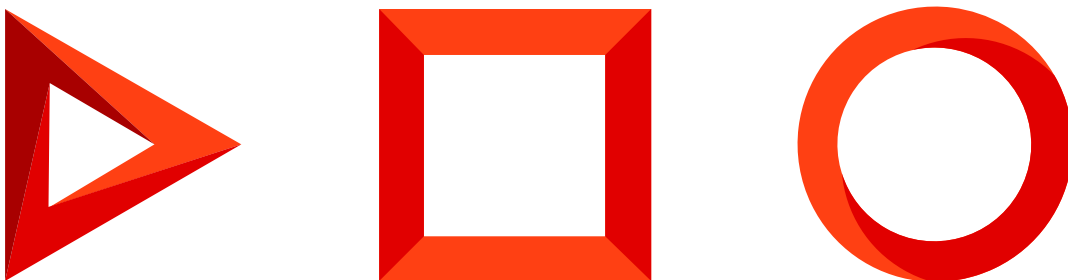


Business process flows and connecting objects

Version 8.0



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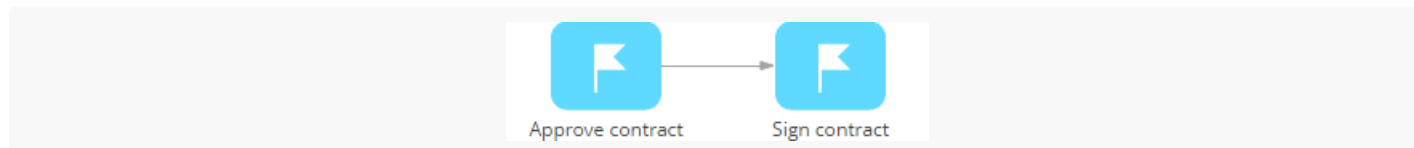
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Sequence flow

PRODUCTS: ALL CREATIO PRODUCTS

Sequence Flow is used to define the order of execution for actions. For example, a contract must be approved and then signed by the parties (Fig. 1).

Fig. 1 Sequence flow



Moving down the sequence flow is performed after the source process element is completed.

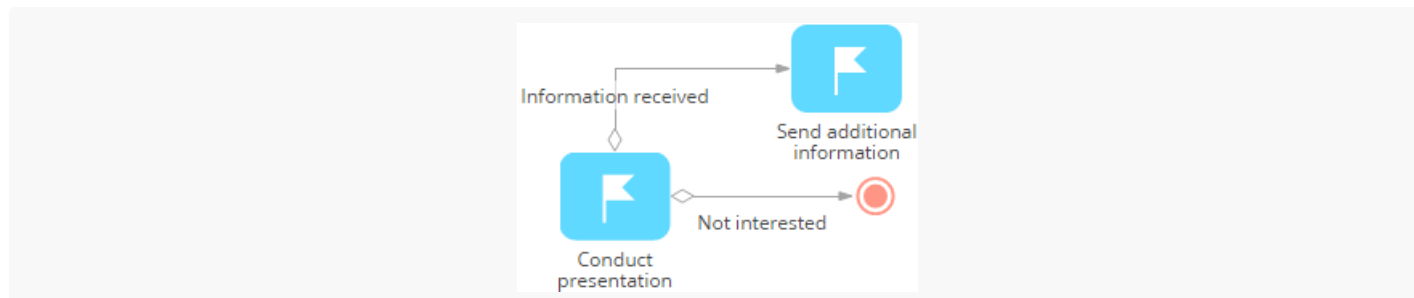
Any process element can have more than one outgoing sequence flow. In this case, moving down all outgoing flows is simultaneous. Using multiple outgoing sequence flows is equal to using a [parallel gateway](#).

Conditional flow

PRODUCTS: ALL CREATIO PRODUCTS

Moving down the conditional flow is done upon fulfilling the condition specified for a flow. For example, if a customer is interested in your products or services, the relevant information must be forwarded to them (Fig. 1)

Fig. 1 Conditional flow



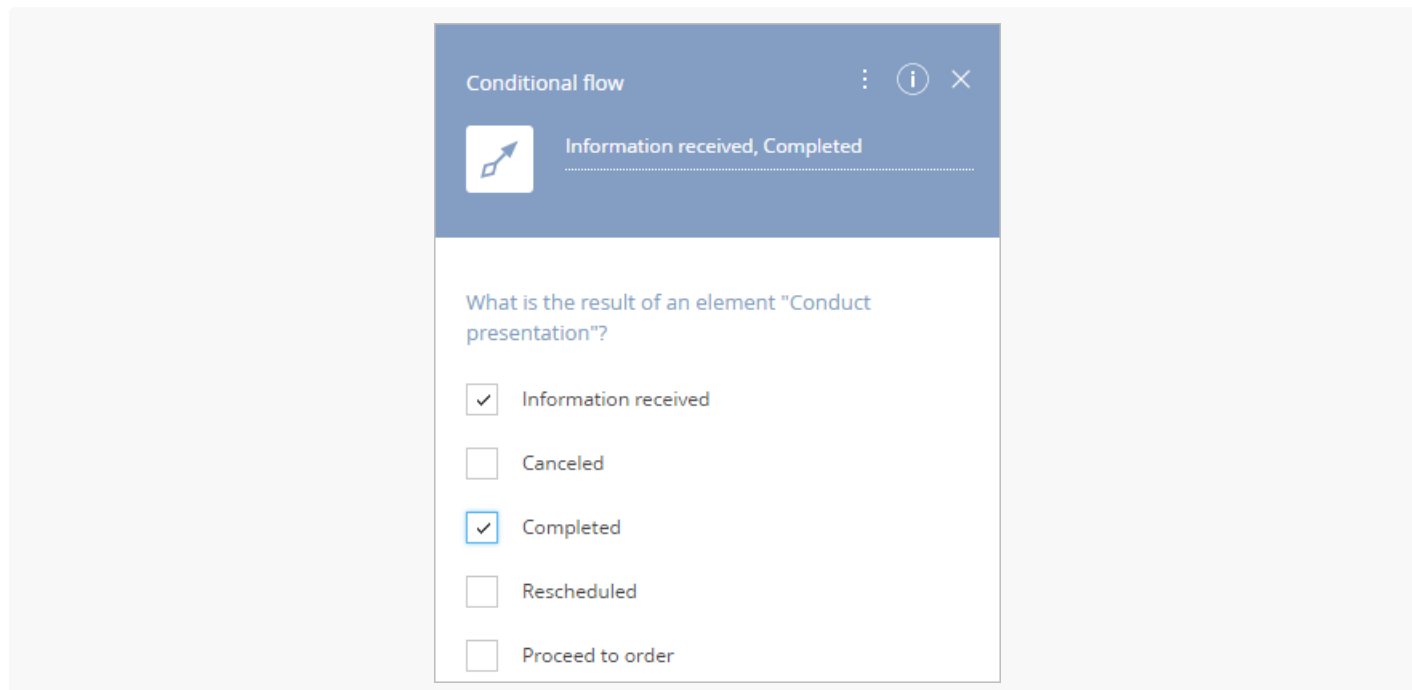
Conditions for gateways are set in the same manner. If a process element (for example, “Perform task”) is connected to a [gateway](#) with a sequence flow, then when you add conditional flows between this gateway and subsequent process elements, it is necessary to specify the conditions for moving down these flows.

Depending on the element they originate from, the conditional flows can be assigned conditions by selecting a preset condition in the element setup window of a conditional flow, or specifying a custom condition using a formula.

Selecting a condition from the list

When you add an outbound conditional flow to an action, such as [\[Perform task \]](#), you can select task results as a condition for activating this conditional flow (Fig. 2).

Fig. 2 Select a condition for a conditional flow



Note. Possible results of the [\[Perform task \]](#) element are stored in the [\[Activity results \]](#) lookup. The list of possible options depends on the type of activity. In this case, only one of the outgoing conditional flows can be activated, as with an [exclusive gateway](#).

Using a formula to create a condition

If a conditional flow originates from any process element whose results cannot be determined by the value in a certain column, you need to specify the condition using the parameter value window. Formulas are also used for conditional flows outgoing from gateways. When you add such a conditional flow, the [\[Formula \]](#) element card is opened. Use it to set conditions for moving down this flow.

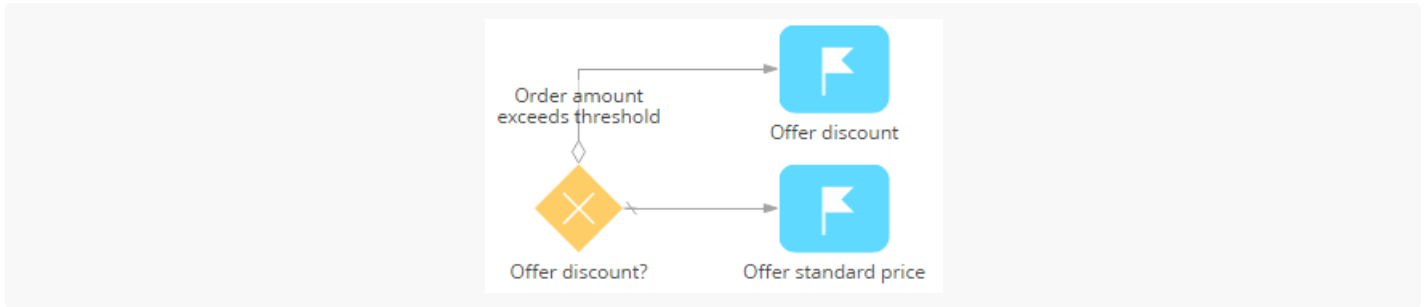
When a formula is used to set conditions for conditional flows, the result of the formula is treated as a Boolean value. The logic is the same as that of the standard [\[Formula \]](#) item whose value is passed to a parameter with the boolean data type.

Default flow

PRODUCTS: [ALL CREATIO PRODUCTS](#)

Moving down a default flow is done when it is impossible to move down any of the conditional flows. For example, by default products are sold to the customer at a standard price, but for large orders the customer can get a discount (Fig. 1).

Fig. 1 Default flow



A default flow is used when there is at least one conditional flow outgoing from the same process element.

As a rule, source process elements for a default flow are gateways, but activities can be used as well.