



Grant access to Superset dashboards

Superset is WorkFusion's analytics tool that helps you monitor metrics related to Digital Workers. Superset is installed along the product, so you will only need to configure access for users to start working with it. Once you install a new DW skill, its dashboard appears automatically in Control Tower.

To access Superset-based Digital Workers dashboards, in Control Tower, click the title, and in the dropdown box, click **Insights**.

To verify that a dashboard is ready for use, as an admin user, check the connection to databases and datasets:

1. On the Superset main screen, click **Settings > Database Connections**.
 - o The **Databases** tab contains all your established connections to databases.

WorkFusion	Dashboards	Settings ▾
Data	Databases	Datasets
EXPOSE IN SQL LAB	AQE	Upload file to database ▾
Select or type... ▾	Select or type... ▾	+ DATABASE
Search		
Database		
Backend	AQE	DML
CSV upload	Expose in SQL Lab	Created by
Last modified ↓	Actions	
Microsoft SQL Server	mssql	×
×	×	×
×	✓	Superset Admin
3 hours ago		
Billing Elasticsearch	elasticsearch	×
×	×	×
×	✓	Superset Admin
a day ago		
« 1 »		
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Click the **Add Database (+)** button to create a new connection.

Here, Superset syncs with your deployed **Microsoft SQL server** and imports data from its tables.

- o On the **Datasets** tab, you can find the uploaded **datasets**.

Data

Databases

Datasets

OWNER

DATABASE

SCHEMA

TYPE

CERTIFIED

Select or type... ▾

Select or type... ▾

Select or type... ▾

Select or type... ▾

Select or type... ▾

Name	Type	Database	Schema
 billing-all-audited-wf	Physical	Billing ElasticSearch	default

Provide access to dashboards

Users must have access to both the data in dataset tables and the dashboard to see relevant analytics.

To provide access to data, do the following:







1. Go to the Superset main screen, click **Settings** > **Database Connections** > the **Datasets** tab.
2. Hold the pointer over the dataset line, and in the **Action** column, click the **Pencil** icon. The **Edit dataset** window appears.

WorkFusion Dashboards Settings ▾

Data Databases Datasets BULK SELECT + DATASET ↕

OWNER DATABASE SCHEMA TYPE CERTIFIED

Select or type... ▾ Select or type... ▾ Select or type... ▾ Select or type... ▾ Select or type... ▾ Search 🔍

Name	Type	Database	Schema	Modified ↓	Modified by	Owners	Actions
 wb_uc_nn_overview_searches_v	Virtual	Microsoft SQL Server	dm	3 hours ago	superset superset	superset superset	   
 wb_uc_nn_overview_keywords_v	Physical	Microsoft SQL Server	dm	3 hours ago	superset superset	superset superset	

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TIP

Alternatively, on the **Dashboard** screen, click **Edit dashboard** > **Edit properties**.

3. In the dataset window, go to the **Settings** tab, and in the **Owners** box, add or remove the access group.

Currently, there are two access groups available:

- **Superset admin** has full access to the Keycloak and the dashboards. These users can select the dashboards and provide access to them for specific users in the **read_only** group.
- The **read_only** users can only view dashboards but can't alter them. These users can see only the dashboards to which they have access.

Edit Dataset **billing-all-audited-wf**

Be careful. Changing these settings will affect all charts using this dataset, including charts owned by other people.

SOURCE METRICS 4 COLUMNS 19 CALCULATED COLUMNS 0 **SETTINGS**

Basic

DESCRIPTION

1

DEFAULT URL

Default URL to redirect to when accessing from the dataset list page

AUTOCOMPLETE FILTERS

Whether to populate autocomplete filters options

AUTOCOMPLETE QUERY PREDICATE

1

EDIT SQL IN MODAL

When using "Autocomplete filters", this can be used to improve performance of the query fetching the values. Use this option to apply a predicate (WHERE clause) to the query selecting the distinct values from the table. Typically the intent would be to limit the scan by applying a relative time filter on a partitioned or indexed time-related field.

EXTRA

1

Extra data to specify table metadata. Currently supports metadata of the format: {"certification": {"certified_by": "Data Platform Team", "details": "This table is the source of truth."}, "warning_markdown": "This is a warning."}.

OWNERS

Select ...

Advanced

CACHE TIMEOUT

The duration of time in seconds before the cache is invalidated

HOURS OFFSET

0

The number of hours, negative or positive, to shift the time column. This can be used to move UTC time to local time.

TEMPLATE PARAMETERS

A set of parameters that become available in the query using Jinja templating syntax

CANCEL SAVE

4. Click **Save**.

To provide access to a dashboard, do the following:

1. On the **Dashboards** screen, find a desired dashboard in the table, hold the pointer over the dashboard line, and in the **Action** column, click the **Pencil** icon.

WorkFusion Dashboards Settings

Dashboards Bulk select

Owner Created by Status Favorite Certified Search

Title	Modified by	Status	Modified ↓	Created by	Owners	Actions
☆ Billing Overview OVG	Superset Admin	Published	51 minutes ago	superset :	SS	<div> <div></div> <div></div> <div></div> </div>

1
1-1 of 1

The **Edit dashboard** window appears.

2. In the **Access** group, in the **Owners** box, add or remove the access group the same way as for the datasets.

Dashboard properties

Basic information

TITLE

Billing Overview OVG

URL SLUG

A readable URL for your dashboard

Access

OWNERS

Superset Admin ×

read_only ×

Owners is a list of users who can alter the dashboard. Searchable by name or username.

ROLES

Select ...

Roles is a list which defines access to the dashboard. Granting a role access to a dashboard will bypass dataset level checks. If no roles are defined, then the dashboard is available to all roles.

COLOR SCHEME

Select scheme

Certification

CERTIFIED BY

Person or group that has certified this dashboard.

CERTIFICATION DETAILS

Any additional detail to show in the certification tooltip.

> ADVANCED

CANCEL

SAVE

Set roles in Keycloak

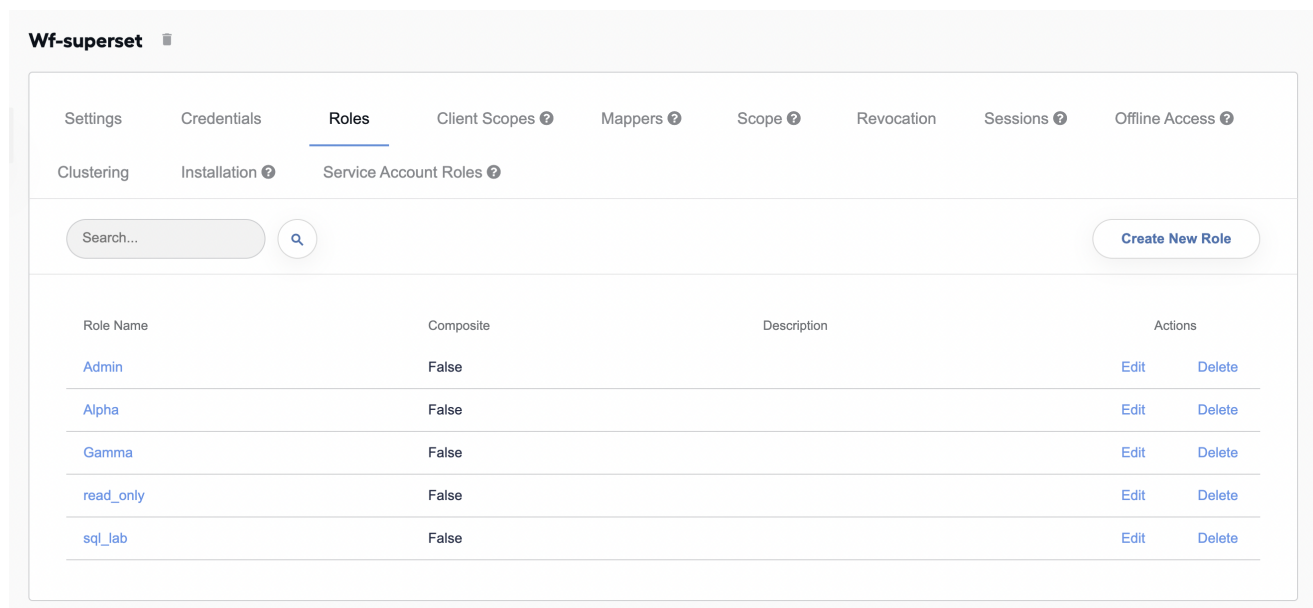
ⓘ ONLY FOR ON-PREMISE INSTALLATIONS

Superset is automatically integrated with Keycloak and takes the roles and access permissions from there.

To check the existing roles, do the following:

1. In Keycloak, on the main menu, in the **Configure** group, click **Clients**, and in the list, click the **wf-superset** client. The client window appears.
2. Go to the **Roles** tab.

The existing roles are presented here. To create another one, click **Create** and follow the [guide](#).

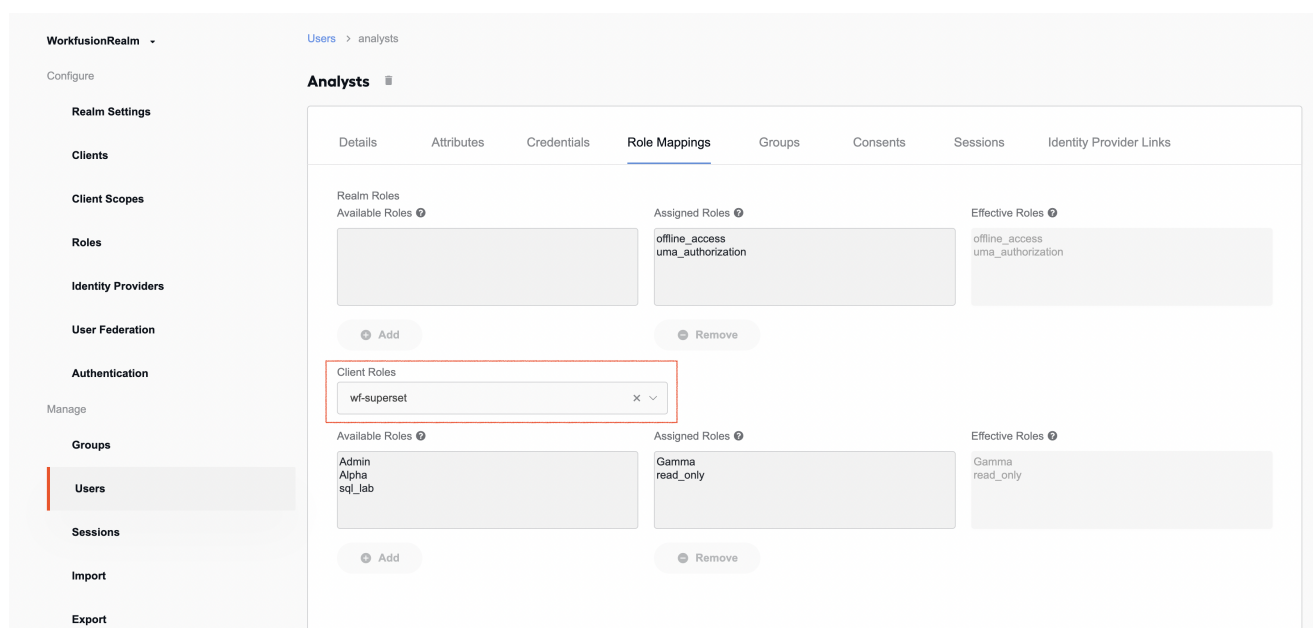


The screenshot shows the 'Wf-superset' Roles management interface. At the top, there are navigation tabs: Settings, Credentials, Roles (active), Client Scopes, Mappers, Scope, Revocation, Sessions, and Offline Access. Below these are sub-tabs: Clustering, Installation, and Service Account Roles. A search bar and a 'Create New Role' button are located above a table of roles.

Role Name	Composite	Description	Actions
Admin	False		Edit Delete
Alpha	False		Edit Delete
Gamma	False		Edit Delete
read_only	False		Edit Delete
sql_lab	False		Edit Delete

To assign the read-only role to a specific user, do the following:

- On the Keycloak main menu, in the **Manage** group, click **Users**. The users' list appears.
- In the list, click the user you want to assign a new Superset role and go to the **Role Mappings** tab.
- In **Role Mappings**, in the **Client Roles** box, select your client, here, **wf-superset**.



The screenshot shows the 'WorkfusionRealm' configuration page for user 'analysts'. The 'Role Mappings' tab is active. It displays three columns: 'Realm Roles', 'Assigned Roles', and 'Effective Roles'. The 'Client Roles' dropdown is highlighted with a red box and shows 'wf-superset' selected. Below this, there are two sections for 'Available Roles' and 'Assigned Roles' with 'Add' and 'Remove' buttons. The 'Available Roles' section lists 'Admin', 'Alpha', and 'sql_lab'. The 'Assigned Roles' section lists 'Gamma' and 'read_only'.

- In the **Available Roles** box, select the **read-only** role and click **Add** to move it to the **Assigned Roles** box.

If the user logs in for the first time, Superset communicates with the Keycloak. If the person is valid, Keycloak displays the assigned roles and provides access to Superset.

Tags: Access & security