

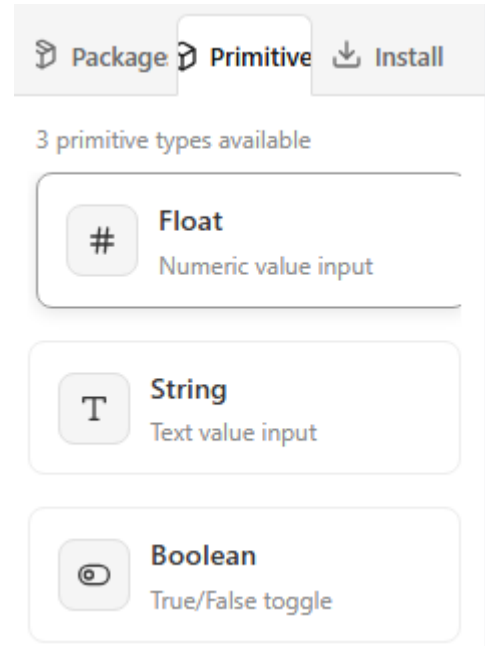
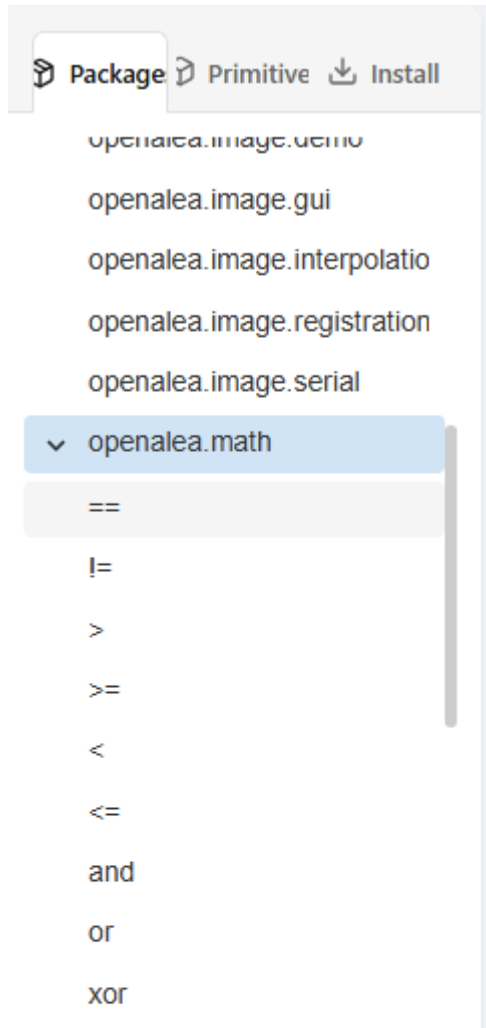
# User Guide - WebAlea

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# Creating a Workflow

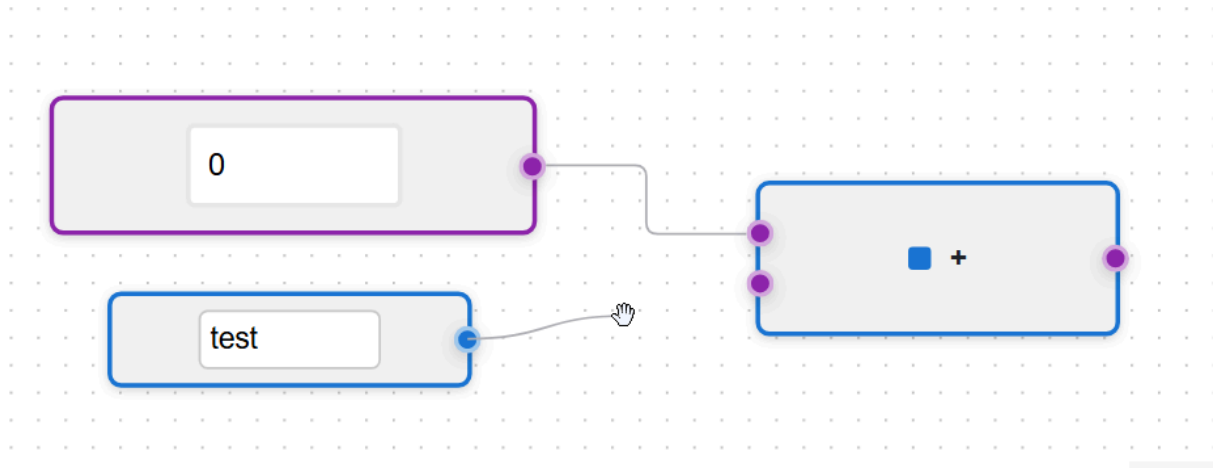
## Add Nodes

- Browse packages in the left sidebar
- Click on a node to add it to the canvas
- Use primitive nodes (Float, String, Boolean) for input values



## Connect Nodes

- Drag from an output handle to an input handle
- Connections are validated by type compatibility



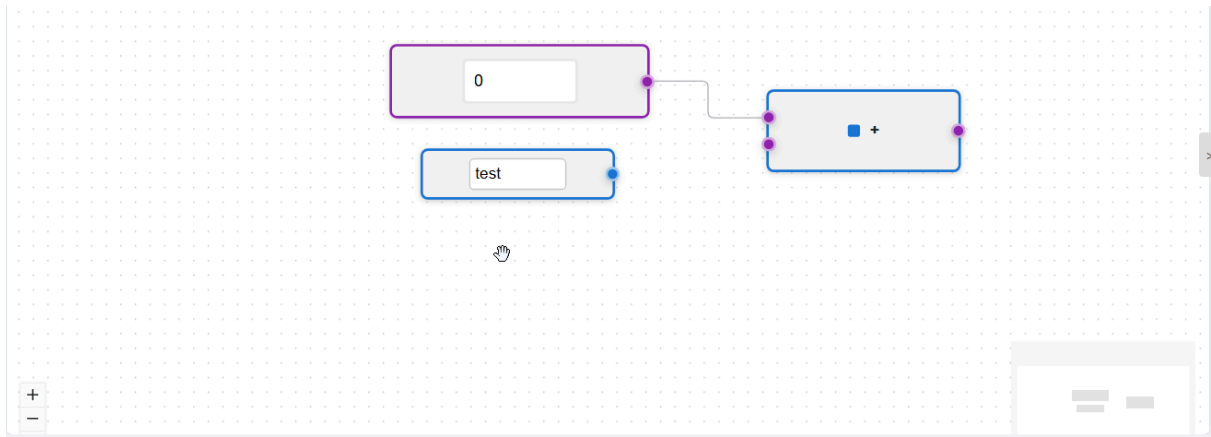
## Configure Nodes

- Click on a node to view its details in the right panel
- View node descriptions and parameters information (inputs, outputs,...)

The image shows a user interface for configuring a node. On the left, a grid contains a node with a blue border and a light gray background. The node has two purple circular ports on its left side and one on its right. Inside the node, there is a blue square, a plus sign, and a hand icon. A small gray bar with a right-pointing arrow is positioned between the node and the configuration panel. The configuration panel on the right has three tabs: 'Parameters' (selected), 'Description', and 'View'. Below the tabs, there is a '+' icon. The 'Inputs (2)' section contains two inputs: 'a' with a value of '0' and 'b' with a value of '0'. The 'Outputs (1)' section contains one output: 'out' with a value of '--'. At the bottom of the panel is a green 'Launch' button.

## Organize the Canvas

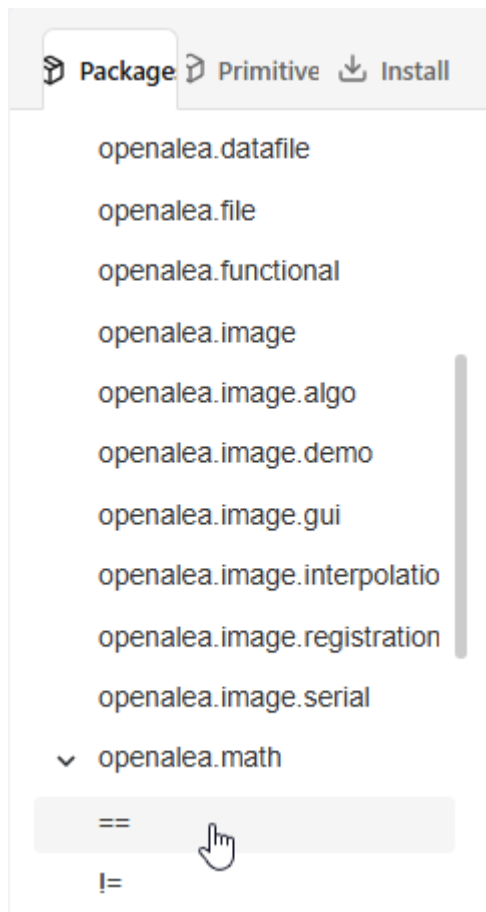
- Drag nodes to reposition them
- Use the minimap to navigate large workflows
- Use zoom controls to adjust the view



# Managing Packages

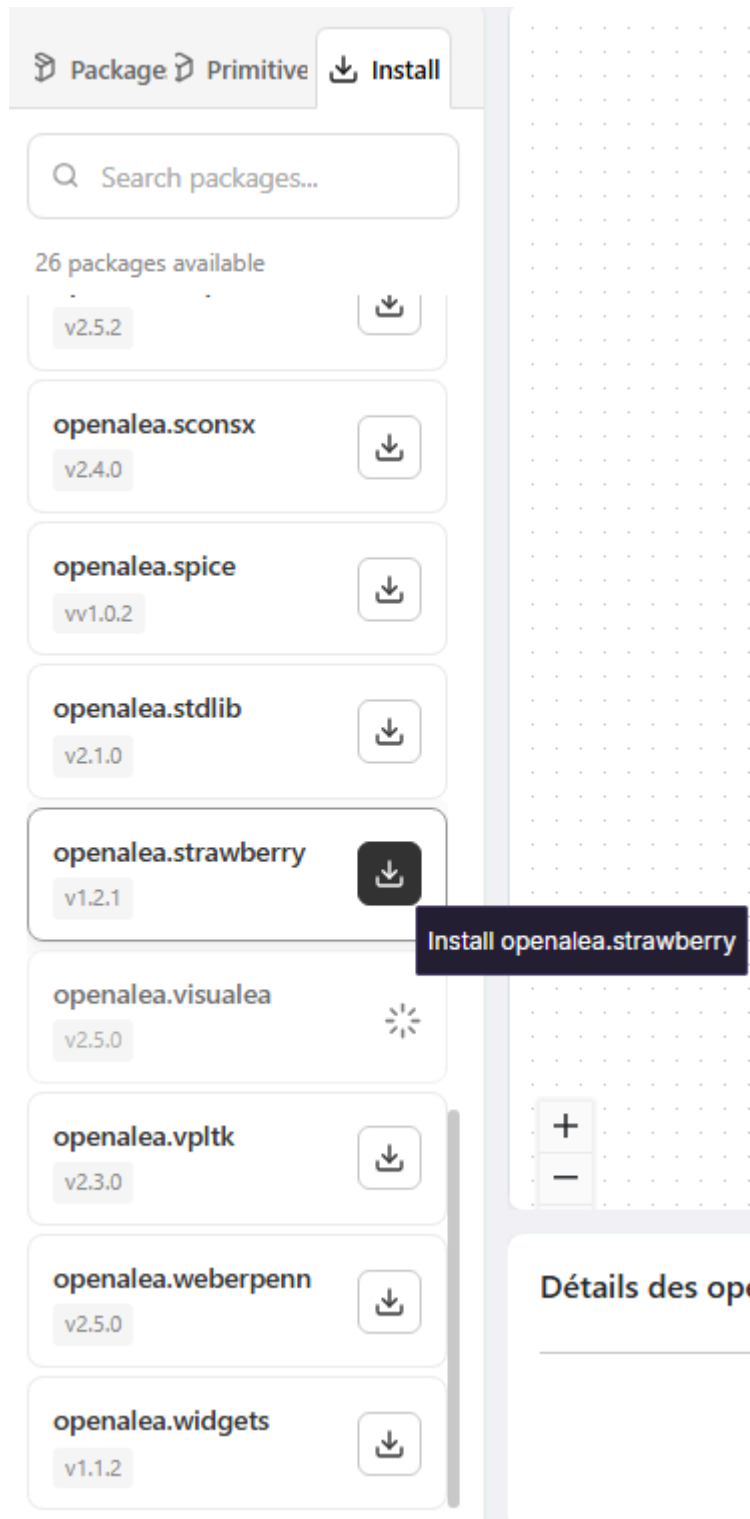
## Browsing Packages

1. Open the **Package Manager** sidebar (left panel)
2. Switch to the **Packages** tab to see installed OpenAlea packages
3. Expand package folders to see available nodes
4. Click on a node to add it to the workspace



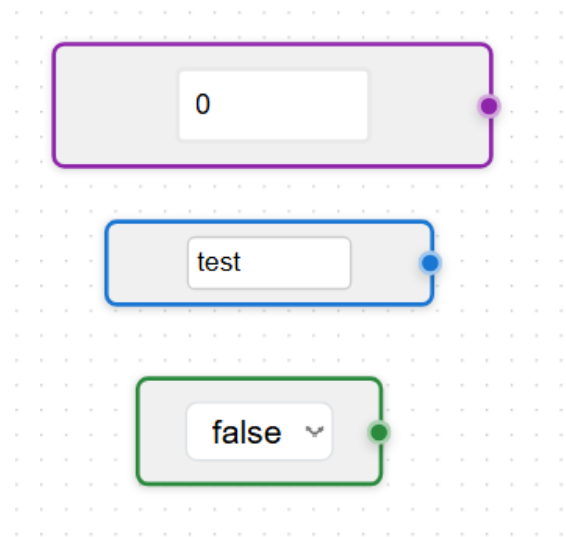
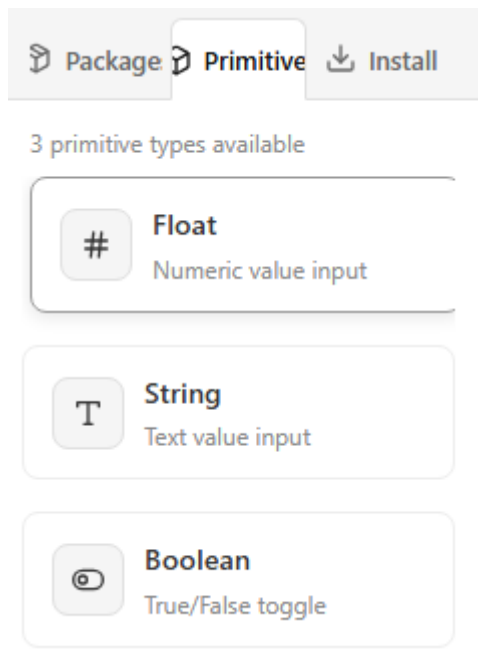
## Installing Packages

1. Switch to the **Install** tab in the Package Manager
2. Search for packages in the Conda openalea3 channel
3. Click **Install** next to a package
4. Wait for installation to complete
5. Refresh the **Packages** tab to see newly installed packages



## Using Primitives

1. Switch to the **Primitives** tab
2. Choose from Float, String, or Boolean nodes
3. Add them to the canvas and configure their values

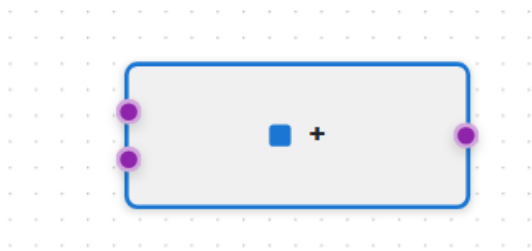
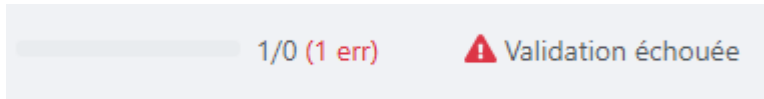




# Executing Workflows

## Validate Your Workflow

- Ensure all mandatory inputs are connected or have values
- Check for circular dependencies (the system will warn you)



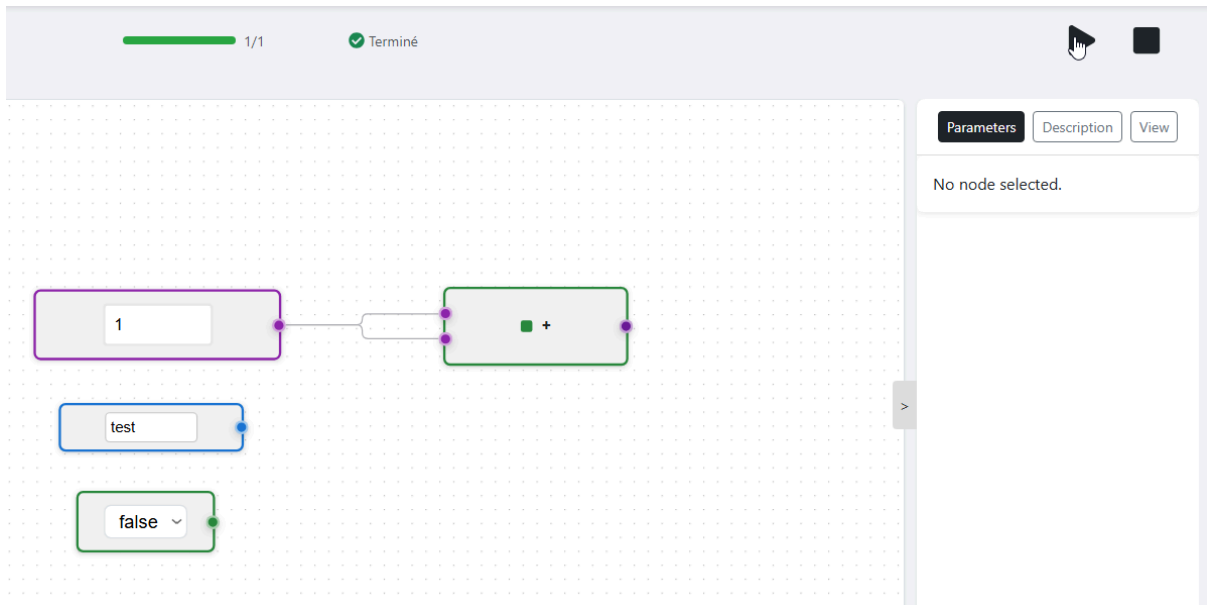
### Détails des opérations

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```
{ "errors": [ { "type": "UNCONNECTED_INPUT", "nodeId": "n8967-openalea.math::+", "
```

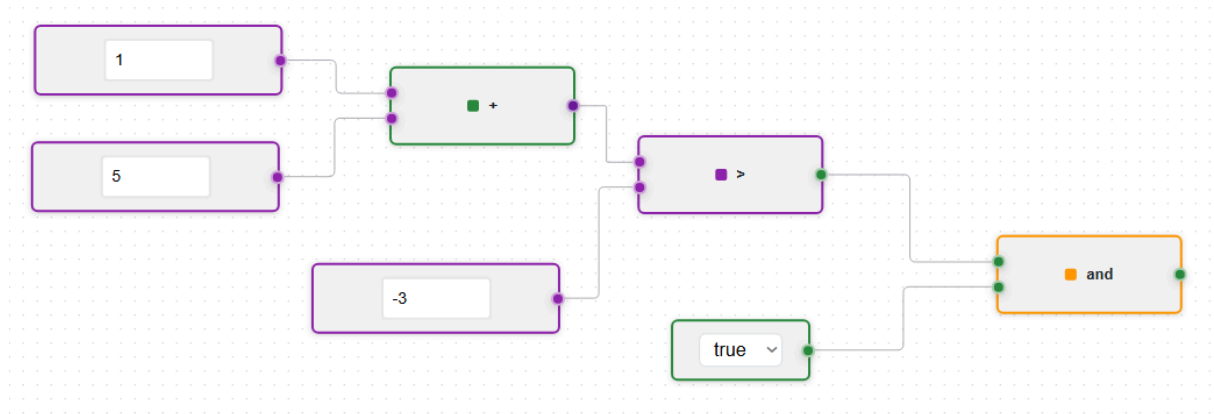
## Run the Workflow

- Click the **Play** button in the toolbar
- Monitor progress in the progress bar
- Watch execution logs in the console at the bottom



## Monitor Execution

- Nodes change color to indicate their state:
  - Gray/Orange: Pending
  - Purple: Running
  - Green: Completed
  - Red: Error
- View detailed logs in the console panel



## Détails des opérations

Workflow execution completed successfully

```
{ "resultCount": 3 }
```

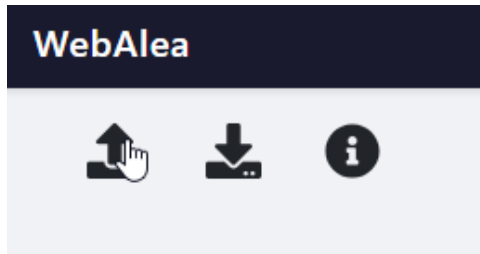
## Stop Execution

- Click the **Stop** button to cancel execution
- Running nodes will be cancelled gracefully

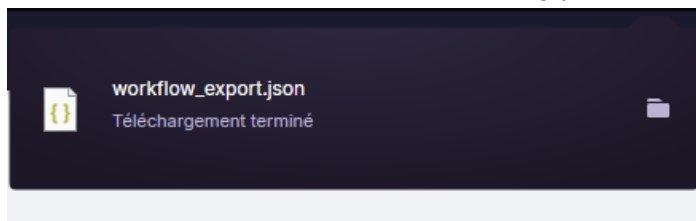
# Exporting and Importing

## Export a Workflow

1. Click the **Export** button (upload icon) in the toolbar



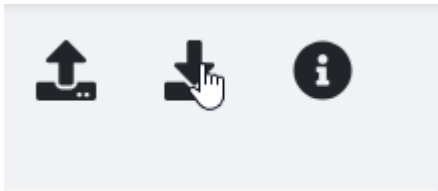
2. A JSON file will be downloaded containing your workflow



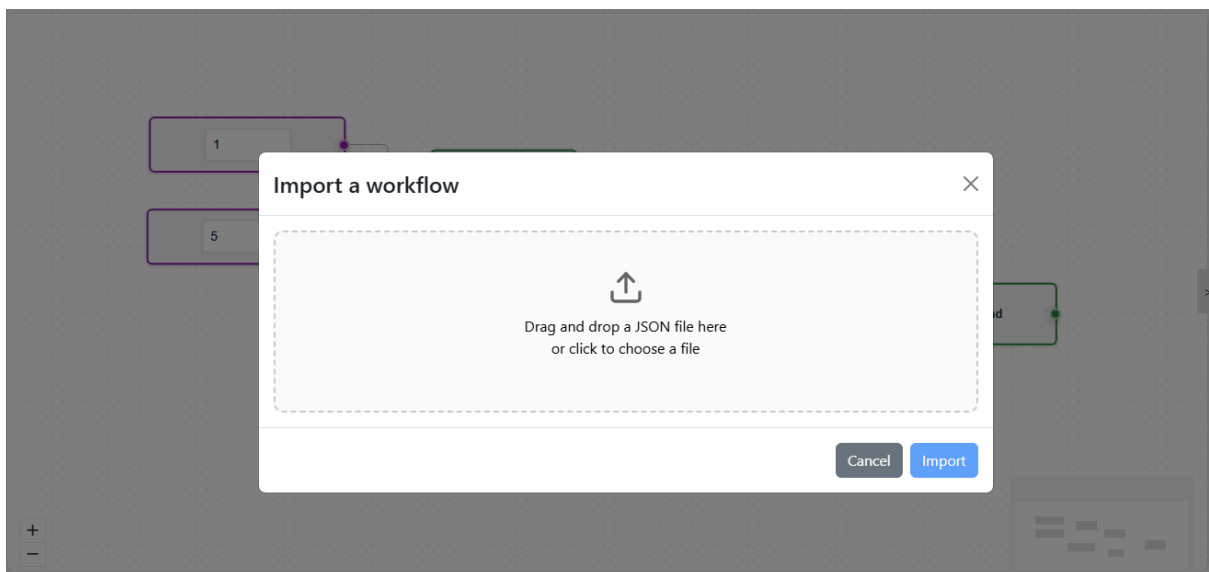
3. Share this file to collaborate with others

## Import a Workflow

1. Click the **Import** button (download icon) in the toolbar



2. Paste your workflow JSON or select a file



3. The workflow will be loaded into the canvas

