

Reporting on Comala Workflows data

Comala Workflows provides a workflow and approval process that serves many different organizations. Using Reporting, sophisticated reports can be built to access and review your Workflow data.

⚠ This use case involves an integration between Reporting and Comala Workflows. Both apps must be installed before proceeding.

[view See the Live Demo](#)

The screenshot shows a personal dashboard for 'Comala Workflows' created by Helena Ng. It is divided into two main sections: 'Tasks assigned to me' and 'Pages that require my approval'.

Tasks assigned to me

Page Title	Current State	Tasks assigned to me	Last modified
Awesome concrete towels	In Progress	<ul style="list-style-type: none">Check grammar, assigned to Helena Ng by Azwandi Aris, due 31 Dec 2017 (13 days left).Additional comments: -	15 Dec, 2017 (3 days ago)

Pages that require my approval

Page Title	State	Approval status	Approval assigned to	Outstanding tasks	Last approved by
Product Catalog	In Progress	Review	Azwandi Aris, Helena Ng, Demo Admin	<ul style="list-style-type: none">Add some panels to separate our products, assigned to Abdullah Al-Thawr by Azwandi Aris, due 31 Jan 2018 (44 days left).Additional comments: -Add pictures!, assigned to Demo User by Helena Ng, due - (- days left).Additional comments: Pending material from Marketing team.Add our latest products for FY2018 Q4, assigned to Demo User by Helena Ng, due 31 Dec 2017 (13 days left).Additional comments: -	Unknown on Not specified (- days ago)
Awesome plastic bacon	In Progress	Review	Helena Ng, Azwandi Aris	<ul style="list-style-type: none">Fix grammar problem, assigned to Demo User by Helena Ng, due - (- days left).Additional comments: -	Helena Ng on 14 Dec, 2017 (4 days ago)

Recipes

- All page states within a space
- All pages with the 'Approved' state in the last month
- Message banners for pages
- Pages that require approval
- Pages that require my approval
- Tasks assigned to me
- Tasks due in the next month
- Tasks in this space

Resources from Comalatech

- [ServiceRocket Reporting Integration](#)
- [Workflow Supplier](#)
- [workflow-reporter macro](#)

Understanding the Workflow Supplier

The [Workflow Supplier](#) created by Comalatech allows you to access Workflow data using Reporting. It is an extension of our existing set of [Suppliers](#).

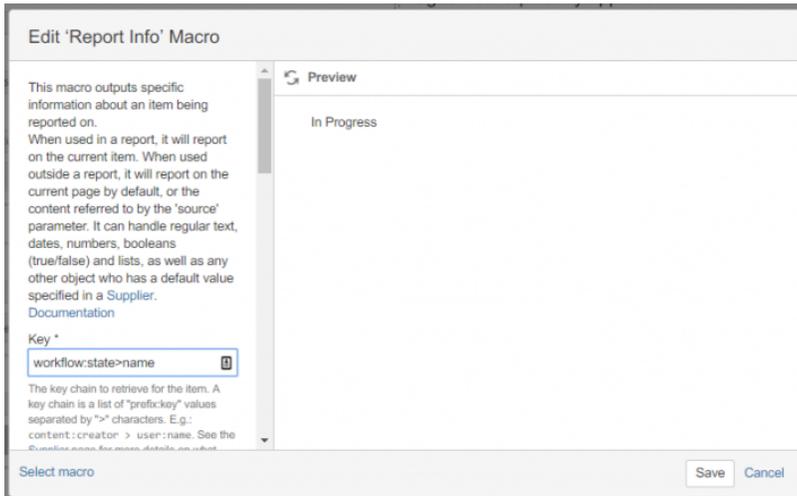
The 3 main objects supplied by the Workflow Supplier are: **approvals**, **states** and **tasks**. Any page with an existing Workflow will contain these 3 objects. To access the Workflow data associated with each page or space, simply refer to the keys provided by the [Workflow Supplier](#).

Fetching data from Workflows

Accessing the Workflow data is the same as any other key. Just refer to the [Workflow Supplier](#) to figure out what you would like to report on.

If you are an existing Reporting user, then this should be easy 😊

Example



`workflow:state>name` returns the name of a page's state, this case it's 'In Progress'.

`workflow` is the **prefix**, and `state` is the **key**. `name` is the **chained key** of `state`.

Limitations of Workflows

1. Under Approvals, there are 2 keys to determine approval: `approved` and `rejected` with Boolean values that are basically a negation of each other.
 - e.g. when a page is not yet approved, then `approved==false` and `rejected==yes`.
 - This is unintuitive because if a page is not approved, doesn't mean it's rejected either.
 - Because of this design, users will not be able to report on a list of rejected pages. The report would be a list of 'unapproved' pages instead.
2. Cannot access `workflow:tasks` or `workflow:approvals` directly.
 - If `report-info: workflow:tasks>name` is done, nothing would be returned.
 - Instead, the workaround should be:
 - `{report-on: workflow:tasks}`
 - `{report-info: name}`
3. Because all Workflow fields are initiated to "" when a Workflow is initialized, that means all values are already a string.
 - In most cases **report-empty** will not work.
 - Workaround is to have very meaningful names in the 'default value' field.
4. Tasks and Approvals should be accessed using a **collection-filter** instead of a **text-filter** or **date-filter**.
 - This is because there are multiple tasks/approvals under the `tasks` object. Chaining a `collection:first` to task is unintuitive and bad UX.