
Urungi

BibLibre

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Urungi is a lightweight open source software that helps you visualize statistics by building dashboards fed by multiple data sources.

Centralize Connect Urungi with any SQL data source. All your stats will end up in one place

Analyze Explore and define your views and reports on your data according to your needs and the expectations of your users

Share Build dashboard to visualize and display your data

Supported databases Urungi supports the following database management systems:

- PostgreSQL
- MySQL
- Microsoft SQL Server
- Oracle Database

INSTALLATION

1.1 Requirements

- nodejs ($\geq 12.x$) and npm
- MongoDB (≥ 4.0)

1.2 Installation

1. Install the requirements listed above
2. Clone the github repository

```
git clone https://github.com/bibliobre/urungi.git
cd urungi
```

3. Download and install dependencies

```
# In development environment
npm ci

# In production environment
npm ci --only=production
```

4. Run MongoDB migrations

```
# In development environment
npx migrate-mongo up

# In production environment
NODE_ENV=production npx migrate-mongo up
```

5. (Optional but recommended) Create a local config file and change the session's secret (see [Configuration](#))

Note: If you are going to use oracle connections, Oracle Client libraries must be installed. To get those libraries, install an Instant Client Basic or Basic Light package from <https://www.oracle.com/database/technologies/instant-client/downloads.html>

Installation instructions: <https://oracle.github.io/node-oracledb/INSTALL.html>

CONFIGURATION

Urungi uses `config` to manage its configuration files.

You can change the configuration by creating a file in `config/` directory named `local-{env}.js` (where `{env}` is one of: `production`, `development`) and overriding any properties defined in `config/default.js`.

More info at <https://github.com/lorenwest/node-config/wiki/Configuration-Files>.

START THE SERVER

1. To start the server, execute the following command:

```
node server.js
```

2. Point your browser to Urungi's location (eg. <http://localhost:8080>)
3. The first user is automatically created. You can log in with the following credentials:
 - Username: administrator
 - Password: urungi

UPGRADE

To upgrade Urungi to the latest version, follow these steps:

1. Update sources

```
git pull --rebase
```

2. Update dependencies

```
# In development environment
npm ci

# In production environment
npm ci --only=production
```

3. Update database

```
# In development environment
npx migrate-mongo up

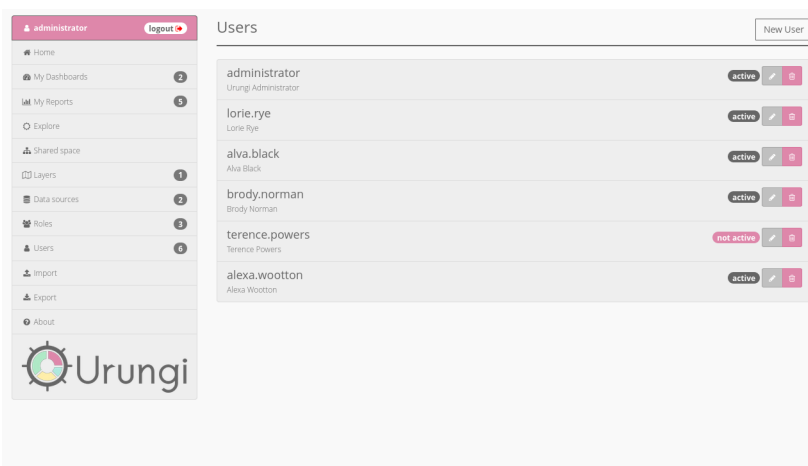
# In production environment
NODE_ENV=production npx migrate-mongo up
```

4. Restart the server

USERS

This section lets you create, modify or delete users.

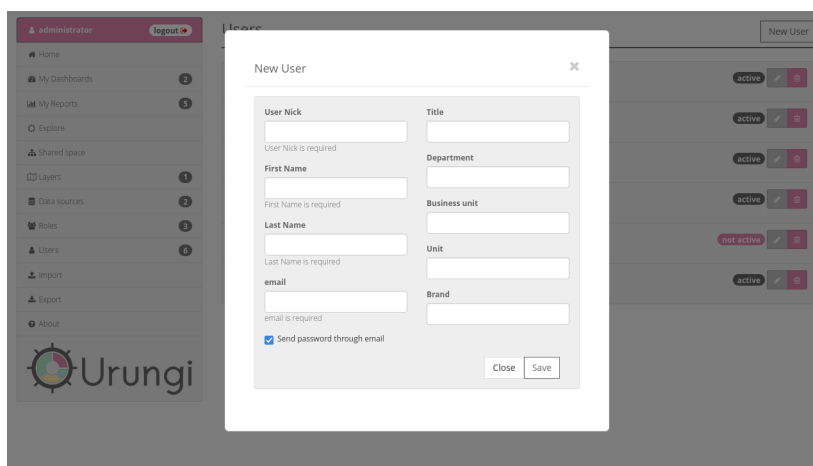
It is only accessible to administrators.



5.1 Create a new user

To create a new user, go to the [Users](#) section, and click on the New user button in the top right corner of the page.

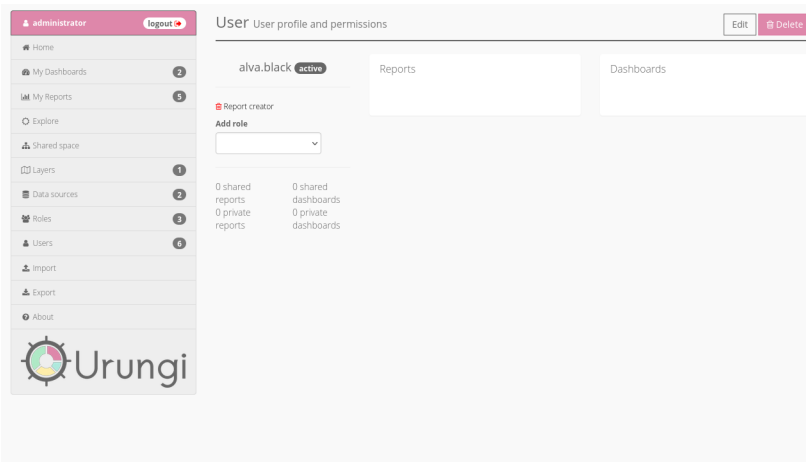
This will open a modal window that let you fill all user informations.



Once you are done, click on the Save button. This will create the user and close the modal window.

5.2 Modify an existing user

To modify an existing user go to the *Users* section, and click on their name. This will bring you to the user's details page.



From there, you can:

- change user's status (active/inactive) by clicking on the status next to their username (inactive users cannot log in);
- grant user new permissions by adding a role, using the dropdown list;
- modify all other user's informations by clicking on the **Edit** button in the top right corner of the page;
- delete user by clicking on the **Delete** button in the top right corner of the page.

REPORT TYPES

6.1 Population Pyramid

The *population pyramid* report type allows to display a central graph like population pyramid.

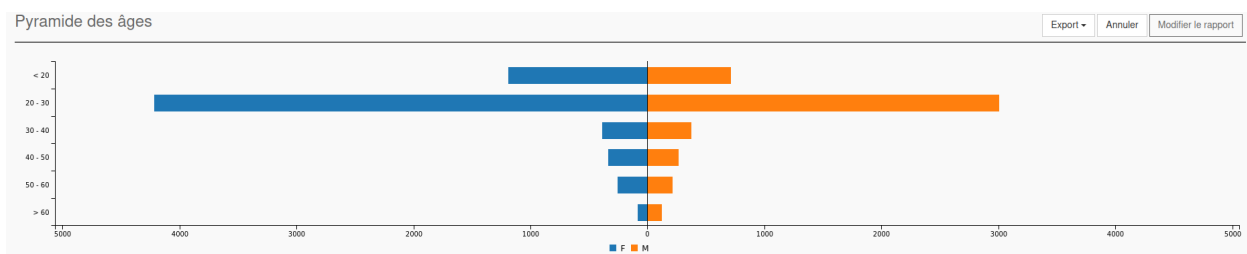


Fig. 1: Example of a population pyramid report

There are three different places where you can put your columns:

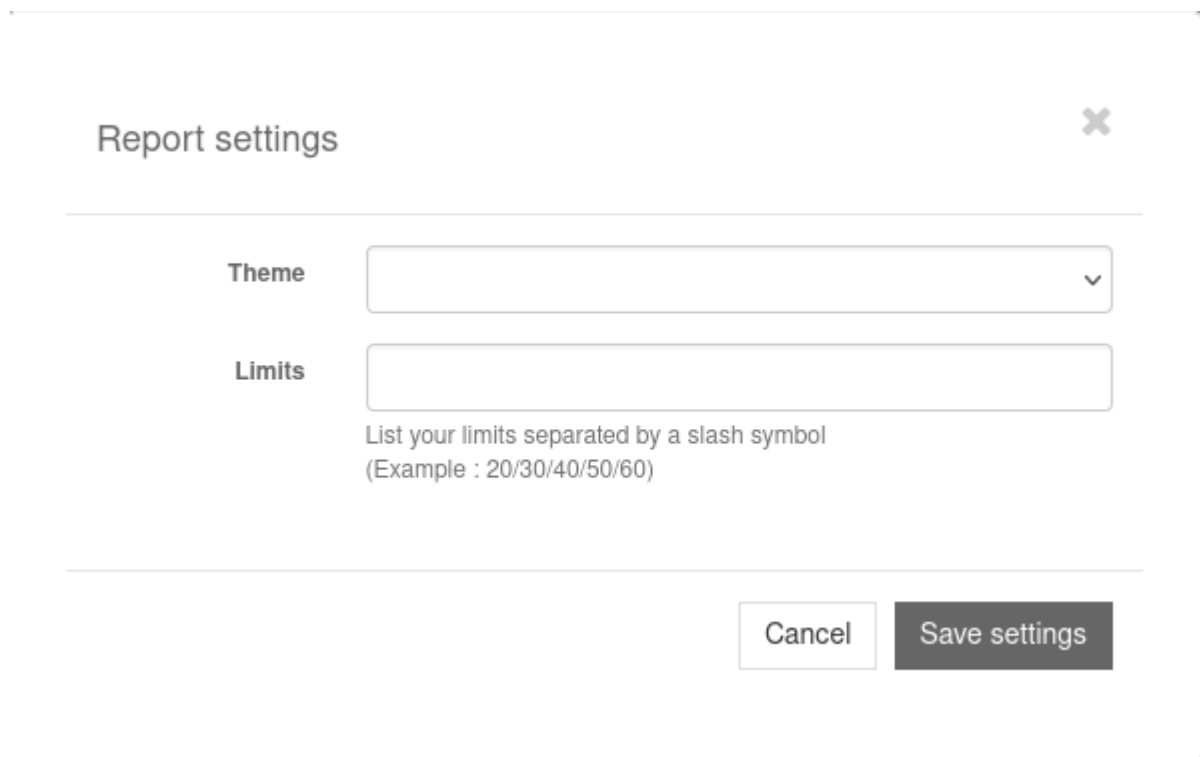
Metrics This is the datas that will be analyzed and display in separated way.

Dimension column This is the column where you can put the field that will divide the results into different categories.

Filters These are regular filters and work the same as for other report types.

6.1.1 Report settings

Here you can easily indicate limits (range) for your datas separating by '/'.



The image shows a modal window titled "Report settings" with a close button (X) in the top right corner. The modal contains two input fields: "Theme" and "Limits". The "Theme" field is a dropdown menu with a downward arrow. The "Limits" field is a text input box. Below the "Limits" field, there is a hint text: "List your limits separated by a slash symbol (Example : 20/30/40/50/60)". At the bottom right of the modal, there are two buttons: "Cancel" and "Save settings".

Report settings

Theme

Limits

List your limits separated by a slash symbol
(Example : 20/30/40/50/60)

Cancel Save settings

Fig. 2: Screenshot of the pyramid report settings modal window