

Talend Cloud Fundamentals


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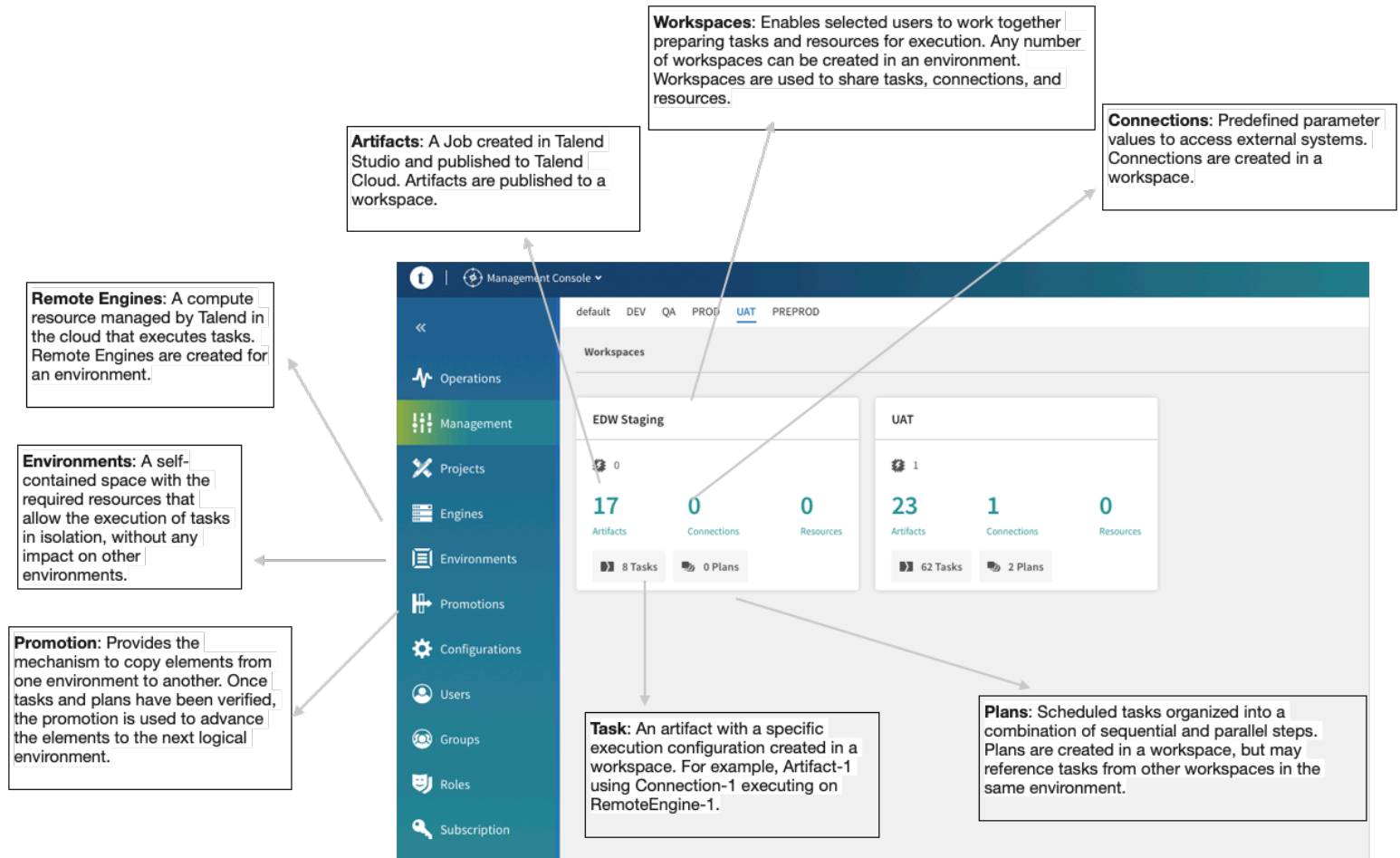
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Talend Cloud

Talend Cloud URL and User accounts

- URL: <https://tmc.us.cloud.talend.com> 
- Master Account: cstokes@coverys.com
- Development & QA Account: edw_dev_us@coverys.com

Overview of Cloud Management Console



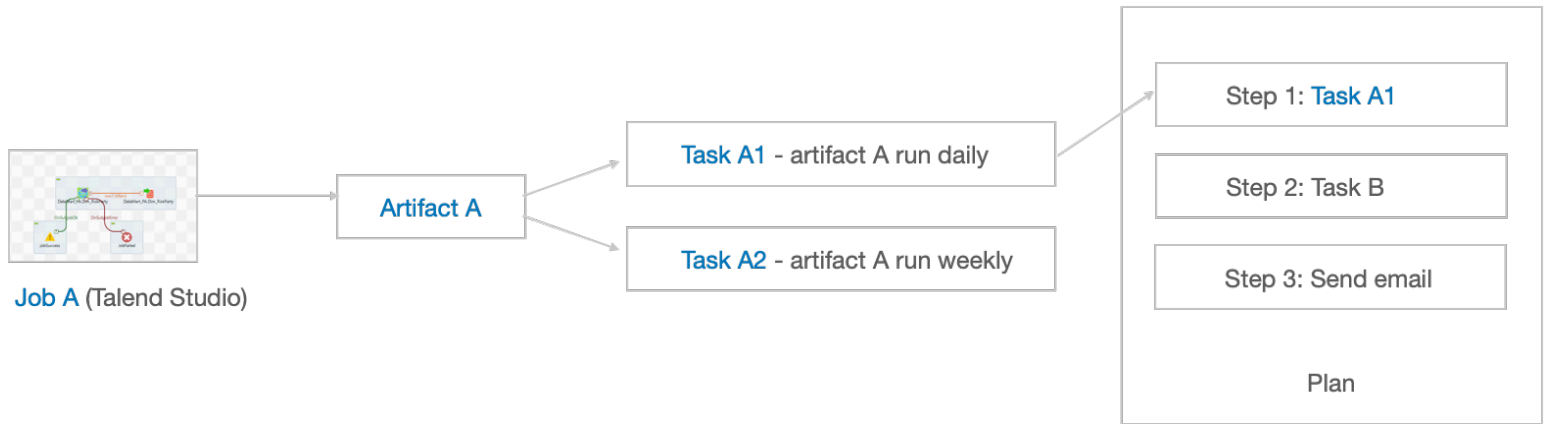
The **Users** and **Roles** tab allow you to configure the talend users, assign roles and permissions. **Groups** tab allows you to create user group to manage sharing of projects or preparations. **Subscription** tab contains all the necessary information regarding the Talend Account. **Project** tab allows you to configure Git repository in Talend Management Console.

Lifecycle of a Talend Job

The lifecycle of a job begins when its first designed in Talend Studio, and then published to Talend Cloud as an Artifact. A task is then created from an artifact with a certain configuration and can be executed independently. Plans may be created from this task if there is a need to organize multiple Tasks into a schemed sequential or parallel steps.



For example, take a job named 'A' as shown below. It's first designed in Talend Studio, and then published to Talend Cloud as an artifact. Many tasks can be created from a single artifact that is configured in different ways. For example, a task can be created from an artifact and scheduled to be run daily, or another task can use the same artifact to be run monthly, or using a different Remote Engine. Task A1 shown below is then included in an Execution Plan containing other tasks.



Promoting environments

In an SDLC workflow, it's recommended to be consistent with workspace and artifact names across your organization. You can promote all the artifacts and workspaces of an environment at once. To preserve ownership and control of environments, it is recommended that the promotion is executed by the owner of the target environment.

After a promotion process is initiated, Talend will analyze the source and target environments and determine the state of an object:

- **Created** : The object does not exist in the target environment and will be created.
- **Reused** : The object exists in the target environment with the same version.
- **Replaced** : The object exists in the target environment and will be replaced by the source environment version.
- **Failed** : The object cannot be promoted because of a conflict.

Note:

- If the target environment name is the same as a context environment in Studio, the artifact/task is created with context parameter values of the design pulled from Studio. Otherwise, they correspond to the values set in the source environment.
- Therefore, remember to always match the Talend Cloud Environment name to the context name you're defining in Talend Studio.
- Tasks need to be selected with 'automatically update' in all environments in order to be updated with the latest artifacts.
- Remote Engines need to be named the same in all environments to allow the promotion process to automatically pick up correct Remote Engines.
- Connection names must be the same across all environments.
- Plans must be run at least once before they can be promoted.
- Personal workspaces cannot be promoted

References

- Talend Management Console Users, Groups, Roles:

https://help.talend.com/reader/6SB6Qfc014RWM4mEltupHA/U0QbEX41hSsR5s4bxtP_ww 

- Creating Tasks:

<https://help.talend.com/reader/6SB6Qfc014RWM4mEltupHA/qbVjRgwSvxFPeMgyapCWEw> 

- Creating Plans:

<https://help.talend.com/reader/6SB6Qfc014RWM4mEltupHA/9Xey5wvB728L3vyNxx3qgA> 

- Scheduling Job Executions:

<https://help.talend.com/reader/6SB6Qfc014RWM4mEltupHA/p3PFWeuexYGFKEVmMUgjMQ> 

- Publishing to Talend Cloud:

https://help.talend.com/reader/6SB6Qfc014RWM4mEltupHA/Mx_D8xHZ_uA_CyrF319leQ 

- Managing Promotions:

https://help.talend.com/reader/6SB6Qfc014RWM4mEltupHA/KsAq_ce9J_RY1Fh~tLU1fA 