

BUILDING BLOCKS / Actions / start-subprocess-action



Contents

- BUILDING BLOCKS / Actions / Start Subprocess action
 - Configuring a Start Subprocess action
 - Action Edit
 - Back in steps
 - Parameters
 - Data to send
 - Example

BUILDING BLOCKS / Actions / Start Subprocess action

(!) INFO

What is it? A Start Subprocess action is an

The fallback content to display on prerendering that allows you to start a

The fallback content to display on prerendering from another (parent)

The fallback content to display on prerendering

Why is it important? Using subprocesses is a good way to split the complexity of your business flow into multiple, simple and reusable processes.

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Configuring a Start Subprocess action

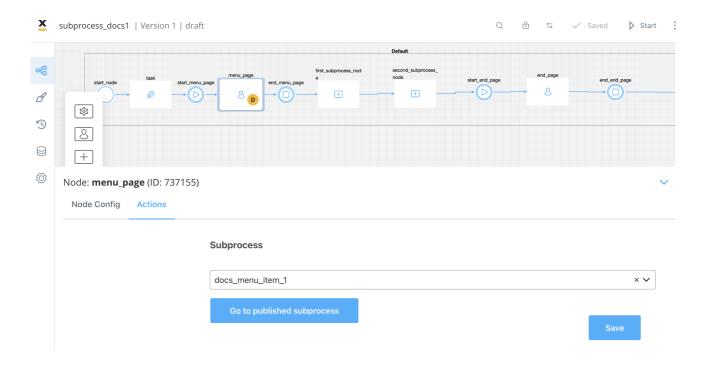
To use a process as a subprocess, you must first create it. Once the subprocess is created, you can start it from another (parent) process. To do this, you will need to add a **Start Subprocess** action to a **User task** node in the parent process or by using a subprocess run node.

Here are the steps to start a subprocess from a parent process:

- 1. First, create a process designed to be used as a subprocess.
- 2. In the parent process, create a **User task** node where you want to start the subprocess created at step 1.
- 3. Add a **Start Subprocess** action to the Task Node.
- 4. Configure the **Start Subprocess** action and from the dropdown list choose the subprocess created at step 1.

By following these steps, you can start a subprocess from a parent process and control its execution based on your specific use case.





The following properties must be configured for a **Start subprocess** action:

- Action Edit
- Back in steps (for Manual actions)
- Parameters
- Data to send (for Manual actions)

Action Edit

- Name used internally to make a distinction between different actions on nodes in the process. We recommend defining an action naming standard to be able to quickly find the process actions
- Order if multiple actions are defined on the same node, the running order should be set using this option
- Timer expression it can be used if a delay is required on that action. The format used for this is ISO 8601 duration format (for example, a delay of 30



seconds will be set up as PT30S)

- Action type should be set to Start Subprocess
- Trigger type (options are Automatic/Manual) choose if this action should be triggered automatically (when the process flow reaches this step) or manually (triggered by the user); in most use cases, this will be set to automatic
- Required type (options are Mandatory/Optional) automatic actions can only be defined as mandatory. Manual actions can be defined as mandatory or optional.
- Repeatable should be checked if the action can be triggered multiple times
- Autorun Children when this is switched on, the child actions (the ones
 defined as mandatory and automatic) will run immediately after the execution
 of the parent action is finalized

Back in steps

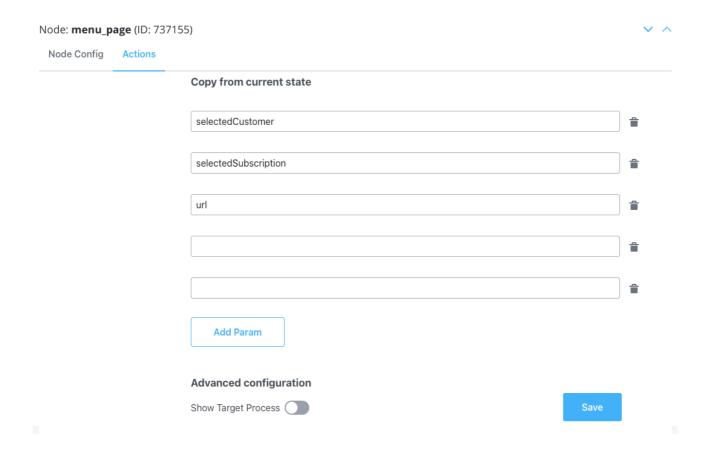
Allow BACK on this action - back in process is a functionality that allows
you to go back in a business process and redo a series of previous actions in
the process. For more details, check Moving a token backwards in a
process section.

Parameters

- Subprocess the name of the process that you want to start as a subprocess
- Exclude from current state what fields do you want to exclude when copying the data from the parent process to the subprocess (by default all data fields are copied)
- Copy from current state if a value is set here, it will overwrite the default behavior (of copying the whole data from the subprocess) with copying just



the data that is specified (based on keys)



Advanced configuration

 Show Target Process - ID of the current process, to allow the subprocess to communicate with the parent process (which is the process where this action is configured)

Data to send

 Keys - are used when data is sent from the frontend via an action to validate the data (you can find more information in the User Task configuration section)

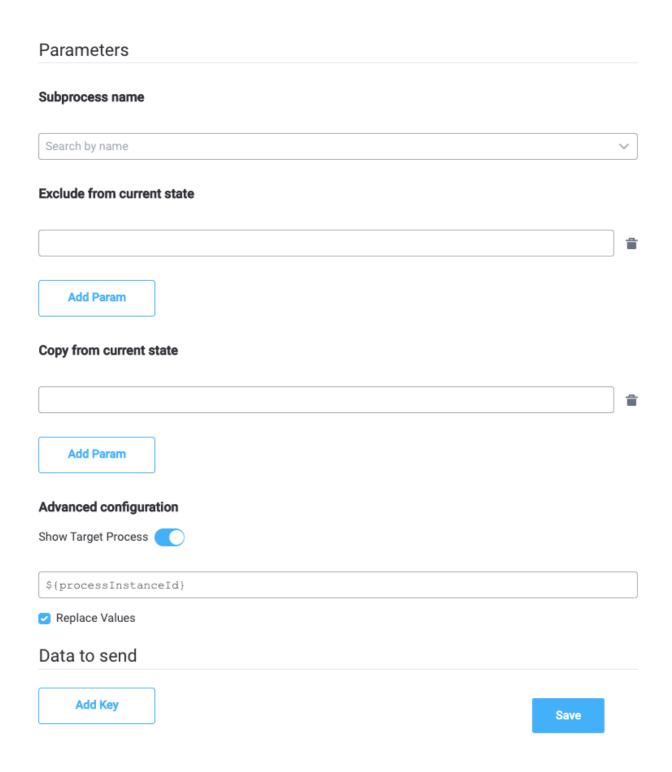




A DANGER

Data to send option is configurable only when the action trigger type is Manual.





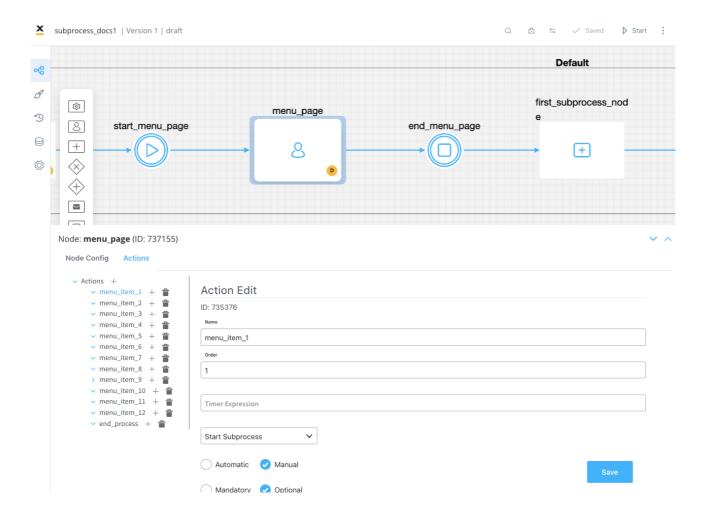
Example



Let's create a main

The fallback content to display on prerendering

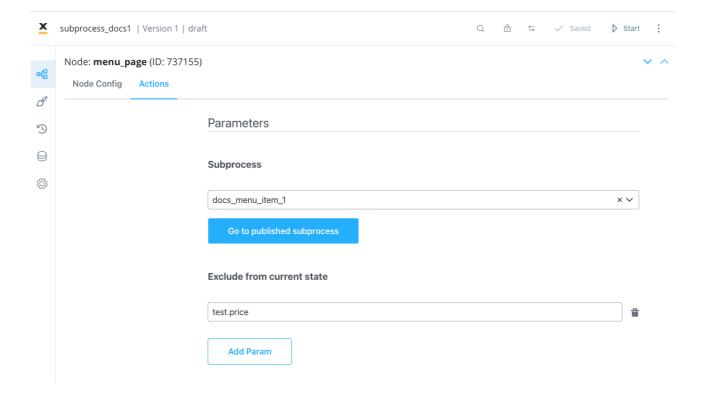
, in this process we will add a user task node that will represent a menu page. In this newly added node we will add multiple subprocess actions that will represent menu items. When you select a menu item, a subprocess will run representing that particular menu item.



To start a subprocess, we can, for example, create the following minimum configuration in a user task node (now we configure the process where we want to start a subprocess):

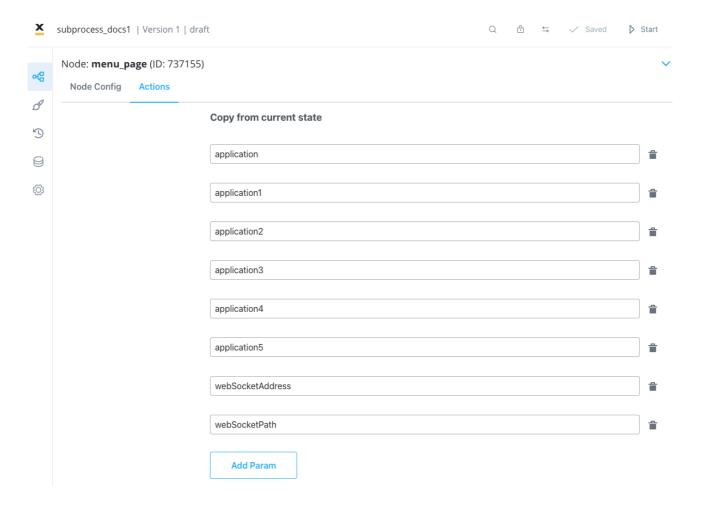


- Action menu_item_1 used internally to make a distinction between
 different actions on nodes in the process. We recommend defining an action
 naming standard to be able to quickly find the process actions
- Trigger type Manual; Optional
- Repeatable yes
- **Subprocess** docs_menu_item_1 the name of the process that you want to start as a subprocess



- Exclude from current state test.price copy all the data from the parent, except the price data
- Copy from current state leave this field empty in order to copy all the data
 (except the keys that are specified in the Exclude from current state field), if
 not, add the keys from which you wish to copy the data





A CAUTION

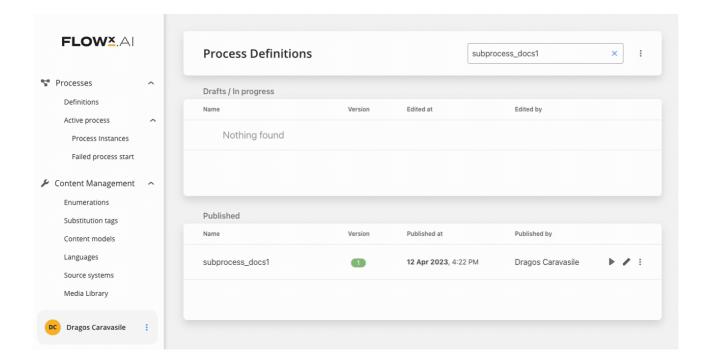
When copying from the current state using a subprocess, it is mandatory to specify the webSocketAddress and webSocketPath as parameters. This ensures that the Engine can accurately transmit the relevant information to the frontend, enabling it to display the appropriate UI.

Advanced configuration

• Target process (parentProcessInstanceId) - \${processInstanceId} - current process ID



Result



Was this page helpful?