

Set up process

This article describes how to create or edit a simple process in [PRIME Designer](#), with the Process Designer tool. To create more complex processes with the full set of tasks, the Activiti designer plugin can be used.

This article is valid from Nexus PRIME 3.8.

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Prerequisites

Before setting up a process, make sure that the following things apply:

- [Installed PRIME](#)

Step-by-step instruction

1. Log in to the **PRIME Designer** as an admin user.

1. In PRIME Designer, go to **Home > Process Designer**.
2. To add a new process:
 - a. Click **+New**.
 - b. Enter a **Name**, for example `Create Employee`, and a **Description**.
 - c. Click **Save+Edit**.The **Process Design** panel is shown.
3. To edit an existing process, double-click on its name.
4. Optionally, enter a **Help text**.

Add, remove or edit process tasks as needed.

1. Go to the **Task List** tab.
2. In the Task List tab, click **+** to add a task.
3. Select a task type. See the available [task types and attributes](#).
To use standard service tasks, select **Service task** as type.
4. Enter a **Name**, a **Description**, and the required attributes for the selected task type. For example, for a **Save Data** task, a data pool is needed to specify where to save the data.
5. If a service task is chosen, click the pen symbol to edit.
To use a standard service task:
 - a. Select **Delegate Expression**.
 - b. Enter expression with the name of the standard service task in the text field, for example `$(createRelationJavaDelegate)`.
 - c. Enter values for the given parameters.For information on the available standard service tasks and parameters, see [Standard service tasks](#).
6. To let a step be done in parallel to the previous step, check **Branching**.
7. Click **Preview** to see a graphic representation of the current process.
8. Click **Save**.

Add permissions for users and roles for all operation types:

1. Go to the **Permissions** tab.
2. For each operation type, **Delete**, **Update**, **Start process**, and so on, click the operation name. Repeat steps 3-4 to add permissions for users and roles.

Related information

More details on processes:

- [How to prevent user task to show up in Open tasks](#)
- [Project utils for Nexus PRIME](#)
- [Set up script template](#)
- [Standard service tasks](#)

Other related topics:

- [Configure PRIME](#)
- [PRIME Designer](#)
- [PRIME installation and upgrade](#)

3. To add permissions for a specific user, click **Add user** and select the user in the drop-down list.
4. To add permissions for a role, click **Add role** and select the role in the drop-down list.
5. Click **Save**.

Task types and attributes

Task name	Description	Attributes
Assign New Number	A number from a number range is assigned to a data pool field.	<ul style="list-style-type: none"> • Number range • Data pool and field name
Card Operation	An action on a card (e.g. Set PIN/Change PIN) is executed. See also Structure of an encoding description for more information.	<ul style="list-style-type: none"> • Form • Card action
Change State	The state of an object is changed in the local PRIME database to a particular state, e.g. from "Active" to "Inactive".	<ul style="list-style-type: none"> • Data pool • Target state
Change State in CA	The state of a certificate is changed in the CA to a particular state. The state is then also changed in the local database.	<ul style="list-style-type: none"> • Target state
Check Task	This task checks the relationship between a data pool object and a particular identity object. The relationship must be a "one-to-one" relationship. If this is not the case, an activity error occurs.	<ul style="list-style-type: none"> • Data pool • Identity template
Choose Mapping	Data are copied from one data pool to another by means of mapping.	<ul style="list-style-type: none"> • Mapping
Delete Data	The data of a particular ID are deleted in the data pool indicated.	<ul style="list-style-type: none"> • Data pool
Export Task	Data is exported according to an export definition.	<ul style="list-style-type: none"> • Export definition
Mail Task	An email is sent, e.g. a confirmation of receipt.	<ul style="list-style-type: none"> • Email template
Modify Roles Automatically	Roles are automatically assigned to or withdrawn from particular objects.	<ul style="list-style-type: none"> • Data pool • Role
Modify Roles Manually	The user can assign or withdraw roles to or from particular objects manually.	<ul style="list-style-type: none"> • Data pool • Role
Print Report	A document with the indicated template can be printed.	<ul style="list-style-type: none"> • Form • Report template

Product ion	A card or token is produced. This task is for server side production only.	<ul style="list-style-type: none"> • Card template • For Nexus GO Cards (CaaS) production: Field Name: Field that holds the request id returned by Nexus GO Cards (CaaS).
Product ion with Preview	<p>Before a card is produced a preview of the card is displayed on the user interface. There are two variations: one for client-side and one for server-side production. These differ by the following forms:</p> <ul style="list-style-type: none"> • clientSideProductionPreviewTask.jsp • serverSideProductionPreviewTask.jsp 	<ul style="list-style-type: none"> • Form • Card template
Request Softtoken	A softtoken is required by the CA and sent to the recipient by email.	<ul style="list-style-type: none"> • Certificate type • Email template
Return Number	A number from a number range is released again.	<ul style="list-style-type: none"> • Number range • Data pool and field name
Save Data	The process data are saved in the data pool indicated. If a suitable ID is found, an update is run, otherwise a new data record is created.	<ul style="list-style-type: none"> • Data pool
Script Task	This task contains a scripting engine for script languages such as JUEL, BeanShell, JavaScript and Groovy.	<ul style="list-style-type: none"> • Script to be executed
Service Task	<p>A JAVA class that is executed during the process runtime is added to the process.</p> <p>A set of standard service tasks is available. For more information, see Standard service tasks.</p>	<ul style="list-style-type: none"> • Java Class • For standard service task: Relevant parameters for the selected task
User Task	A user dialog (user task) is used in order to model the interaction of a user. It is a form in which entries have to be made.	<ul style="list-style-type: none"> • Form • Buttons can be configured