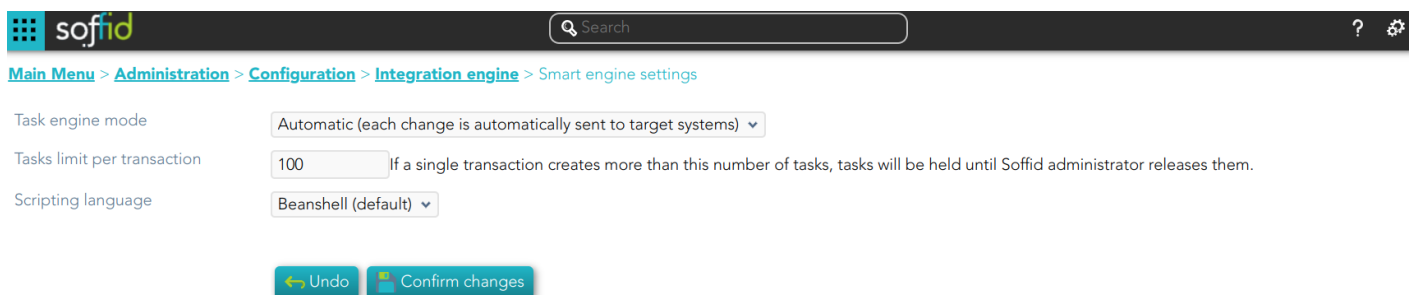


# Smart engine settings

## Description

The administrator users can decide the engine mechanism for the synchronization task, i.e. when the tasks are created and sent to external systems.

## Screen overview



The screenshot shows the Soffid web interface for 'Smart engine settings'. The top navigation bar includes the Soffid logo, a search bar, and a help icon. The breadcrumb trail is: Main Menu > Administration > Configuration > Integration engine > Smart engine settings. The settings are organized into three rows: 1. 'Task engine mode' with a dropdown menu set to 'Automatic (each change is automatically sent to target systems)'. 2. 'Tasks limit per transaction' with a text input field containing '100' and a descriptive note: 'If a single transaction creates more than this number of tasks, tasks will be held until Soffid administrator releases them.' 3. 'Scripting language' with a dropdown menu set to 'Beanshell (default)'. At the bottom, there are two buttons: 'Undo' and 'Confirm changes'.

## Standard attributes

1. **Task engine mode:** allows you to select the synchronization mode. There are three available options:
  - **Read only:** it is the option by default in the Soffid installation. No task is synchronized to external systems.
  - **Manual:** only selected synchronization tasks are performed. You could synchronize manually a user, check the "Propagates the changes" action on the [Users](#) page. Or also synchronize a whole target system, check the [Agents](#) page.
  - **Automatic:** each change is automatically send to target systems.
2. **Tasks limit per transaction:** if a single transaction creates more than this number of tasks, tasks will be held until Soffid administrator releases them. The administrator could check them in the [Sync server monitoring](#) page.
3. **Scripting language:** Soffid allows you to create scripts and you can choose the scripting language:
  - Beanshell

- Javascript
- Autodetected

Soffid offers a set of sample scripts. You can find examples visiting [the Sample scripts page](#).

Additionally, in the initial configuration of the container, we can configure the SOFFID\_TRUSTED\_SCRIPTS environment variable to allow the use of insecure classes. You can find this information visiting [the Installing IAM Console page](#).

## Tips

Use the task engine mode for these scenarios:

**Read Only:** use this option after the Soffid installation until you have at least one target system configured to test the synchronization.

**Manual:** use this option for testing environments, or at the beginning of a live release.

**Automatic:** use this option for live environments, or also for the testing environments when the platform is mature.

Tasks limit per transaction:

Use a high task limit when you are comfortable with the configured processes of Soffid, for instance, 1000 or 10000 depending on the number of accounts of these external systems.

## Actions

<b>Confirm changes</b>	Allows you to update the engine settings.
<b>Undo</b>	Allows you to cancel the changes made and not confirmed.

