BPA
Platform

Technical Overview
Decision Tool

codeless
PLATFORMS

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Introduction

The **Decision** tool is used to control the flow of a task process, based on the result of one or more expressions. The decision works by testing a sequence of Boolean (`true`/`false`) conditions in turn until an expression returns `true`. When a `true` condition is returned then that particular branch of the process is followed.

Conceptually, the **Decision** tool allows the selection of different branches in the task plan. These selections are based upon process information, such as date-related information. For example, a different delivery method could be selected for an alert, depending on whether the current day is a weekday, a weekend, or a public holiday. Therefore, a target recipient could receive an email alert on any weekday, or a text message during weekends or, on a public holiday, a holding email could be sent to the contact whose activity triggered the alert.

> **NOTE:** **Decision** dictates the step execution order, *not* recordset or document flow. Because of this, it cannot be used to process a step on a "per recordset row" basis.

Features

▶ Control the process flow using logical expressions

▶ Unlimited branches

▶ `IF…THEN…ELSEIF` mode

▶ `IF…THEN…ELSE` mode

▶ Native VBScript Expressions

▶ Visual branch labelling

Working with Other Tools

The **Decision** tool is independent of any other steps used in a task. It does not directly consume objects outputted by other task steps, nor does it expose objects that can be directly consumed by other task steps.

Global Configuration

The **Decision** tool does not require any global configuration before being used in a task.

Using the Decision Tool

When the **Decision** tool is added to a task, it opens directly in the design area.

Use the **Decision** step pane to do the following:

▶ **Name** — The step name

▶ **Decision Branches** — A list of the configured decision branches

☐ **Label** — The name of the branch; this is displayed on the connector line between the **Decision** step and its successor; up to 128 characters

☐ **Next Step** — The next task step that is called should this branch's conditions be met

▶ Use **Add** and **Edit** to open the Branch Editor

▶ To delete a branch, highlight it and click **Remove**

▶ **Decision (Logical Expression)** — This is the expression used to force the task to take the highlighted branch

About Branch Editor

Use the branch editor to add new or edit existing branches to the **Decision** step.

Using the General Tab

Use the **General** tab to name (**Name**) this branch and select the next step for this branch (**To**).

Using the Script Tab

Enter the VB expression used to force the task to take this branch.

If this branch is used as the "catch-all" for when the other branch's conditions are *not* met, enable **Else**.

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