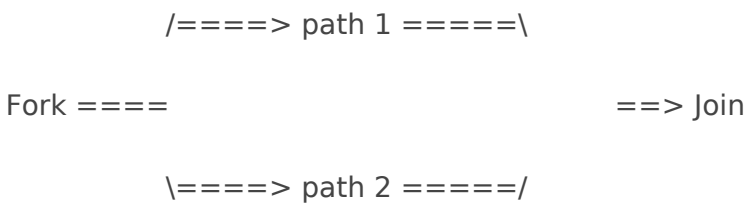


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# Fork

## Definition

This step is used to divide the workflow into two or more paths that will run in parallel, allowing multiple activities to run simultaneously.



## Steps Tabs

### Task details

This process type does not have task details for the fork step.

## Incoming transitions

The Incoming transitions tab displays the previous steps where the flow comes from. When you create a process from a template or from scratch default incoming transitions are defined. It is allowed to customize the default setup, add new transitions, or delete transitions.

- **From:** the previous step, where the flow comes. Allows you to select where the workflow comes from.
- **Incoming transition:** brief name to identify the transition. That is the name of the action the form will show to the final user.
- **To:** current step.
- **Action:** allows creating a custom script to perform specific actions.

When you create an incoming transition, Soffid creates the proper outgoing transition.

## Example

Update custom attributes defined on metadata

```
userName = executionContext.getVariable("userName");
attributes = serviceLocator.getUserService().findUserAttributes(userName);

newAttributes = new HashMap();
newAttributes.put("country", "FR");

language = attributes.get("language");
if (language == null) {
    language = new LinkedList();
}
language.add("Spanish");
language.add("German");

newAttributes.put ("language", language);

serviceLocator.getUserService().updateUserAttributes(userName, newAttributes);
```

## Outgoing transitions

The Outcoming transition tab displays the next steps where the flow can go from the current step. When you create a process from a template or from scratch default outgoing transitions are defined. It is allowed to customize the default setup, add new transitions, or delete transitions.

- **From:** current step.
- **Outgoing transition:** name of the transition. It is a required field, you must comply it to the workflow run properly.
- **To:** the next step, where the flow goes.
- **Action:** allows creating a custom script to perform specific actions.

When you create an outgoing transition, Soffid creates the proper incoming transition.

**Step details**

Step name: Fork

Step type: Fork

Description: Approve

**Task details**   **Incoming transitions**   **Outgoing transitions**

From	Outgoing Transition	To	Action
Fork	goPath2	Path2	
Fork	goPath1	Path1	

## Example

Scroll through the list of roles and the list of grant hierarchies to execute some actions.

```

userName = executionContext.getVariable("userName");

roleList = serviceLocator.getApplicationService().findRolesByUserName(userName);
for (role:roleList) {
    //TO-DO
}

user = serviceLocator.getUserService().findUserByUserName(userName);
roleGrantList = serviceLocator.getApplicationService().findRoleGrantHierarchyByUser(user.id);
for (roleGrant:roleGrantList) {
    //TO-DO
}

```

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