Knime

BORO Systems Administration

Exported on 05/22/2025

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1 Knime - Versions

Versions	Release Dates	Statuses	Comments
4.7.1	10 Feb 2023	deprecated	
4.7.2	29 March 2023	deprecated	
5.4.4	19 May 2025	BORO standard	IN USE

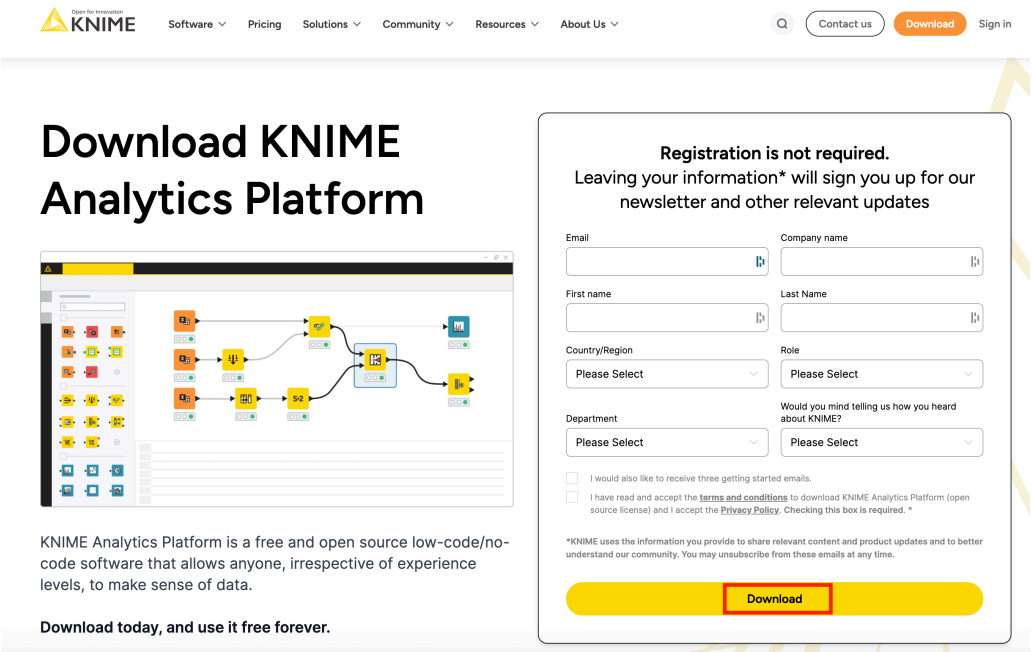
2 Knime - Installation guide

2.1 Download link

https://www.knime.com/downloads

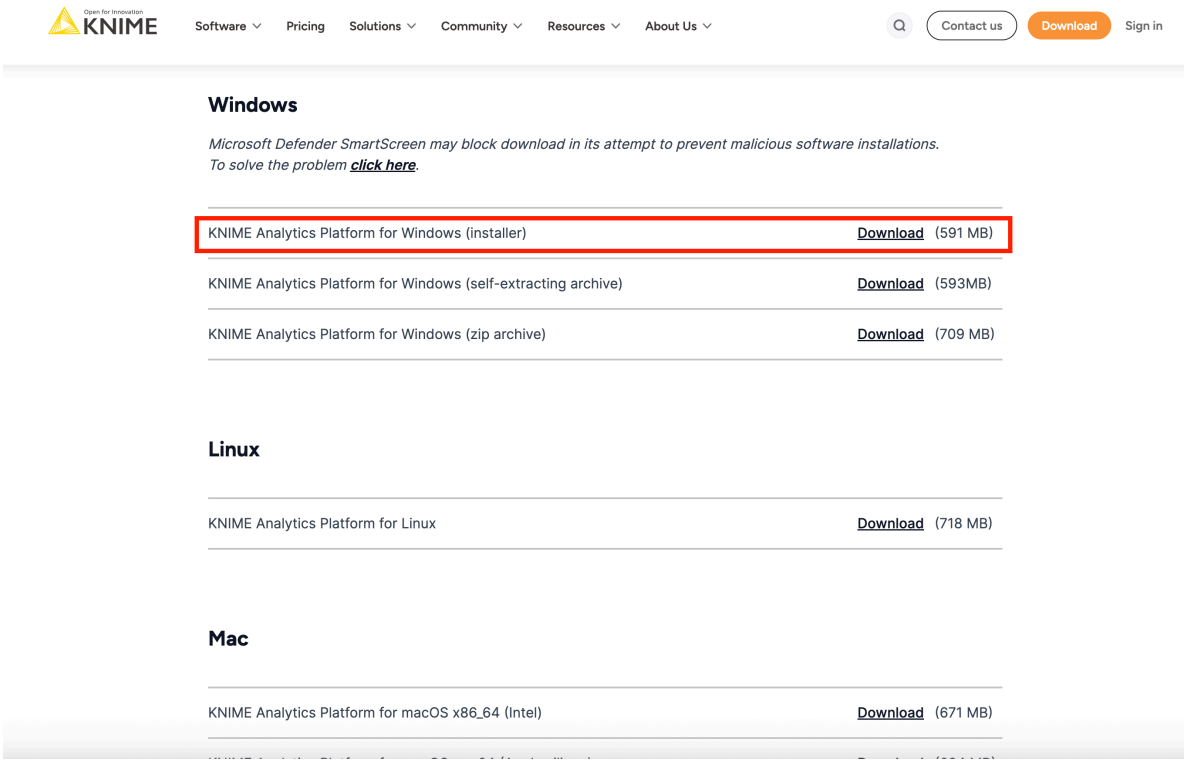
2.2 Process

1. Go to the link: https://www.knime.com/downloads
2. Check the box “I have read and accept the terms and condition[1]“ and click on “Download“

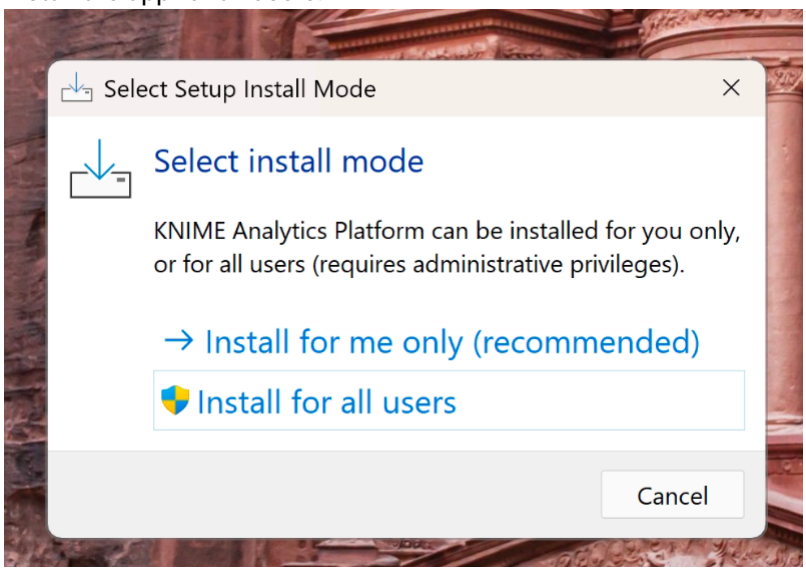


3. Once you're in the download section, select the option to download the installer file:

1 https://www.knime.com/downloads/full-license



4. Open the downloaded file as an admin and follow the installation steps.
    a. Install the app for all users:



3 Knime - Windows

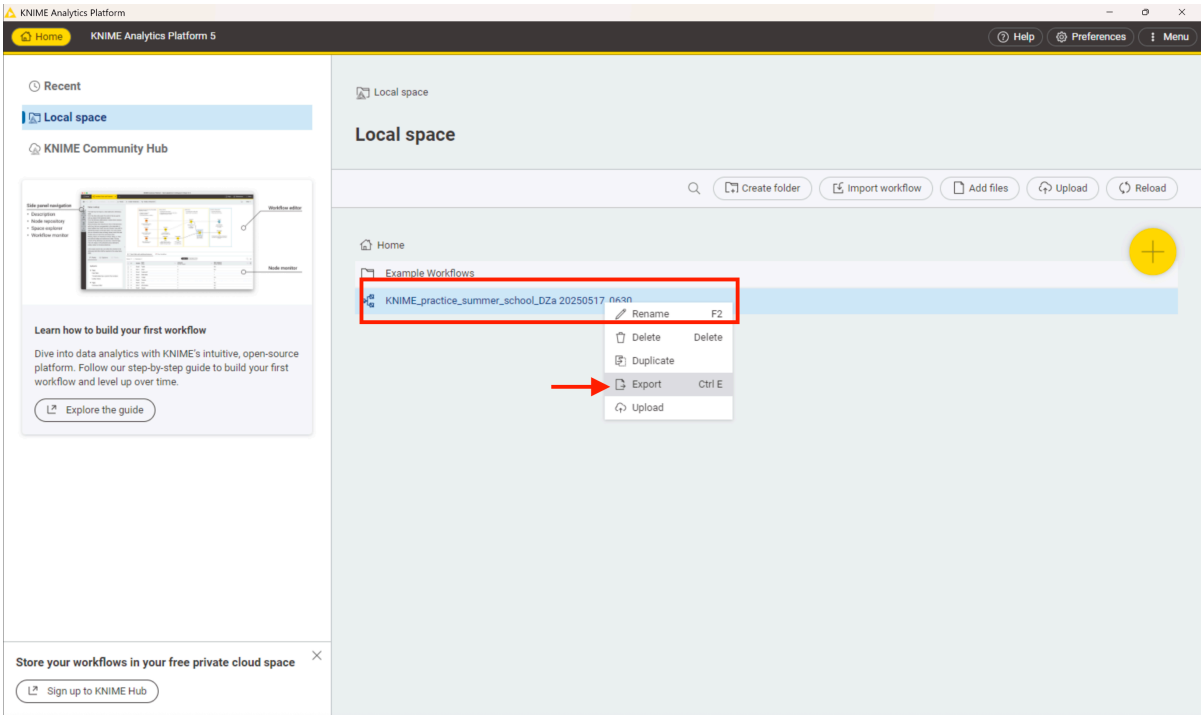
3.1 Knime - Windows - Exporting a Workflow (shareable)

3.1.1 Process

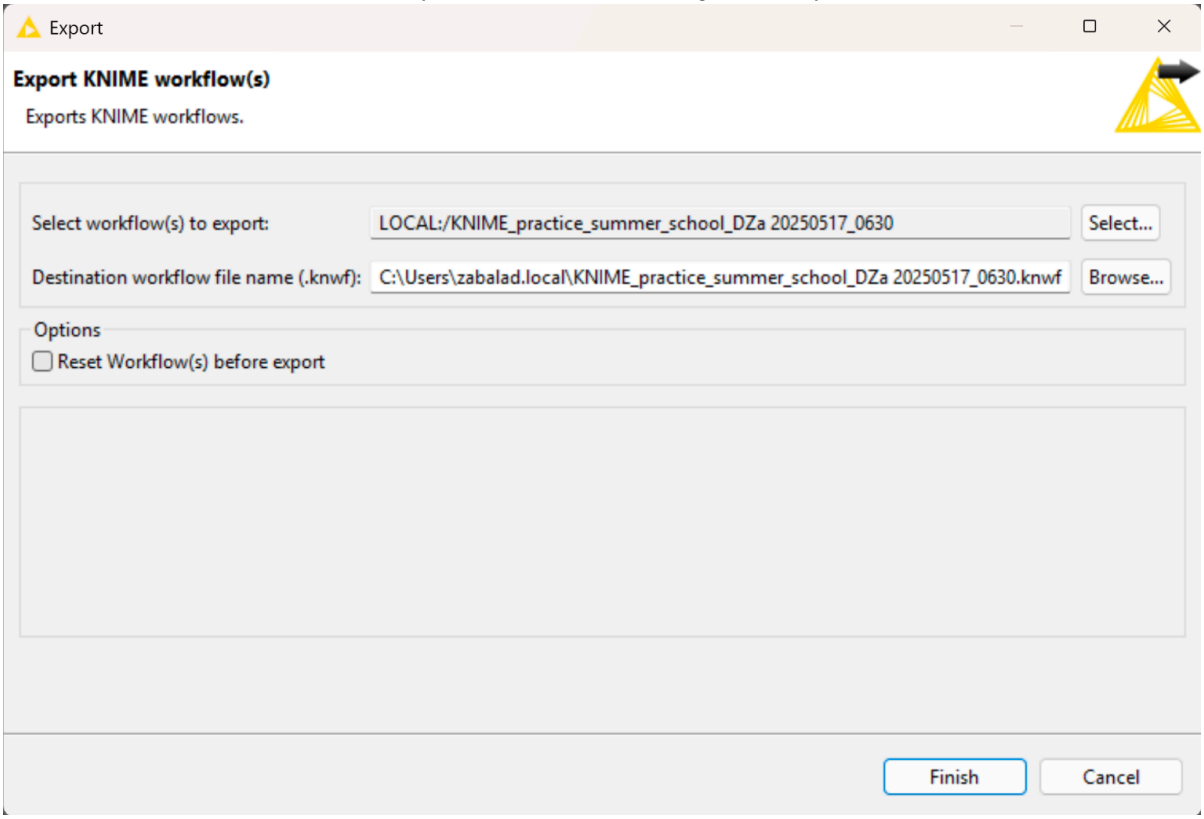
> ⚠ When sharing a KNIME exported workflow, ensure that the file extension is `.knwf`. Using any other extension may cause issues with importing and running the workflow in KNIME.

> ℹ Github repos allow to commit and push `.knwf` files.

1. Save and the close the workflow to share
2. Once in the home page, right click over the workflow to be exported and click “Export“:



3. Deselect the option 'Reset workflow(s) before export' to ensure that external users can see the loaded data when the workflow is opened. Also, don't change the output file extension:

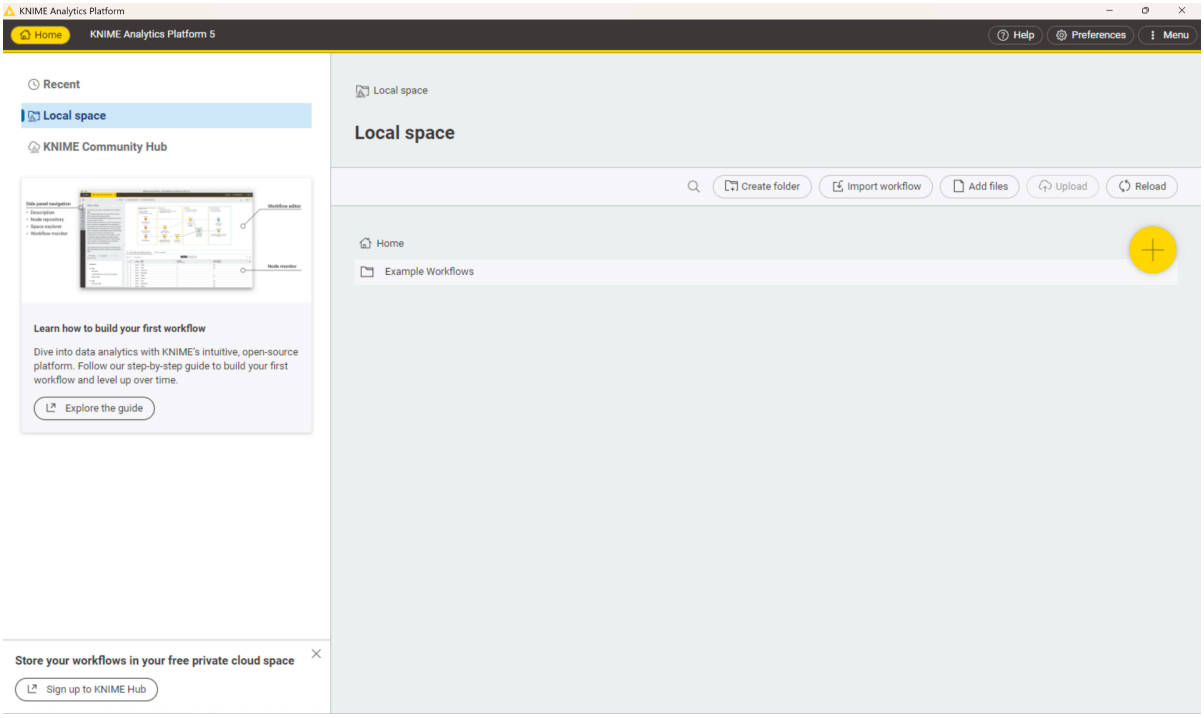


4. Save the file.

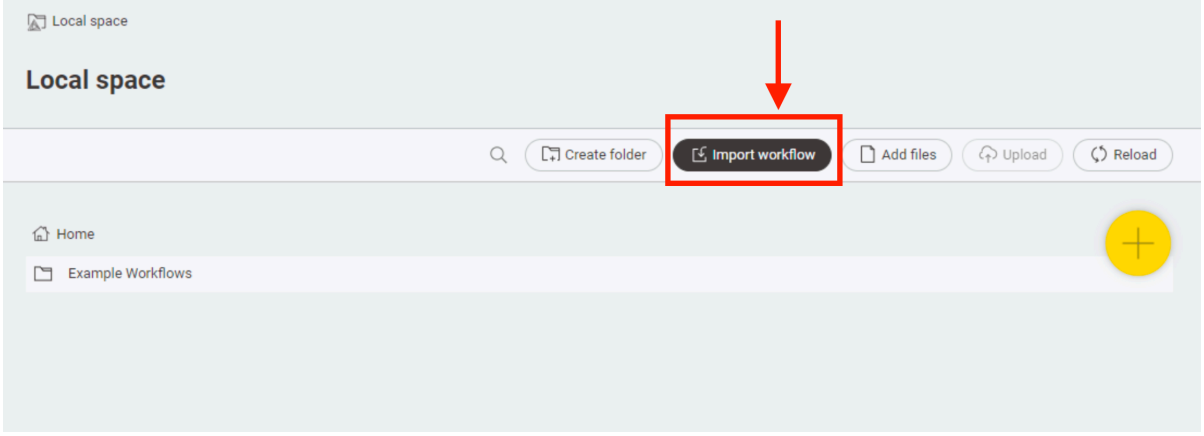
3.2 Knime - Windows - Importing a Workflow

3.2.1 Process

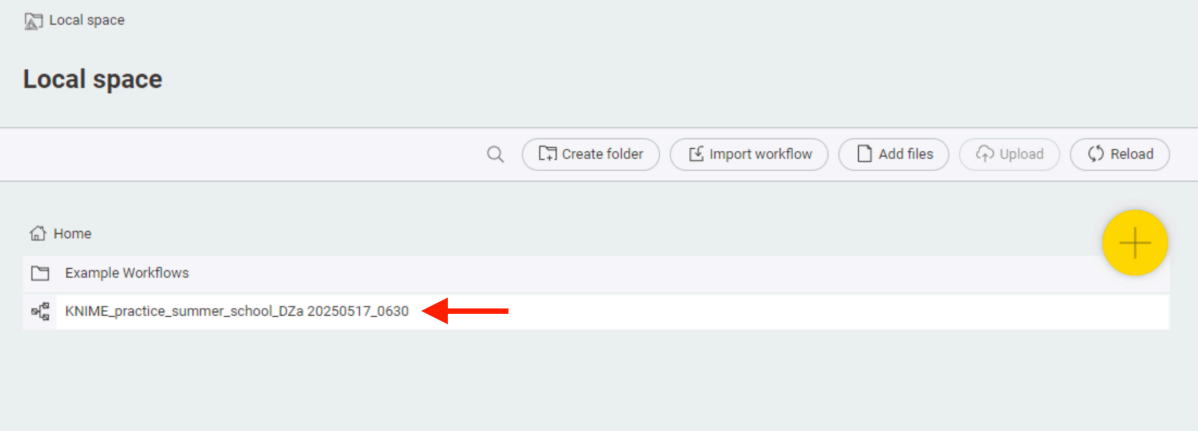
1. Open KNIME
2. Once in the home page:



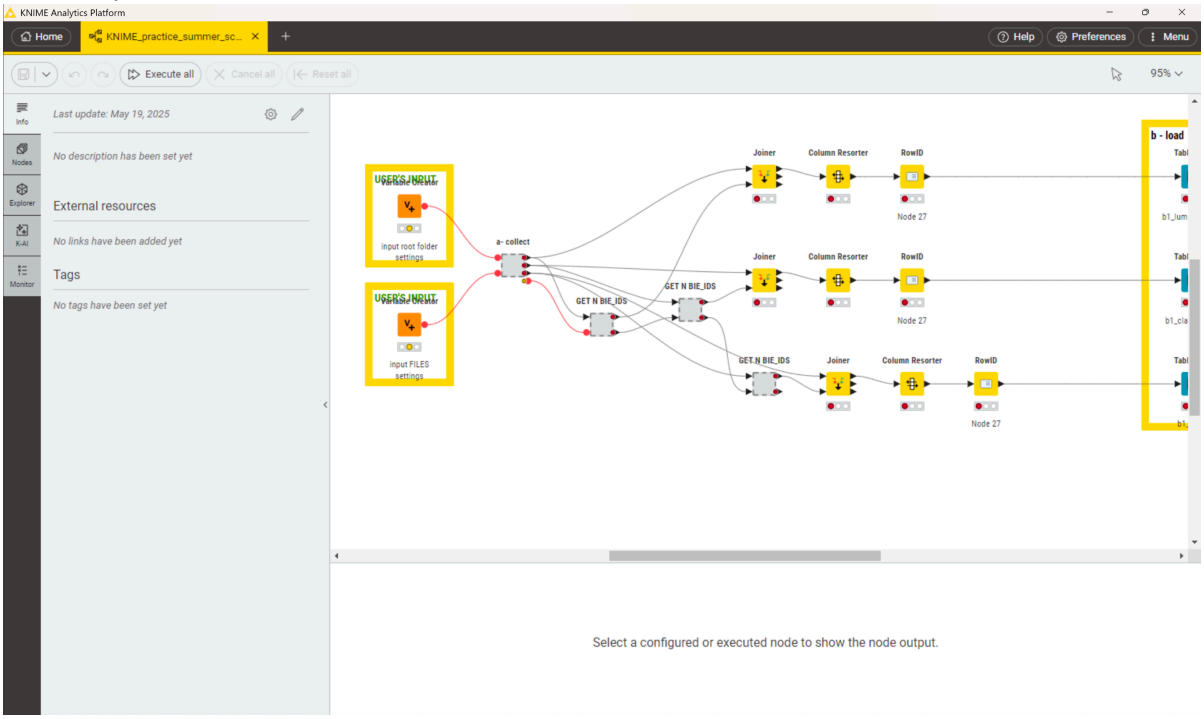
3. Select the button “Import Workflow“ from the options bar:



4. After the file was selected and loaded it will be listed in here:



5. double click the file to open it
6. and the opened window should look like this:



4 Knime - Linux

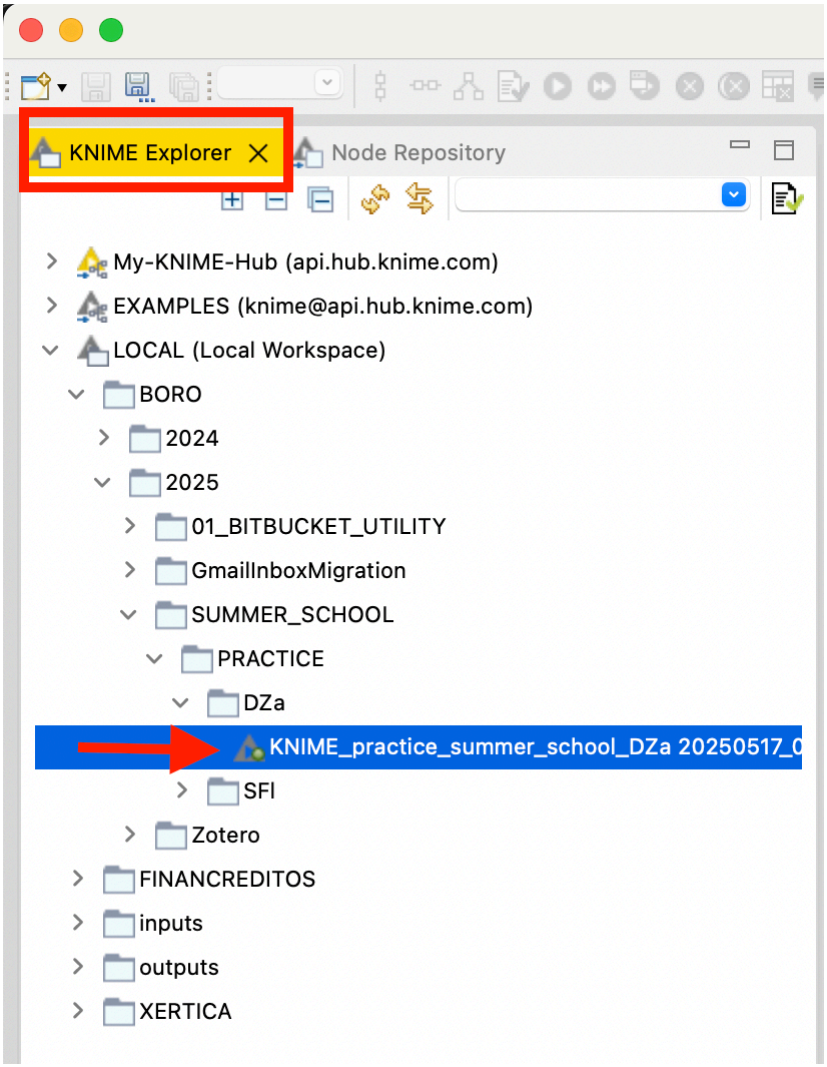
4.1 Knime - Linux- Exporting a Workflow (shareable)

4.1.1 Process

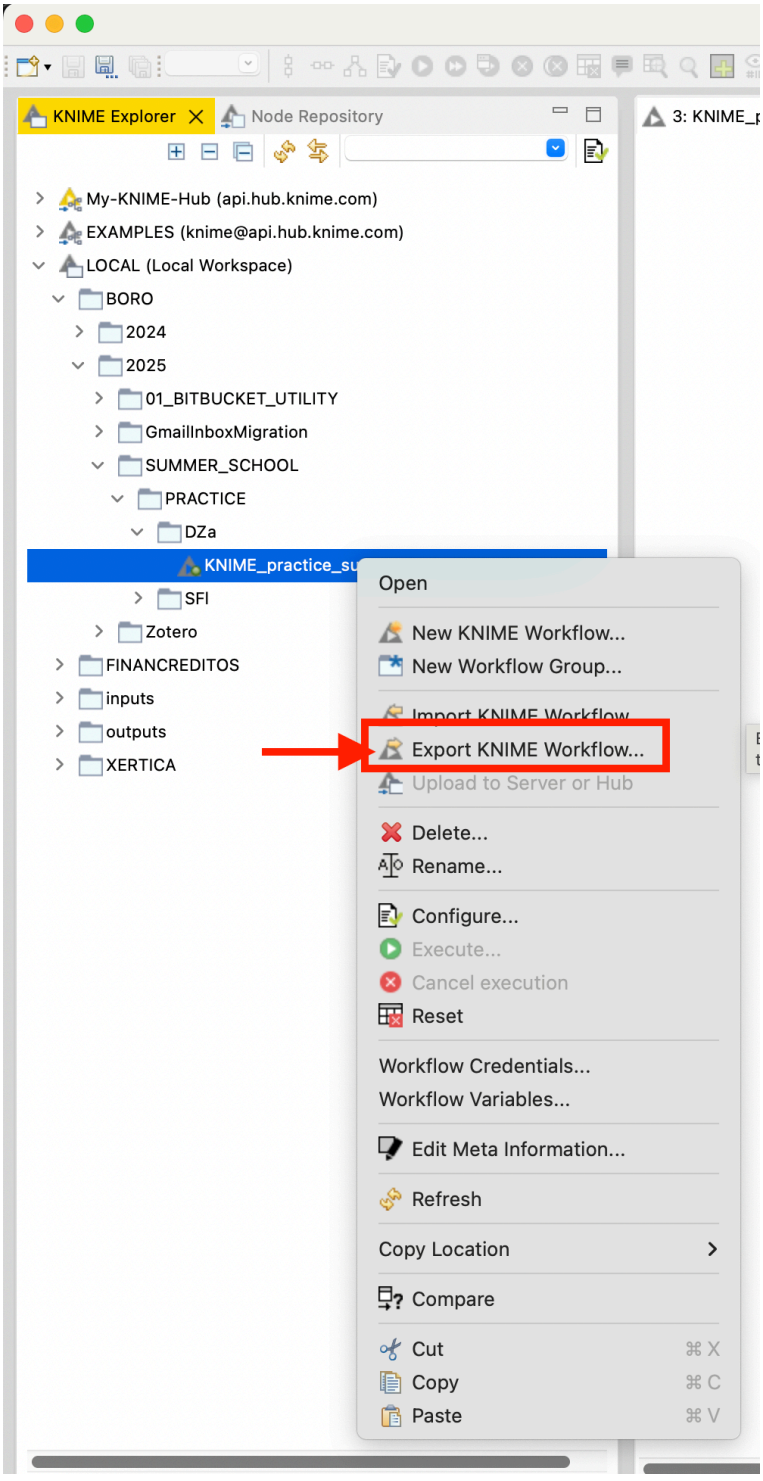
> ⚠ When sharing a KNIME exported workflow, ensure that the file extension is `.knwf`. Using any other extension may cause issues with importing and running the workflow in KNIME.

> ℹ Github repos allow to commit and push `.knwf` files.

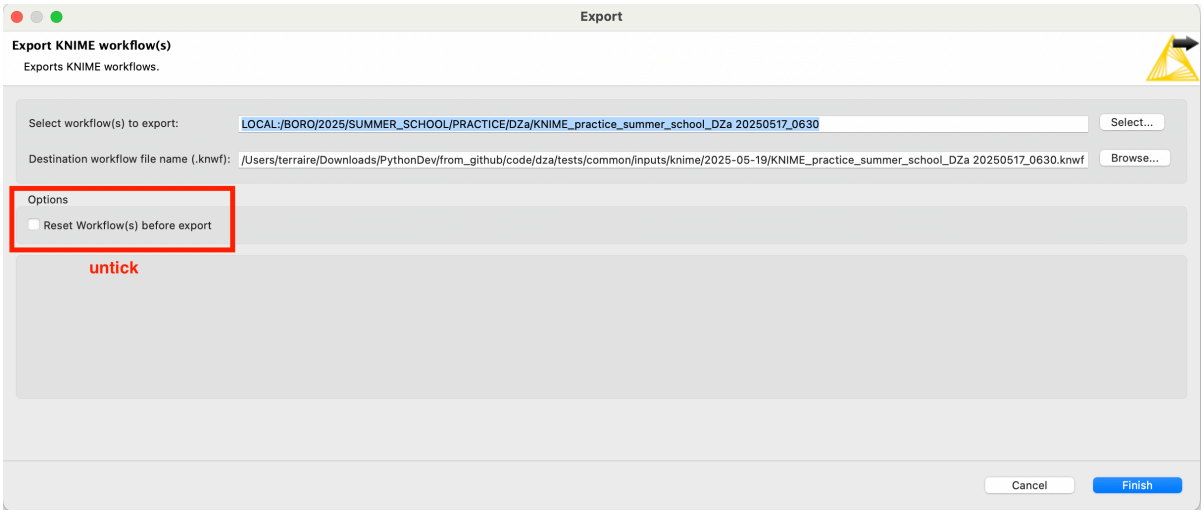
1. Save and the close the workflow to share
2. Go to the navigation section and select the workflow:



3. Right click on the workflow and select the option: “Export kNIME Workflow…“



4. Deselect the option ‘Reset workflow' to ensure that external users can see the loaded data when the workflow is opened. Also, don’t change the output file extension.

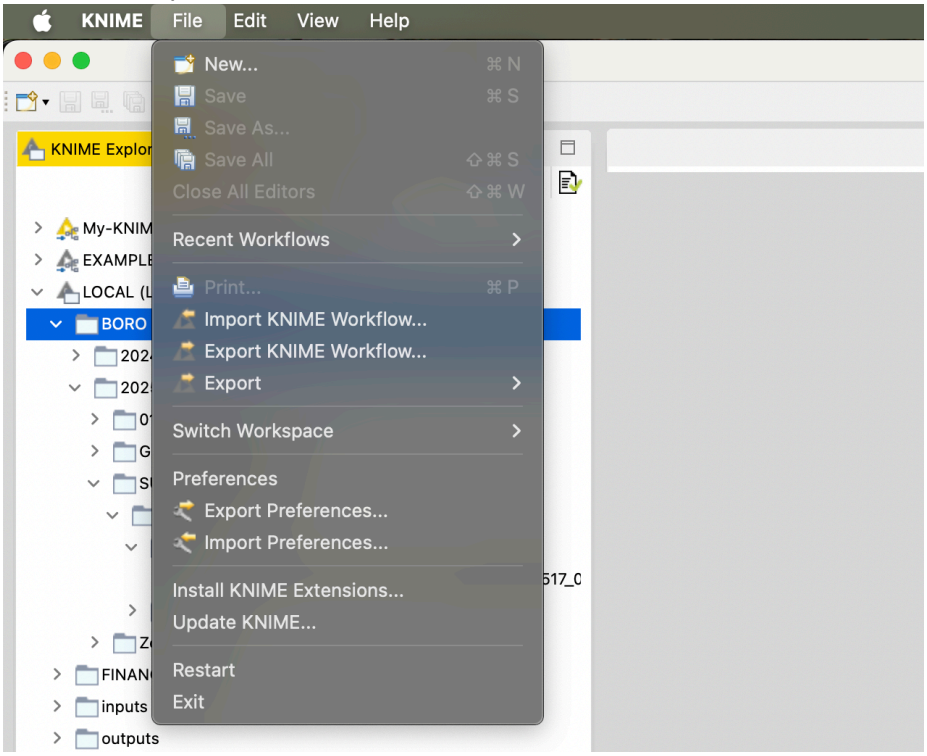


5. Save the file.

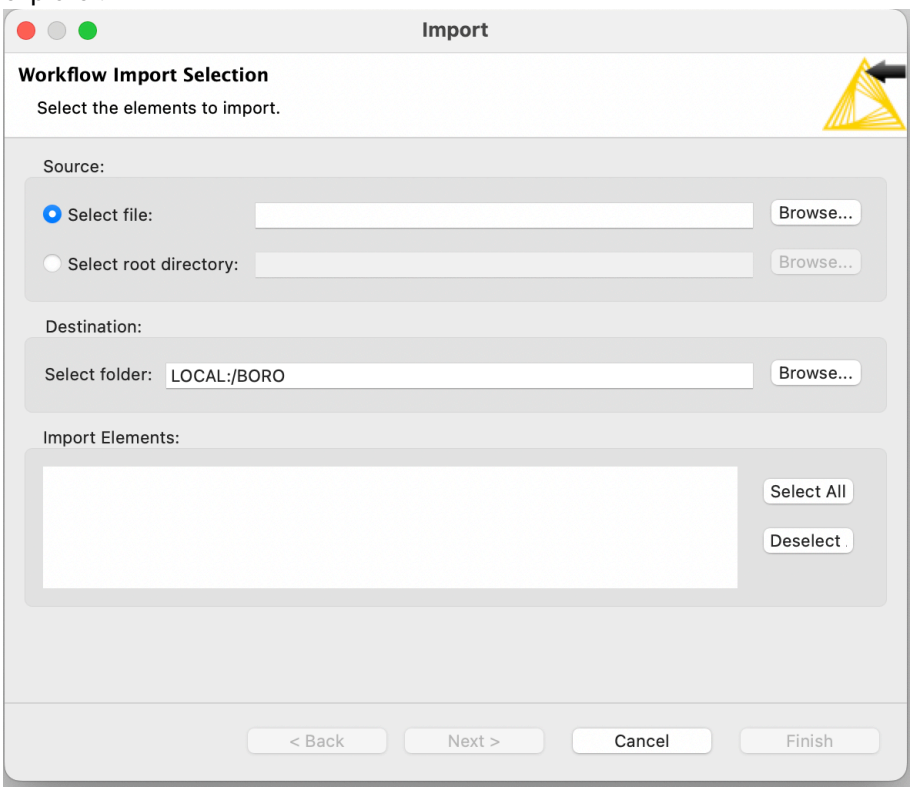
4.2 Knime - Linux - Importing a Workflow

4.2.1 Process

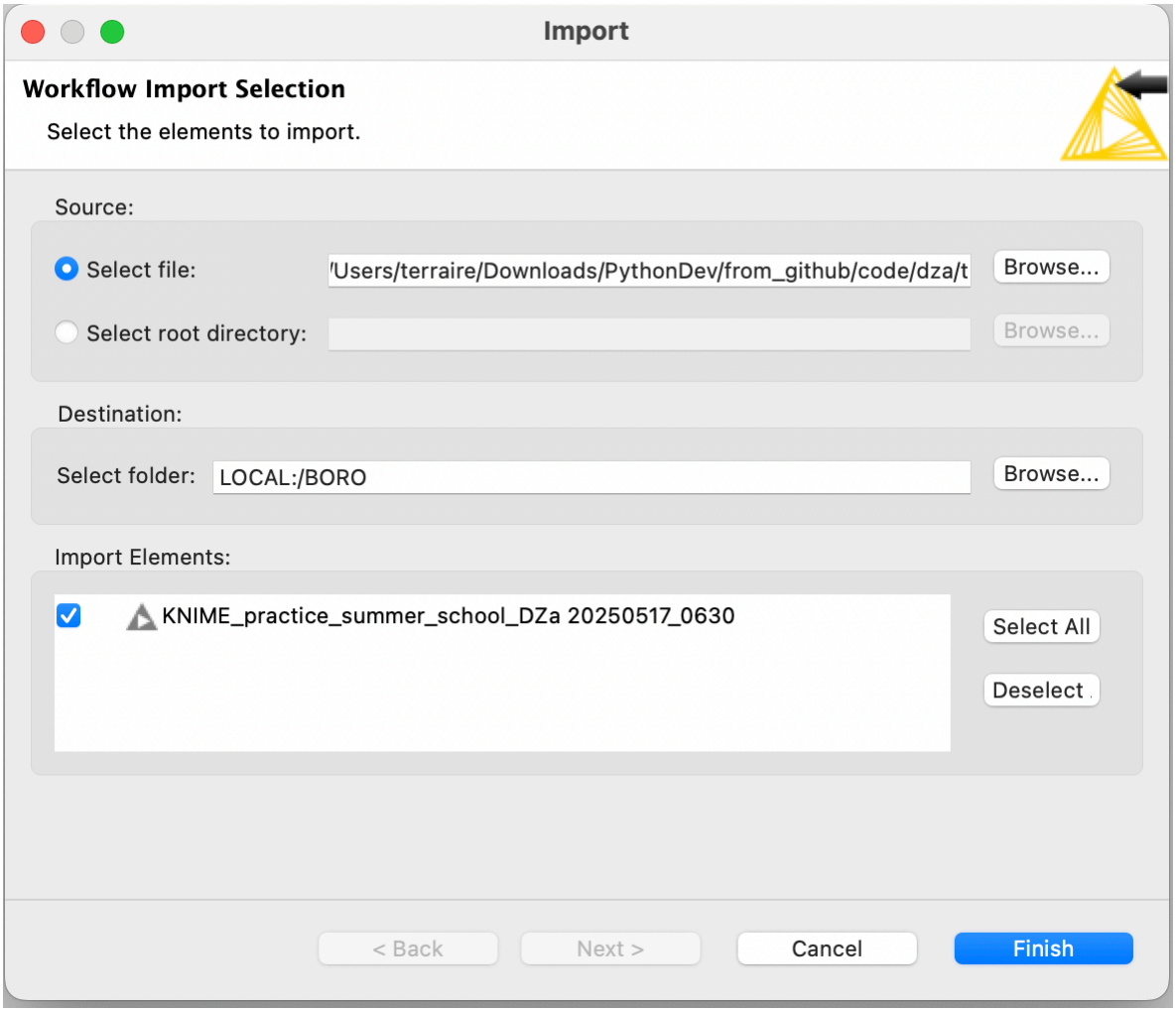
1. Open KNIME
2. Go to “Files“ option and click on it:



3. Select the option to select a file and find the exported workflow (.knwf extension) using the file explorer:



4. Once the file was selected, click “Finish“:



5. Optional: you can update the destination folder by changing the path inside: “Select folder“.

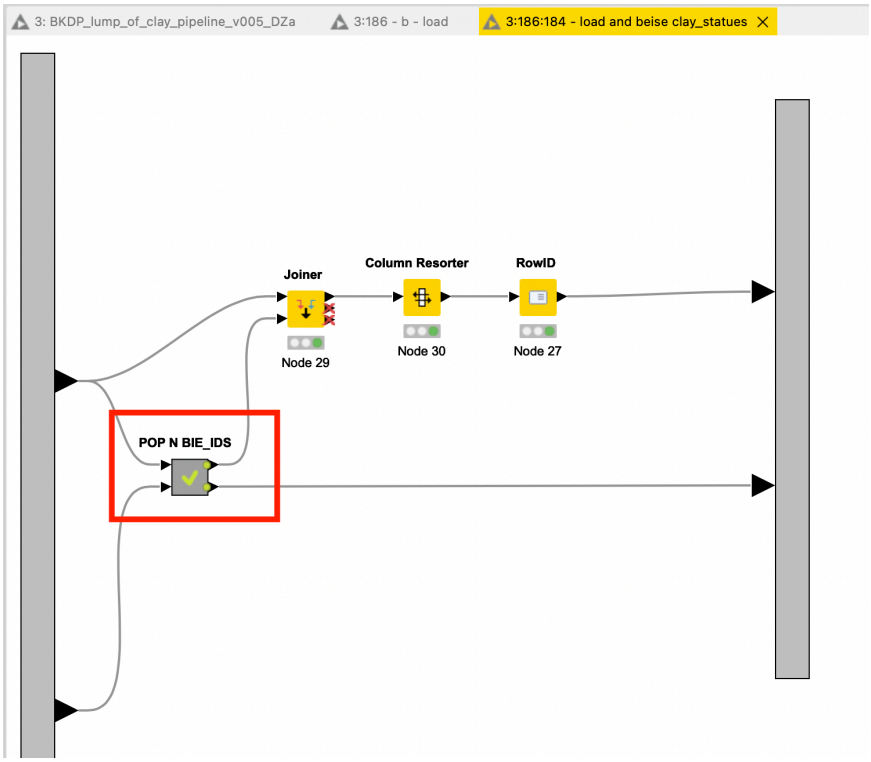
5 Knime - Tips

5.1 Knime - Tips - Bields Metanode

5.1.1 Metanode

Name: POP N BIE_IDS

relative path: b - load / load and beise clay_statues



5.1.2 Functionality

The **POP N BIE_IDS** metanode is responsible for retrieving `N` unique `bie_ids` from the input table and updating the table to exclude those values. This prevents duplication and ensures each `bie_id` is assigned only once.

5.1.3 Node Requirements

5.1.3.1 Inputs:

- **Input port #1:** Source table used to determine the number of `bie_ids` to extract.
- **Input port #2:** Previous `bie_ids` table (must always come from after the latest POP).
    - **Note:** This will be the second output port from the **POP N BIE_IDS** metanode

5.1.3.2 Outputs:

- **Output port #1:** Source table with a newly populated `bie_ids` column for each row.
- **Output port #2:** Updated `bie_ids` table. This will be used as the input for port #2 when reusing the metanode.

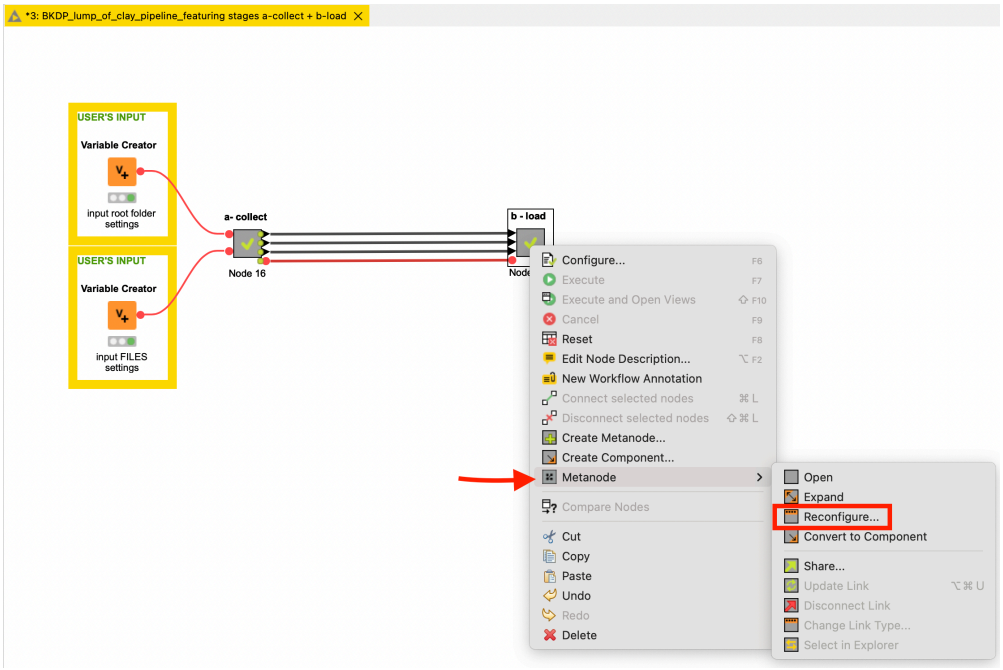
5.1.4 Process

1. Copy and paste the metanode to reuse it whenever needed
2. Pass the link to the previous `bie_ids` table through the metanodes, always after the latest POP
3. Configure the input and output ports according to the previous instructions

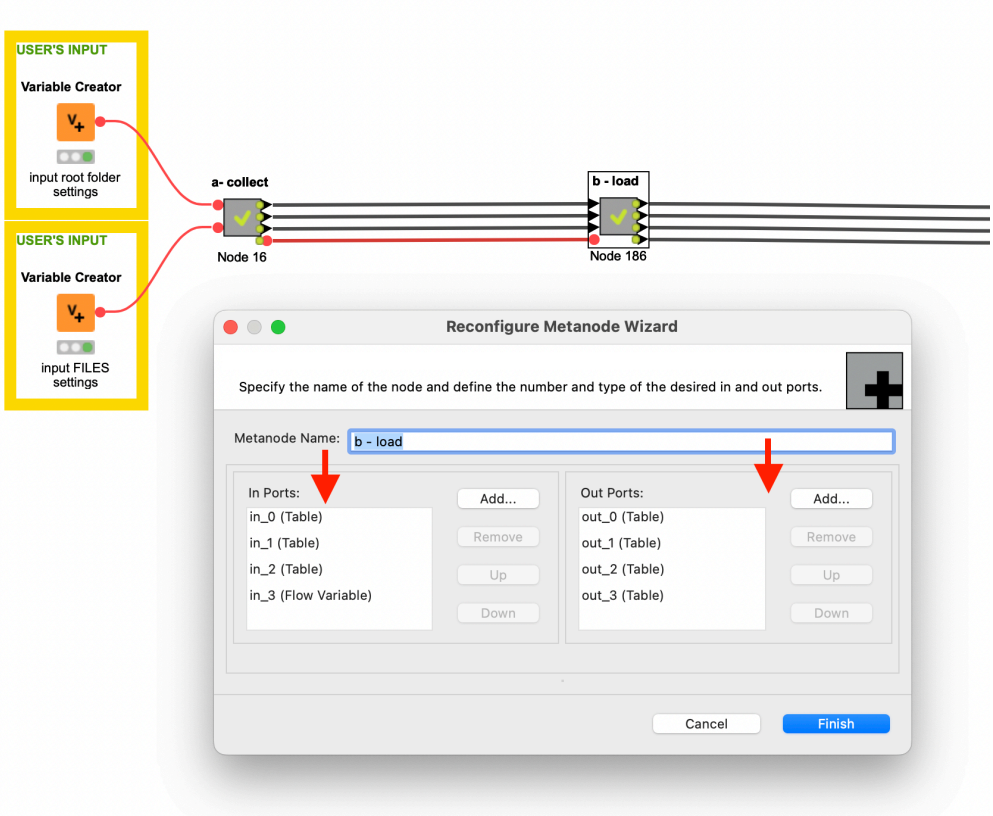
5.2 Knime - Tips - Reconfigure Metanodes

5.2.1 Process

1. Right click on the metanode and go to: Metanode > Reconfigure:



2. Edit as needed the input and output ports:



3. Also there is an option to rename the metanode.