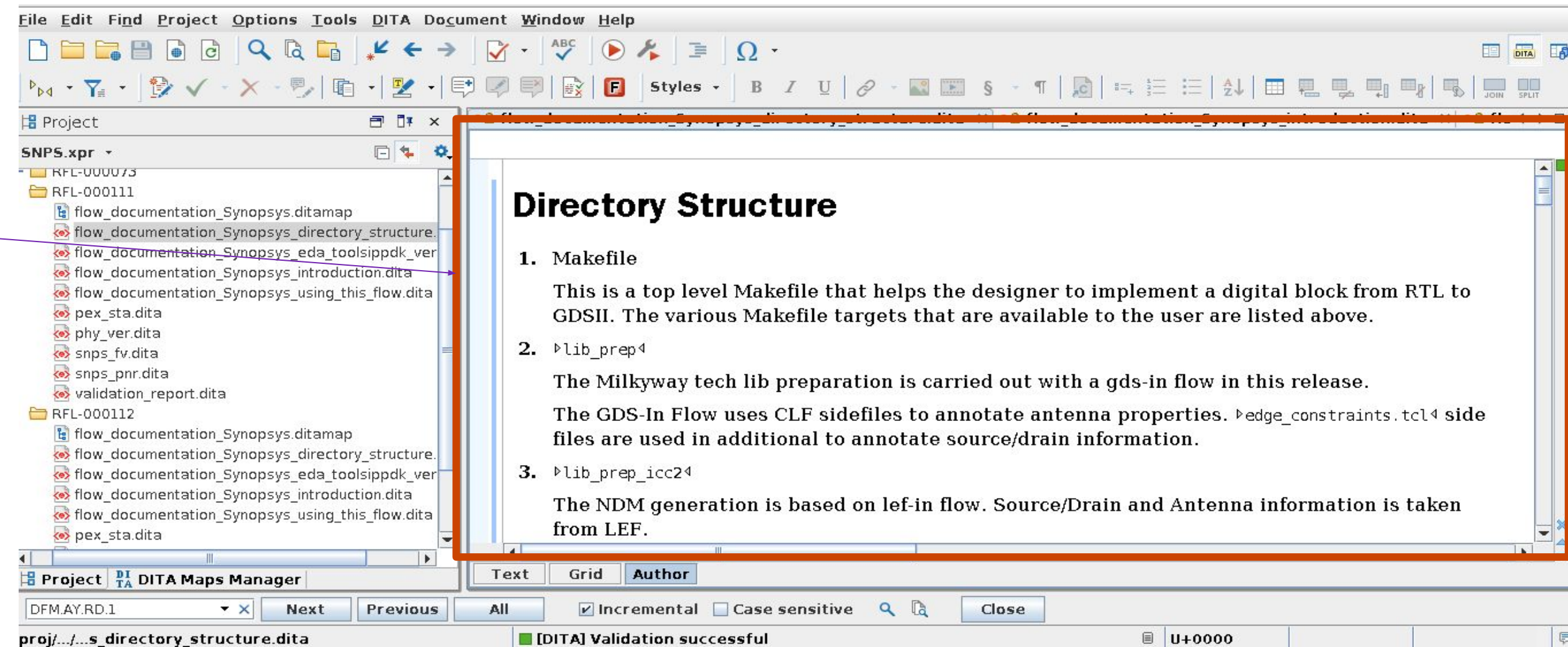
5. We will get all file opened in DITA Maps Manager and then click the DITA file which we want to edit.
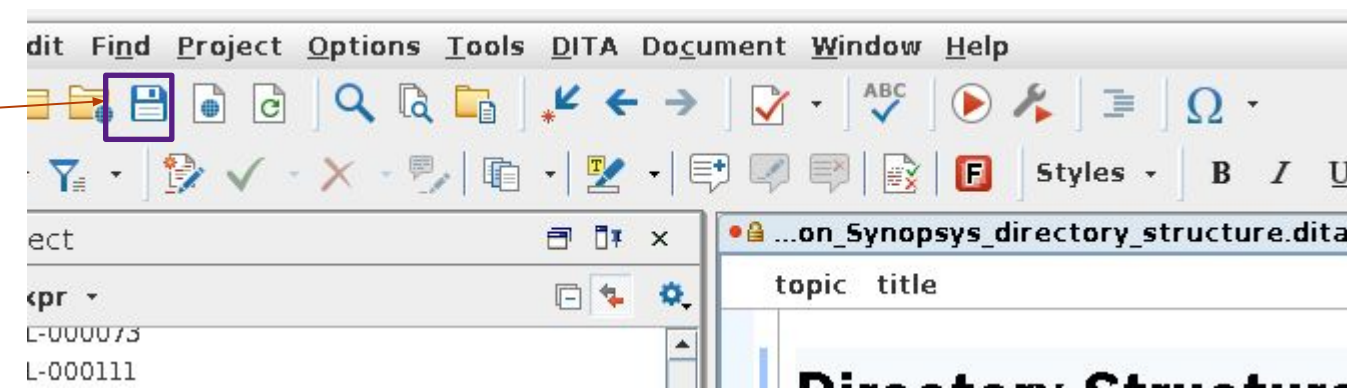
Dita files

22FDx/22FDSOI Synopsys Automotive UHD 6P75T 116nm library based Synopsys ICC2 Implementation Flow with Consumer grade implementation & signoff V0.1

Data	tech	22FDX-EXT
Data	document_title	n & signoff V0.1
Data	revision	V0.1

6. The window which is marked is the working area where we can make the changes to the DITA file.

Directory Structure

1. Makefile

   This is a top level Makefile that helps the designer to implement a digital block from RTL to GDSII. The various Makefile targets that are available to the user are listed above.

2. ▷lib_prep◁

   The Milkyway tech lib preparation is carried out with a gds-in flow in this release.

   The GDS-In Flow uses CLF sidefiles to annotate antenna properties. ▷edge_constraints.tcl◁ side files are used in additional to annotate source/drain information.

3. ▷lib_prep_icc2◁

   The NDM generation is based on lef-in flow. Source/Drain and Antenna information is taken from LEF.
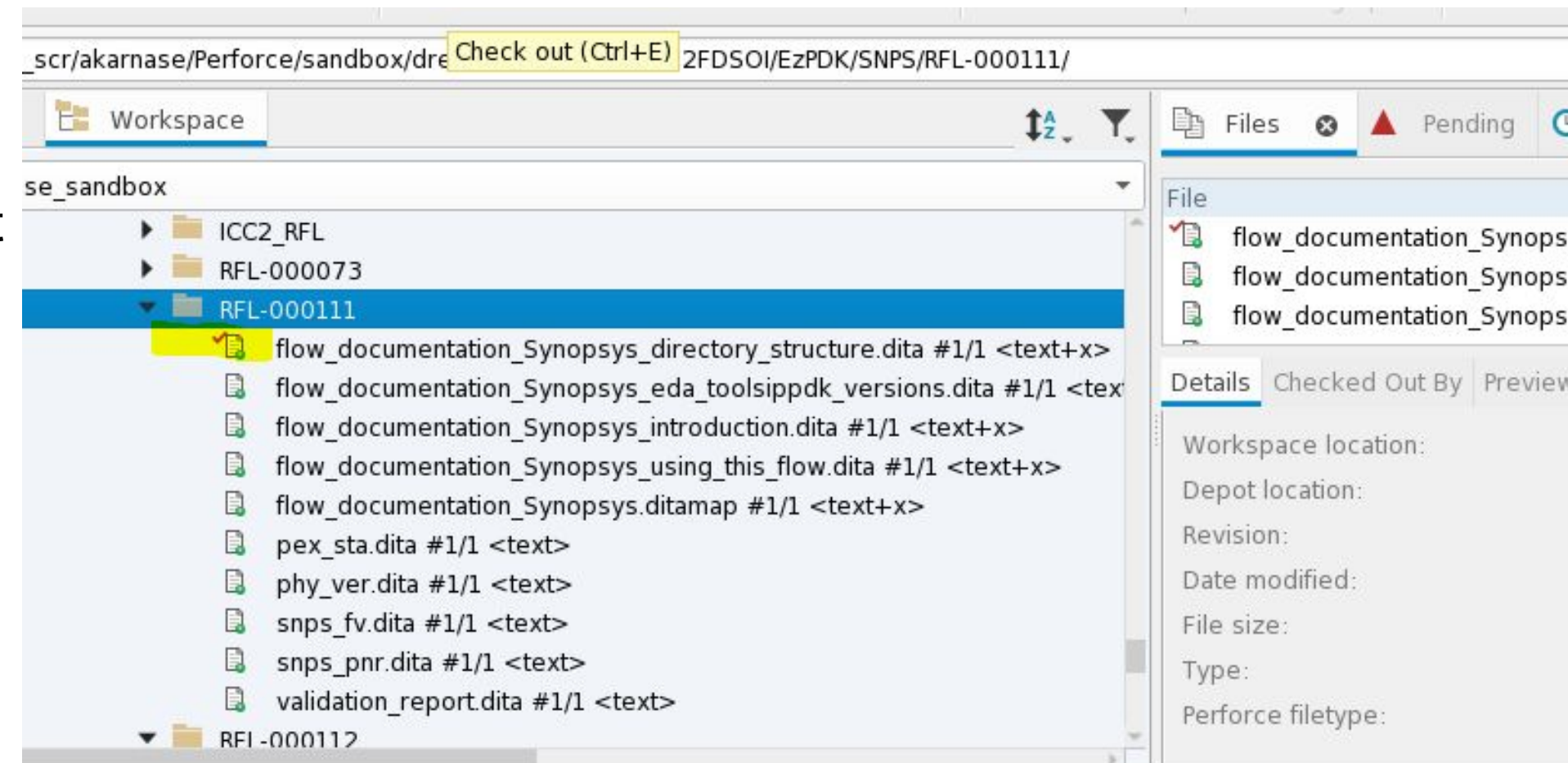
Step4: Save the DITA file

After making changes save the DITA file


Step5: Check-in the file in p4

1. The file which is highlighted is having the red colored tick meaning it is checked out file, so we need to check-in the file on which we have worked.

2. Right click on the file and click on the submit button, then pop-up window will open.

3. The pop-up window is having "**write a changelist description**" massage box, it is necessary to fill that which is shown.

4. And click on submit button.
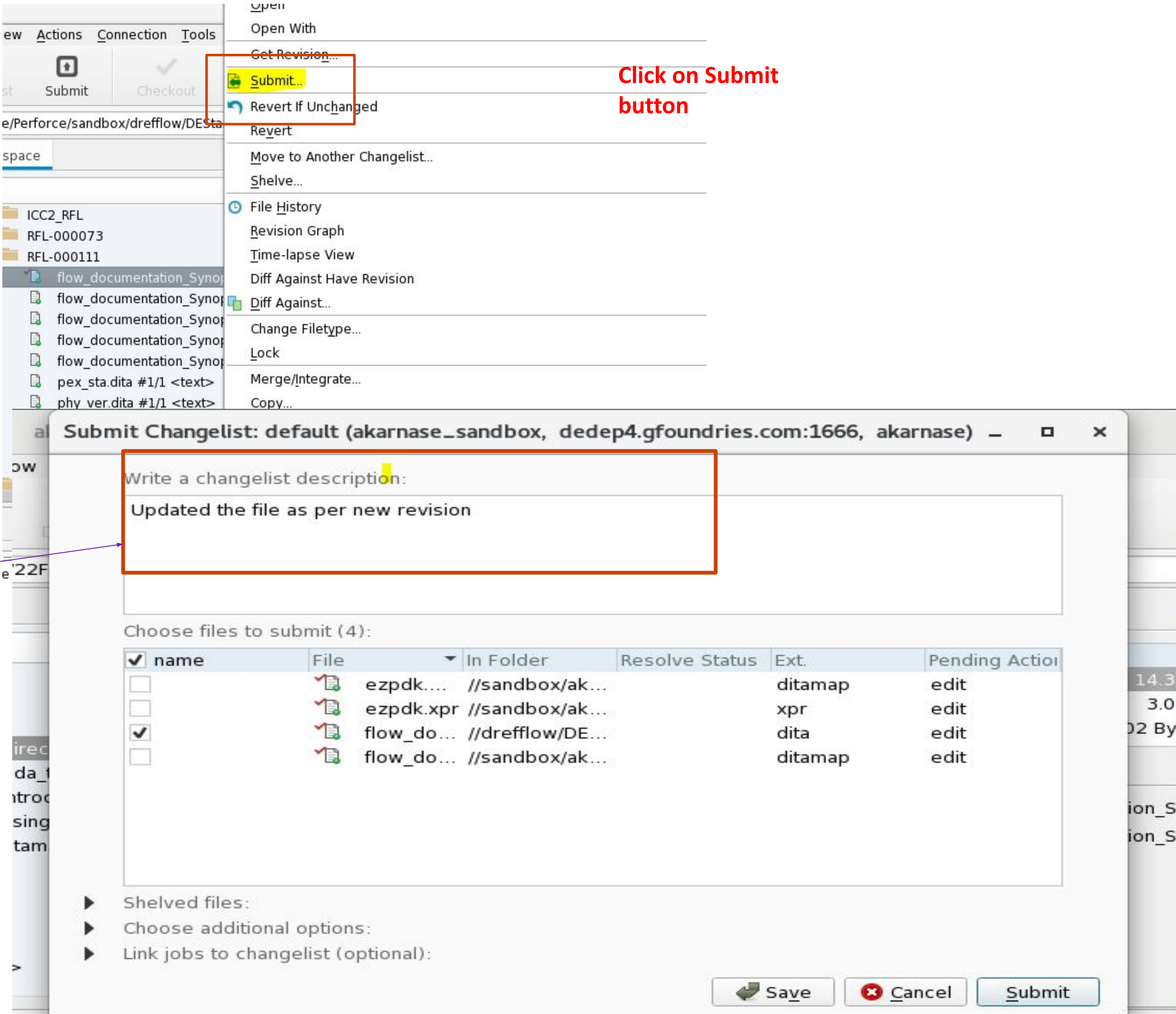
Purpose of Check-out

Check-out:

Check-out (p4 edit) is about getting the latest version from the depot for editing.

When files are checked out for edit, their permissions are set to read-write. When files are not checked out, Perforce sets them to read-only.