

Creating indexing configurations - Technology Preview

This chapter explains how to index resources for their element usages within the selected scope of the Teamwork Cloud repository so that later you could query these usages through the modeling tool.



Prerequisites


- To start using the global element usage indexing and search functionality, you need to [install Elasticsearch \(v7 series\)](#) and [configure Teamwork Cloud](#).
- Only users with [the Server Administrator and Index Manager roles](#) can create indexing configurations.

The screenshot displays the 'Indexing management' interface. On the left is a sidebar with navigation options: Server settings, Server license, LDAP management, OAuth consumers, and Indexing management (selected). The main area is titled 'Indexing configurations (Technology Preview)' and shows a table of configurations. The table has columns: Used Resource chosen to index, Scope chosen for specific used Resources, Indexing mode, Indexing status, and Indexed. The table lists three configurations: 'climate control system' (Not indexed), 'Compressor' (Indexed), and 'Condenser' (Indexed). An orange arrow points to a '+' button in the bottom right corner of the table, which triggers a modal window. The modal is titled 'Select used Resource to index' and has three steps: 1. Resource, 2. Scope, and 3. Mode. In the 'Resource' step, a search bar shows 'CC' and a list of resources is displayed: CC System, climate control system, Compressor, Condenser, Element library, and Evaporator. The 'NEXT' button is visible at the bottom of the modal.

Used Resource chosen to index	Scope chosen for specific used Resources	Indexing mode	Indexing status	Indexed
climate control system	CC System	req_changes	Not indexed	
Compressor	CC System	Automatic	Indexed	May 14, 2021, 9:01:28 AM
Condenser	CC System	Automatic	Indexed	May 14, 2021, 9:01:28 AM

Creating indexing configurations.

To create indexing configurations

- In the right-side menu of the Settings application, select **Indexing management**.
- Click  on the bottom right corner of the screen as shown in the figure above.
- In the open wizard, select the resource you want to create an indexing configuration for and click **Next**.



Note

You can index just one resource at a time. Note that it is possible to search for element usages of indexed resources only.

- Select the scope in which you want to search for element usages of the indexed resource (selected in step 3) and click **Next**.



Note
You can select one or several resources or categories as the indexing scope. If you want to search for the indexed resource element usages in the whole repository, select the **Select all** check box at the top of the resource tree.

5. In the last step of the wizard, select one of the following indexing modes:

- Automatic (default) - the resource is automatically indexed every time new project versions are committed in the indexing scope.
- Manual - the resource is indexed only when indexing is initiated by an authorized user.
- By specific commit tag - the resource is indexed only when new project versions are committed with a specified commit tag in the indexing scope. If you select this indexing mode, the **Commit tag** box appears where you need to specify the desired commit tag.

Resource — Scope — 3 Mode

Select indexing mode

Indexing mode *

By specific commit tag ▼

Commit tag *

requirements

CANCEL CREATE

6. Click the **Create** button.

The created indexing configuration automatically appears in the Indexing configurations list on the content pane. To refresh the indexing status, reload the web page.

Related pages

- [Global element usage indexing and search - Technology preview](#)
- [Global element usage search](#)