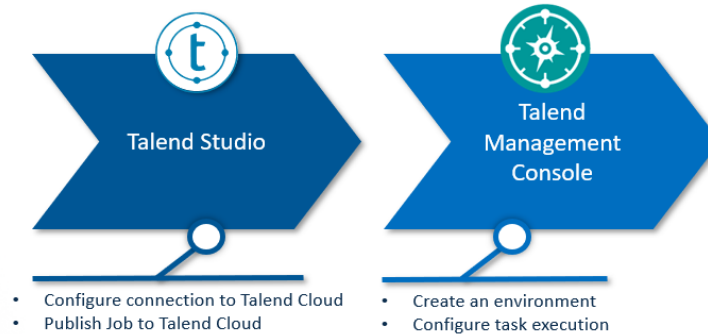


# Running tasks in the cloud

## Overview

In this module, you learned how to publish a Talend Job from Studio to a Talend Cloud environment as a task. You also learned how to configure and execute a task in the Talend Management Console.



## Key steps

### 1 Creating a new environment in Talend Management Console

An environment is a self-contained space with the resources (for example, connections and engines) required to allow the execution of flows in isolation, with no impact on other environments.

In Talend Management Console, create an environment by providing the following:

- Environment name
- Workspace name
- Workspace owner

This is an example of a DEV environment with the workspace Cloud\_Run.

The screenshot shows the 'Create environment' form in the Talend Management Console. The form has the following fields and values:

- Environment name\*: DEV
- Workspace name\*: Cloud\_Run
- Workspace owner: abrown(Adam Brown) (with a dropdown arrow)
- Number of allocated Cloud Engines: (with a dropdown arrow)
- Description: development environment

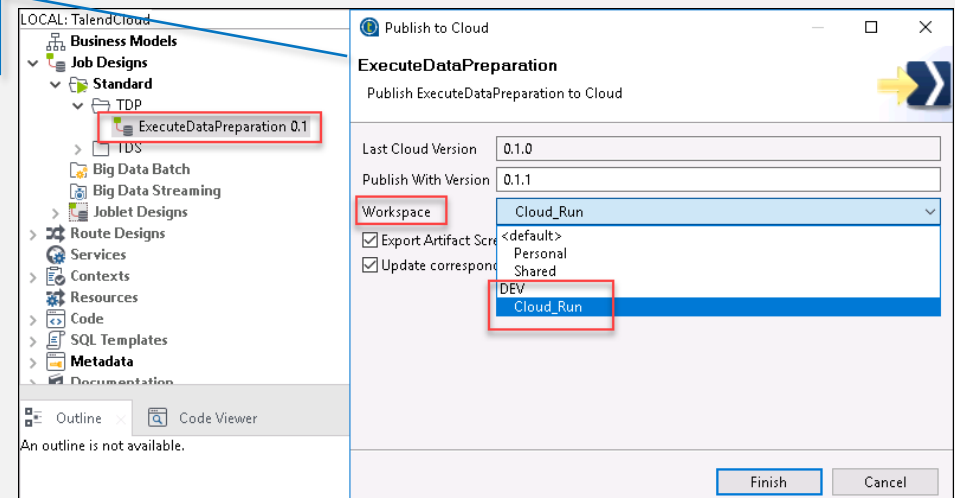
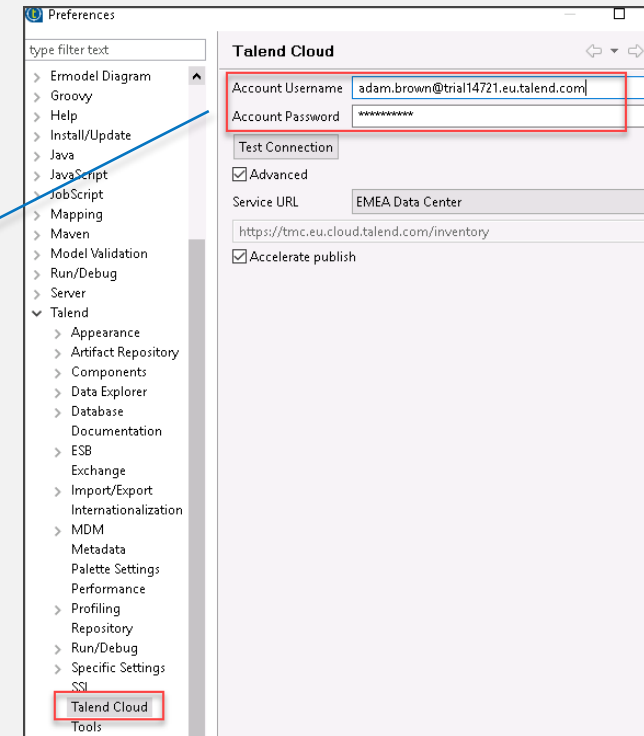
## Publishing a Job to Talend Cloud

Before publishing a Job to Talend Cloud, Talend Studio must be configured with Talend Cloud credentials to connect to Talend Cloud.

In Studio, go to **Window > Preferences > Talend > Talend Cloud**, provide your Talend Cloud account credentials where the Account Username is defined as <login name>@<domain name> in Talend Cloud.

You can publish a Job from Studio to Talend Cloud by selecting the workspace of a Talend Cloud environment.

In this example, the ExecuteDataPreparation Job will be published in the Cloud\_Run workspace of the DEV environment from Studio.



### Configuring a task execution

Before running the Job as a task in Talend Cloud, the Job context variables are displayed as **task parameters** in Talend Management Console and can be updated.

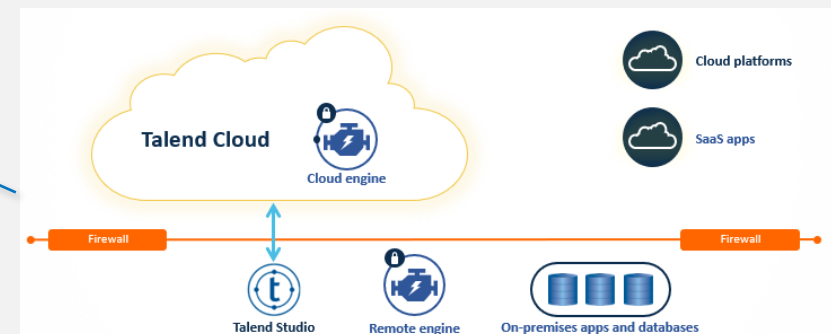
The Job Output\_Dataset context variable value is updated by setting the task Output Dataset parameter value to CleanedCustomers.

You can select the **engine** where the task will be executed by configuring the **task Runtime** in Talend Management Console.

Cloud engines are recommended for cloud-to-cloud integration.

Remote engines are recommended for hybrid-to-cloud integration or fully on-premises integration.

In this task configuration, the **Runtime** is set to **Cloud**. The task will be executed on a Talend Cloud Engine.



| Status  | Start time       | Duration    | Version | Runtime |
|---------|------------------|-------------|---------|---------|
| RUNNING | Wed Mar 20 20... | 7 second(s) | V1      | Cloud   |

## 4

## Running a task in the cloud

After the task is configured, you can run the task in Talend Management Console.

You can monitor the task execution in the Run history section.

Click the **REFRESH** button to check the execution status.

After running a task in the cloud, each execution has an associated log file that allows administrators to verify execution of tasks at any time.

Click the **VIEW LOGS** button to view logs related to the task execution.

The screenshot displays the Talend Management Console interface. At the top, there are two panels: 'Execution (V1)' and 'Configuration'. The 'Execution (V1)' panel shows 'Run type: Manual' and 'Runtime: Cloud'. The 'Configuration' panel shows 'Artifact: ExecuteDataPreparation(0.1.0)' and a dropdown for 'Advanced parameters'. Below these panels is the 'Last 5 runs' section, which includes a 'Run history' tab and a 'REFRESH' button. The 'Run history' table shows a single entry with 'Status: RUNNING', 'Start time: Mon 2020-02-24 17:54:59', 'Duration: Awaiting ...', 'Version: V1', and 'Runtime: Cloud'. Below the table, there is a section for 'Execution in progress' showing 'Executing task'. At the bottom, there are 'TERMINATE' and 'VIEW LOGS' buttons.

| Status  | Start time              | Duration     | Version | Runtime |
|---------|-------------------------|--------------|---------|---------|
| RUNNING | Mon 2020-02-24 17:54:59 | Awaiting ... | V1      | Cloud   |

Artifact: ExecuteDataPreparation(0.1.0)  
 Execution start: -  
 Runtime: Cloud  
 Execution: Manual

Execution in progress  
 Executing task

TERMINATE VIEW LOGS