FLOWX.AI

BUILDING BLOCKS / Actions / append-params-to-parent-process

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> **INFO**
>
> **What is it?** It is a type of
>
> The fallback content to display on prerendering
> that allows you to send data from a subprocess to a parent process.
>
> **Why is it important?** If you are using subprocesses that produce data that needs to be sent back to the main
>
> The fallback content to display on prerendering
> , you can do that by using an **Append Params to Parent Process** action.

Configuring an Append Params to Parent Process

After you create a process designed to be used as a subprocess, you can configure the action. To do this, you need to add an **Append Params to Parent Process** on a **Task Node** in the subprocess.

The following properties must be configured:

- 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 **Append Params to Parent Process**
- **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

- **Copy from current state** - data that you want to be copied back to the parent process
- **Destination in the parent state** - on what key to copy the param values

> **TIP**
>
> To recap: if you have a **Copy from current state** with a simple **JSON** - `{"age": 17}`, that needs to be available in the parent process, on the `application.client.age` key, you will need to set this field (**Destination in the parent state**) with `application.client`, which will be the key to append to in the parent process.

Advanced configuration

- **Show Target Process** - ID of the parent process where you need to copy the params, this was made available on to the `${parentProcessInstanceId}` variable, if you defined it when you started the subprocess

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)

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

Example

We have a subprocess that allows us to enter the age of the client on the **data.client.age** key, and we want to copy the value back to the parent process. The key to which we want to receive this value in the parent process is **application.client.age**.

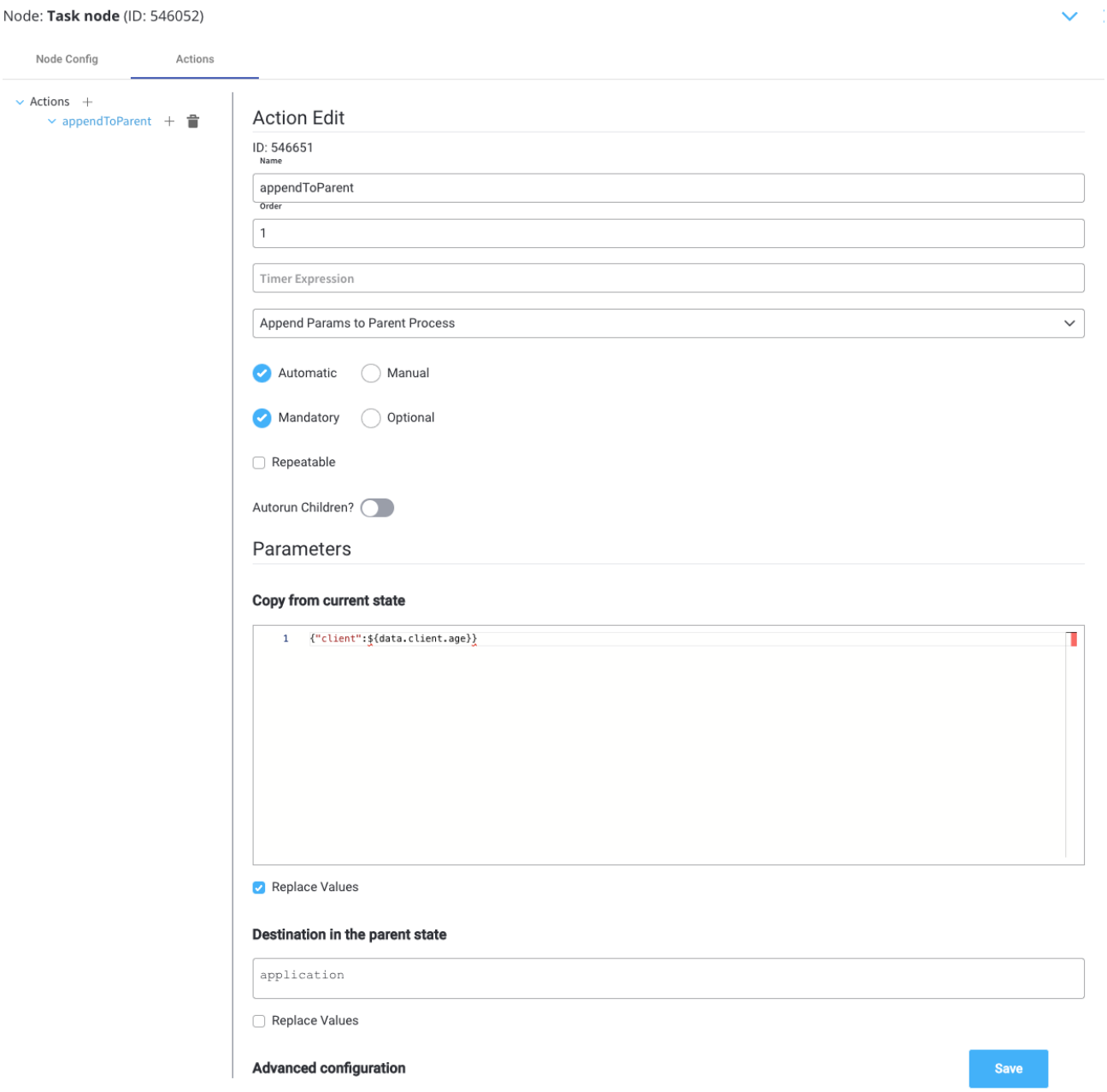
This is the configuration to apply the above scenario:

Parameters

- **Copy from current state** - `{"client": ${data.client.age}}` to copy the age of the client (the param value we want to copy)
- **Destination in the parent state** - `application` to append the data o to the **application** key on the parent process

Advanced configuration

- **Show Target Process** - `${parentProcessInstanceId}` to copy the data on the parent of this subprocess



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