

AddCategory

Summary

This block is used to add a category in the CategoryService.

Implementation

- Drag and drop the block from the palette
- Link the "execute" action from the "executed" topic of the previous block

Example

This block is triggered based on a Node (the origin). A category is built with the name of the Node. The category index is set from the tag "b:categoryIndex".

The screenshot shows a dialog box titled "Add category" with the subtitle "Add Category Block". It has an "Advanced Config" section with the following fields:

- Artifacts:** A dropdown menu set to "Category" and a text input field containing "categories".
- Category Name:** A text input field containing the expression `{origin.displayName%}`.
- Mode:** A dropdown menu set to "Union".
- Index Policy:** A dropdown menu set to "Fixed Index".
- Fixed Index:** A text input field containing the expression `{origin.tag('b:categoryIndex').toInt}`.

At the bottom of the dialog are "OK" and "Cancel" buttons.

Properties

- **Artifacts:** Artifacts created by this block
 - **Category:** category created in the CategoryService
- **CategoryName:** [SFormat](#) to define the name of the category. *Ex: hvac*
- **Mode { Union, Intersection}:** The category mode to create
- **IndexPolicy {First Available Index, Increment Last Index, Fixed Index}:** Define how the category index should be handled since this index should be unique.
 - **First Available Index:** The block will look through all the existing categories and pick the first available index
 - **Increment Last Index:** The block will find the category which has the highest index and increment it for the new one.
 - **Fixed Index:** The block will set a fixed index defined in the Fixed Index slot. It's better to use a fixed when you want to have the same indexes on all of your stations because you share users and don't want to re-configure them on each station because the same categories have different indexes. *Ex: You can use a tag to define the index.*
- **FixedIndex:** [SFormat](#) to define the category index.

AdvancedConfig

- **IndexUpdatePolicy {Ignore ; Update}:**
 - **Ignore:** If the category is updated by the block, its index won't be changed. *Ex: you want to control yourself your category indexes on the category itself.*
 - **Update:** The category index will be updated even if the index has been changed manually. *Ex: you updated the tag that was used to define the index, therefore the category index should be updated.*

Note

A relation "b:category" is created between the origin of the strategy and the category. So you can reuse it later to retrieve the category easily. See [AssignRoleToUser](#).

Behavior: DO

The category is created in the CategoryService.

Behavior: REDO

The category index might be updated depending on the IndexUpdatePolicy

Behavior: UNDO

The category is removed from the CategoryService.