
wai-sdg-portal

Akvo

Sep 07, 2023

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INSTALLATION GUIDE

Warning: Below step is for production-ready installation process. Please follow [Developer-Guide](#) to setup the development mode.

1.1 System Requirements

System Memory

4 GiB

CPU

2 GHz Dual Core Processor

Storage

25 GiB or more Disk

Operating System

Ubuntu Server 22.04

1.2 Prerequisite

Docker Engine

20.10 or above

Git

2.39 or above

3rd Party Service Providers

- Auth0
- Mailjet

1.3 Preparation

Note: The following guide is an example installation on **Ubuntu and Debian based systems**. It has been with **Ubuntu 22.04**.

1.3.1 Install Docker Engine

You need the latest Docker version installed. If you do not have it, please see the following installation guide to get it.

1. Update the apt package index and install packages to allow apt to use a repository over HTTPS:

```
sudo apt update
sudo apt install ca-certificates curl gnupg lsb-release
```

2. Add Docker's official GPG key:

```
sudo mkdir -p /etc/apt/keyrings
curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o /
↳etc/apt/keyrings/docker.gpg
```

3. Use the following command to set up the repository:

```
echo \
"deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.gpg]
↳https://download.docker.com/linux/ubuntu \
$(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list > /dev/
↳null
```

4. Update the apt package index:

```
sudo apt update
```

5. Install Docker Engine, containerd, and Docker Compose.

```
sudo apt-get install \
docker-ce docker-ce-cli \
containerd.io docker-compose-plugin
```

6. Manage Docker as a non-root user

```
sudo groupadd docker
sudo usermod -aG docker $USER
newgrp docker
```

1.3.2 Install Git Version Control

The WAI SDG Portal uses git as version control. Therefore it is better to install git to make it easier to retrieve updates instead download the repository zip.

```
sudo apt install git
```

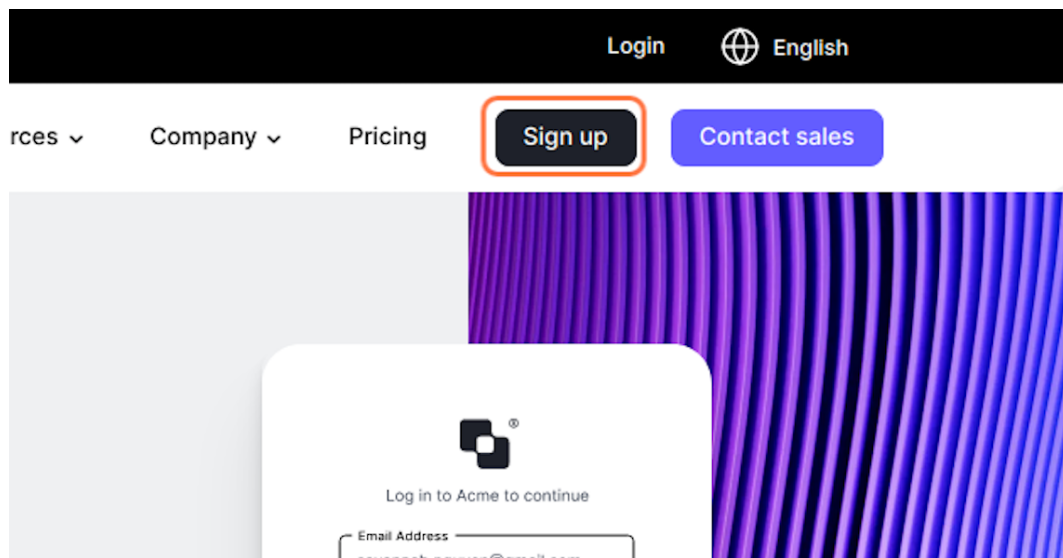
1.3.3 Auth0 Identity Providers

This application **DO NOT** store directly any personal information. WAI SDG Portal uses [AUTH0](#) for a flexible solution to add authentication services.

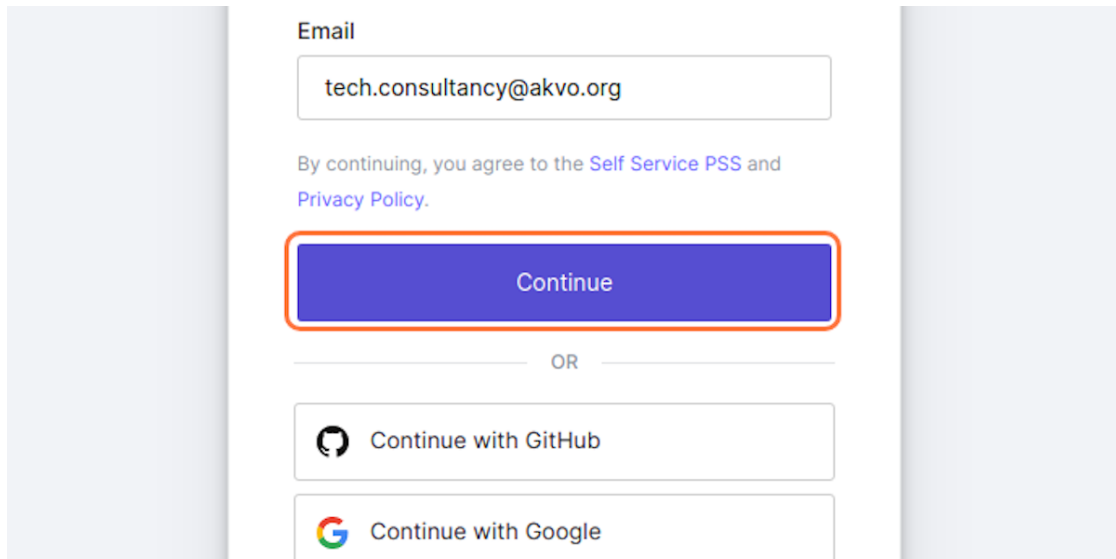
Please visit [AUTH0](#), then follow below guide:

Create Auth0 Account

1. Visit Auth0.com



2. Sign up new account




Email


tech.consultancy@akvo.org

By continuing, you agree to the [Self Service PSS](#) and [Privacy Policy](#).

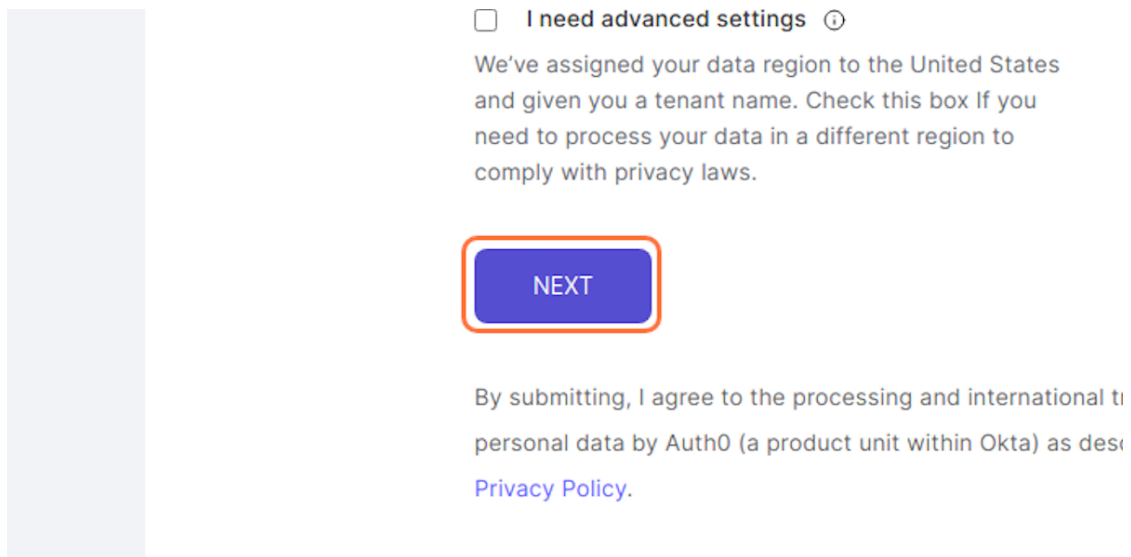
Continue

OR

 Continue with GitHub

 Continue with Google

3. Finish Sign Up



☐ I need advanced settings ⓘ

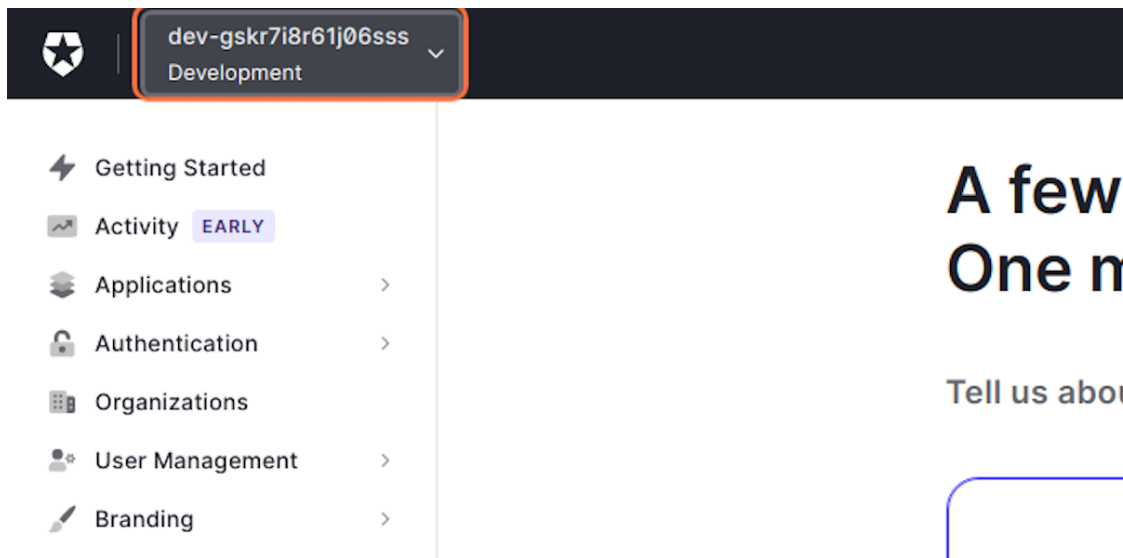
We've assigned your data region to the United States and given you a tenant name. Check this box if you need to process your data in a different region to comply with privacy laws.

NEXT

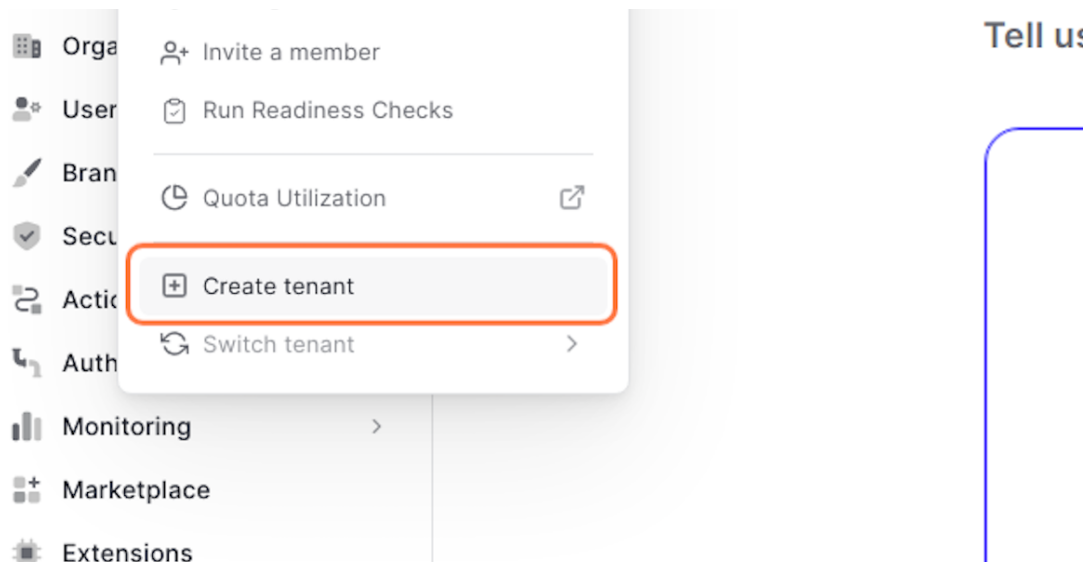
By submitting, I agree to the processing and international transfer of personal data by Auth0 (a product unit within Okta) as described in the [Privacy Policy](#).

Creating New Tenant

1. Navigate to Left Corner Dropdown



2. Click create New Tenant



3. Fill the Tenant Domain

Note: Please use your website domain so it can be more consistent

New Tenant


Tenant Domain *


wai-demo


.us.auth0


The domain name you choose here will be used for the API endpoints of your applications. Once chosen, the domain name cannot be renamed.

Region *

 Australia

 EU


 Japan


 US


4. Choose region that is closer to your server


The domain name you choose here will be used for the API endpoints of your applications. Once chosen, the domain name cannot be renamed.

Region *

 Australia


 EU

 Japan

 US

We can host all of your data in any of these regions. Useful if you want to host data in a specific region for any reason (e.g. EU)

New Region BETA

 UK

5. Finish, Click Create

ents. Higher rate limits are applied to
[learn more](#)

Cancel

Create

Now you have switched to your new tenant**

The screenshot displays the WAI-SDG portal interface after a tenant switch. At the top, a dark navigation bar contains a shield icon on the left and a dropdown menu on the right. The dropdown menu is open, showing 'wai-demo' and 'Development' with a downward arrow. Below the navigation bar, a sidebar menu lists several options: 'Getting Started' with a lightning bolt icon, 'Activity' with a line graph icon and a purple 'EARLY' badge, 'Applications' with a server rack icon and a right arrow, 'Authentication' with a lock icon and a right arrow, 'Organizations' with a grid icon, 'User Management' with a person icon and a right arrow, and 'Branding' with a pencil icon and a right arrow. The main content area on the right is partially visible, showing the text 'A f', 'On', and 'Tell us'.

wai-demo
Development

- ⚡ Getting Started
- 📈 Activity **EARLY**
- 🗄 Applications >
- 🔒 Authentication >
- 🗃 Organizations
- 👤 User Management >
- ✍ Branding >

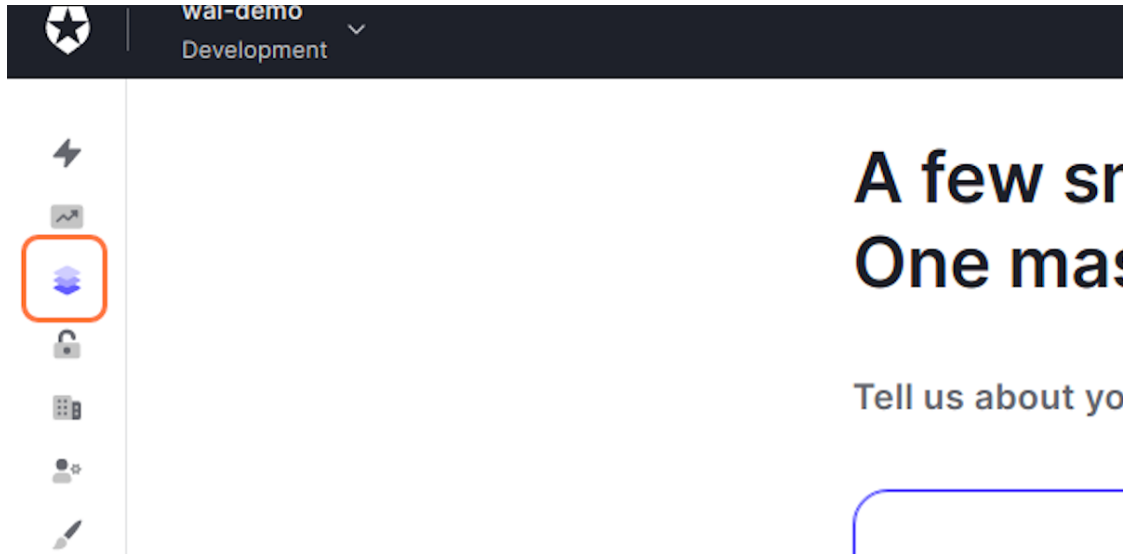
A f
On
Tell us

Create Application

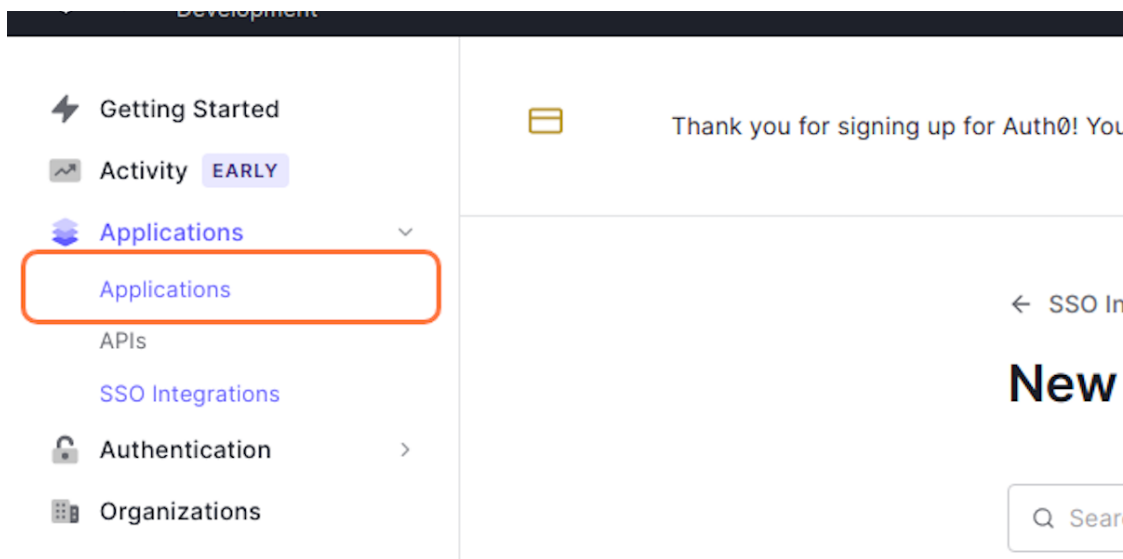
To run this site, 2 types of applications are required for the authorization and authentication process. The first application is the Single Page Application (SPA) type authentication which needed by The JavaScript frontend to authenticate. The second application is for verifying the token that has been created by the frontend which will be used for the process of authorizing access to all the Backend endpoints (API)

Create New SPA Application

1. Click the 3rd icon in the right corner



2. Click Applications



3. Click Create Application

ie Free plan. Like what you're seeing? Please enter your [billing information here](#).

[View Pl](#)

+ Create Application

.9P1t



4. Fill the name field then Click Create

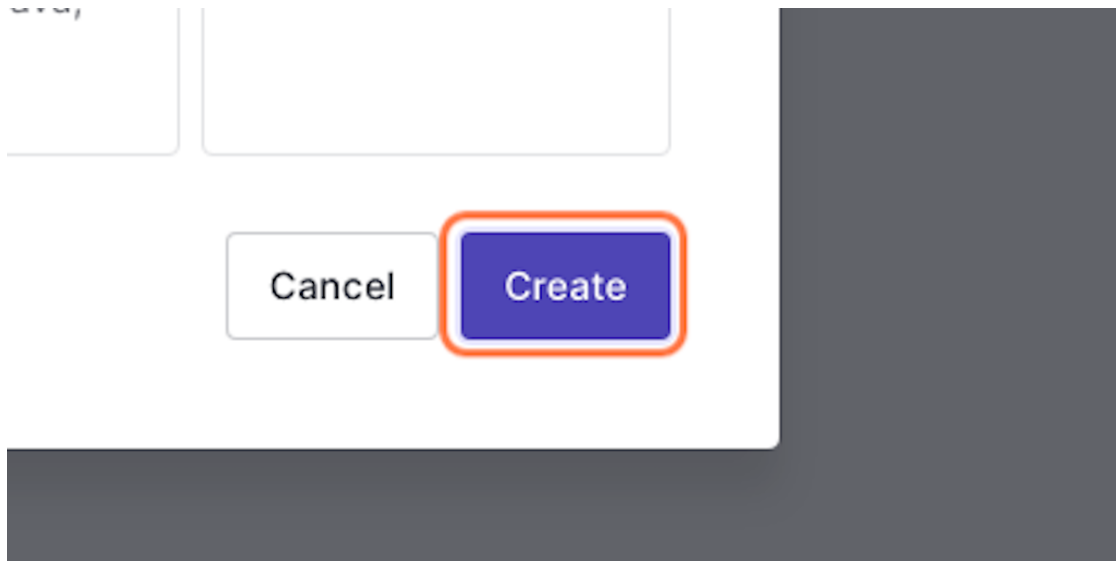
g for Auth0! You have 22 days left in your trial to experiment with [features that are not in the Free plan](#). Like what you're

Create application ×

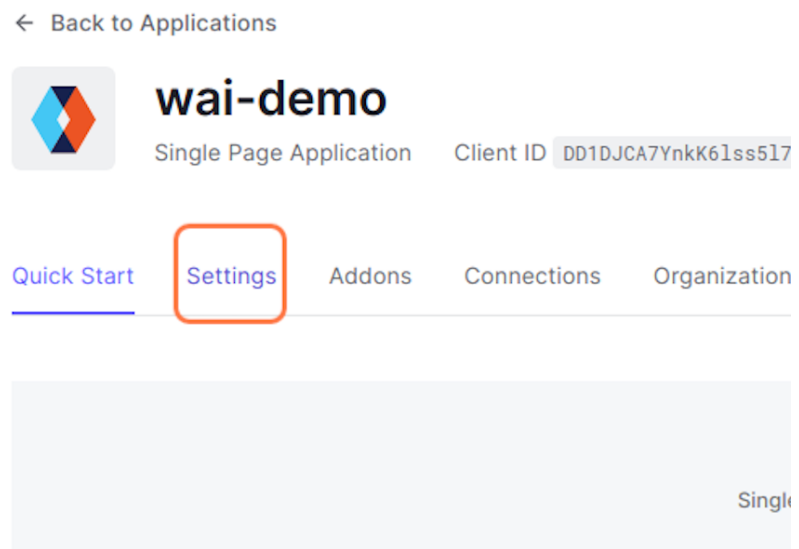
Name *

You can change the application name later in the application settings.

Choose an application type




5. Select Settings Tab



6. Add application logo

Application Logo



 <https://wai-ethiopia.akvotest.org/wai-logo.png>

The URL of the logo to display for the application, if none is set the default badge for this type of application will be shown. Recommended size is 150x150 pixels.

Note: This application has pre-defined logo, the url of image is available in your installation once this up is up and running in your domain. (eg. <https://your-domain.com/wai-logo.png>)

7. Change your-domain.com with your app-domain for all the field below

In some scenarios, Auth0 will need to redirect to your application's login page. This URI needs to point to a route in your application that should redirect to your tenant's `/authorize` endpoint. [Learn more](#)

Allowed Callback URLs

<https://your-domain.org>, <http://localhost>



After the user authenticates we will only call back to any of these URLs. You can specify multiple valid URLs by comma-separating them (typically to handle different environments like QA or testing). Make sure to specify the protocol (`https://`) otherwise the callback may fail in some cases. With the exception of custom URI schemes for native clients, all callbacks should use protocol `https://` . You can use [Organization URL](#) parameters in these URLs.

different environments like QA or testing). Make sure to specify the protocol (`https://`) otherwise the callback may fail in some cases. With the exception of custom URI schemes for native clients, all callbacks should use protocol `https://` . You can use [Organization URL](#) parameters in these URLs.

Allowed Logout URLs

`https://your-domain.org, https://your-domain.org/login, http://localhost, http://localhost/login`



A set of URLs that are valid to redirect to after logout from Auth0. After a user logs out from Auth0 you can redirect them with the `returnTo` query parameter. The URL that you use in `returnTo` must be listed here. You can specify multiple valid URLs by comma-separating them. You can use the star symbol as a wildcard for subdomains (`*.google.com`). Query strings and hash information are not taken into account when validating these URLs. Read more

information are not taken into account when validating these URLs. Read more about this at <https://auth0.com/docs/authenticate/login/logout>

Allowed Web Origins

`https://your-domain.org, http://localhost`



Comma-separated list of allowed origins for use with [Cross-Origin Authentication](#), [Device Flow](#), and [web message response mode](#), in the form of `<scheme> "://" <host> [":" <port>]` , such as `https://login.mydomain.com` or `http://localhost:3000` . You can use

`https://login.mydomain.com` or `http://localhost:3000`. You can use wildcards at the subdomain level (e.g.: `https://*.contoso.com`). Query strings and hash information are not taken into account when validating these URLs.

Allowed Origins (CORS)

`https://your-domain.org, http://localhost`



Allowed Origins are URLs that will be allowed to make requests from JavaScript to Auth0 API (typically used with CORS). By default, all your callback URLs will be allowed. This field allows you to enter other origins if you need to. You can specify multiple valid URLs by comma-separating them or one by line, and also use wildcards at the subdomain level (e.g.: `https://*.contoso.com`). Query strings and hash information are not taken into account when validating these

8. Modify the ID Token Expiration

strings and hash information are not taken into account when validating these URLs.. You can use [Organization URL](#) placeholders in these URLs.

ID Token Expiration

86400



seconds

This setting allows you to set the lifetime of the `id_token` (in seconds)

Rotation



9. Click Save Button

ettings

Save Changes

10. Select Connections Tab

plications

vai-demo

ingle Page Application

Client ID DD1DJCA7YnkK6lss5l7sQKreeEN9Urse

Settings

Addons

Connections

Organizations

re sources of users. They are categorized into Database, Social and Enterprise and can be shared amo

rname-Password-Authentication

11. Change below option field with Both

login templates for Login, Password Reset, or MFA, they may override the new Universal Login unless experience with Organizations. [Learn More](#)

ns

What types of end-users will access this application?

Both

This setting allows you to control the type of users that will login to this application.

Display Organization Prompt

☐

12. Click Save Changes

If enabled, Auth0 will prompt users to enter their organization before logging in. If disabled, you need to send them the appropriate Organization Login prompt

Save Changes

Create New Backend Application

1. Click on Create Application

Free plan. Like what you're seeing? Please enter your [billing information here](#).

View Plan

+ Create Application

i17sQKreeEN9Urse







2. Select Machine to Machine Application

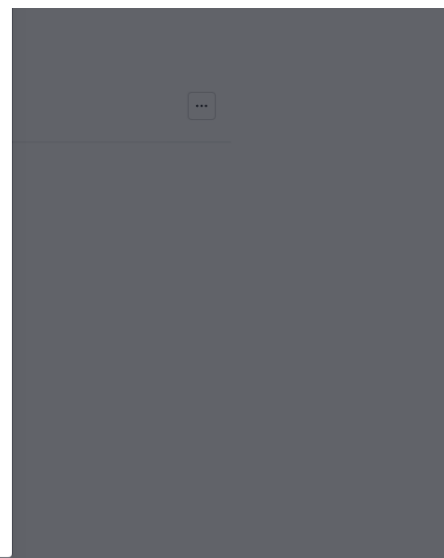
App

can change the application name later in the application settings.

Select an application type

 Native mobile, desktop, CLI and smart device apps running natively. e.g.: iOS, Electron, Apple TV apps	 Single Page Web Applications A JavaScript front-end app that uses an API. e.g.: Angular, React, Vue	 Regular Web Applications Traditional web app using redirects. e.g.: Node.js Express, ASP.NET, Java, PHP	 Machine to Machine Applications CLIs, daemons or services running on your backend. e.g.: Shell script
---	--	--	--

Cancel Create



3. Rename the Application

g for Auth0! You have 19 days left in your trial to experiment with features that are not in the Free plan. Like what you're





Create application ×

Name *



Backend

You can change the application name later in the application settings.

Choose an application type



4. Click on Create




Cancel Create

5. Click on option

Once you click create button, there will be a popup with dropdown selector to authorize this application. Please select **Auth0 Management API**

Authorize Machine to Machine Application ×

Machine to Machine Applications require at least one authorized API. Please select an API you want to authorize for invocation from your application.

 **Auth0 Management API**
https://wai-demo.eu.auth0.com/api/v2/

Back Authorize

6. Authorize All the Permissions

Machine to Machine Applications require at least one authorized API. Please select an API you authorize for invocation from your application.

Auth0 Management API

Permissions

Select: **All** None

☐ read:client_grants

☐ create:client_grants

☐ delete:client_grants

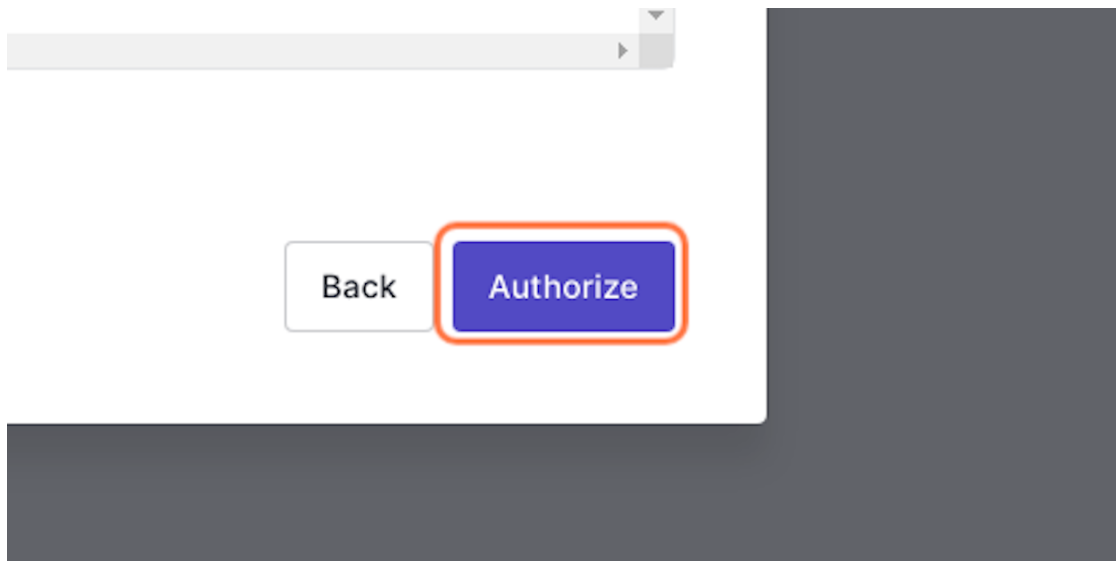
☐ update:client_grants

☐ read:users

☐ update:users

☐ delete:users

7. Click on Authorize



8. Click on Settings

← Back to Applications



Backend

Machine to Machine

Client ID xWXR0QAwDu1J05JlG1hIEz

Quick Start

Settings

APIs

A Machine to Machine Application represents a program that interacts with a script that would be granted access to consume a Zip Codes API. It's a

You can customize this documentation to any of your authorized APIs. [1](#)

9. Change your-domain.com with your app-domain for all the field below

In some scenarios, Auth0 will need to redirect to your application's login page. This URI needs to point to a route in your application that should redirect to your tenant's `/authorize` endpoint. [Learn more](#)

Allowed Callback URLs

`https://your-domain.org, http://localhost`



After the user authenticates we will only call back to any of these URLs. You can specify multiple valid URLs by comma-separating them (typically to handle different environments like QA or testing). Make sure to specify the protocol (`https://`) otherwise the callback may fail in some cases. With the exception of custom URI schemes for native clients, all callbacks should use protocol `https://`. You can use [Organization URL](#) parameters in these URLs.

different environments like QA or testing). Make sure to specify the protocol (`https://`) otherwise the callback may fail in some cases. With the exception of custom URI schemes for native clients, all callbacks should use protocol `https://`. You can use [Organization URL](#) parameters in these URLs.

Allowed Logout URLs

`https://your-domain.org, https://your-domain.org/login, http://localhost, http://localhost/login`



A set of URLs that are valid to redirect to after logout from Auth0. After a user logs out from Auth0 you can redirect them with the `returnTo` query parameter. The URL that you use in `returnTo` must be listed here. You can specify multiple valid URLs by comma-separating them. You can use the star symbol as a wildcard for subdomains (`*.google.com`). Query strings and hash information are not taken into account when validating these URLs. [Read more](#)

information are not taken into account when validating these URLs. Read more about this at <https://auth0.com/docs/authenticate/login/logout>

Allowed Web Origins

G

Comma-separated list of allowed origins for use with [Cross-Origin Authentication](#), [Device Flow](#), and [web message response mode](#), in the form of `<scheme> "://" <host> [":" <port>]`, such as `https://login.mydomain.com` or `http://localhost:3000`. You can use

`https://login.mydomain.com` or `http://localhost:3000`. You can use wildcards at the subdomain level (e.g.: `https://*.contoso.com`). Query strings and hash information are not taken into account when validating these URLs.

Allowed Origins (CORS)

G

Allowed Origins are URLs that will be allowed to make requests from JavaScript to Auth0 API (typically used with CORS). By default, all your callback URLs will be allowed. This field allows you to enter other origins if you need to. You can specify multiple valid URLs by comma-separating them or one by line, and also use wildcards at the subdomain level (e.g.: `https://*.contoso.com`). Query strings and hash information are not taken into account when validating these

10. Modify the ID Token Expiration

strings and nash information are not taken into account when validating these URLs.. You can use [Organization URL](#) placeholders in these URLs.

ID Token Expiration

 seconds

This setting allows you to set the lifetime of the `id_token` (in seconds)

Rotation

11. Click Save Button

ettings

Save Changes

The Production Tentant

Tenants tagged as Production are granted higher rate limits than tenants tagged as Development or Staging. To ensure Auth0 recognizes your production tenant, be sure to set your production tenant with the **production** flag in the Support Center.

Note: Higher rate limits are applied to public cloud tenants tagged as Production with a paid subscription. See [Auth0 Tenant Policy](#)

1. Click Gear Icons



2. Select Production

are applied to public cloud tenants
tion with a paid subscription. [Learn](#)

☐ **Staging**
The tenant is mainly used by your testing
changes before releasing them to Produ

☒ **Production**
The tenant is pointed to a production ins
users. This environment should be treat
break your application.

Save

3. Click Save



Production

The tenant is pointed to a production instance of users. This environment should be treated as production. Do not break your application.

Save

Installation Settings

Default Audience

<https://vour-default-endpoint/>

[Back to Installation](#)

1.3.4 Mailjet Service

You need to have [MAILJET](#) account to manage the notification deliverability.

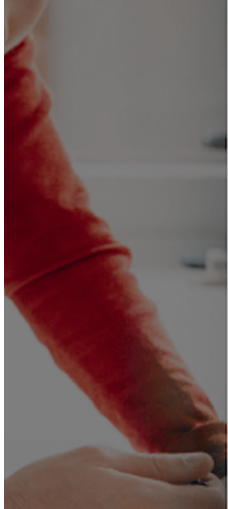
Create Mailjet Account

1. Click on Sign up now!

[Sign in with SSO](#)

Don't have an account yet? [Sign up now!](#)

Need help? [Contact us](#)



Email

tech.consultancy@akvo.org

Password

..... STRONG ☐ Show

Min. 8 characters, 1 letter, 1 number and 1 special character

Sign up!

By clicking the "Sign up!" button, I expressly agree to

2. Click on Next

Industry

ther

Subscribe to the Mailjet newsletter to receive emailing tips once a week. You can unsubscribe at any time.

← Back **Next →**

3. Click on Complete order then check your email for verification

Accounts without a credit card are restricted to our Free plan, which only allow you to send 6,000 emails per month with the limit of 200 emails per day.

← Back

Complete order →

Free

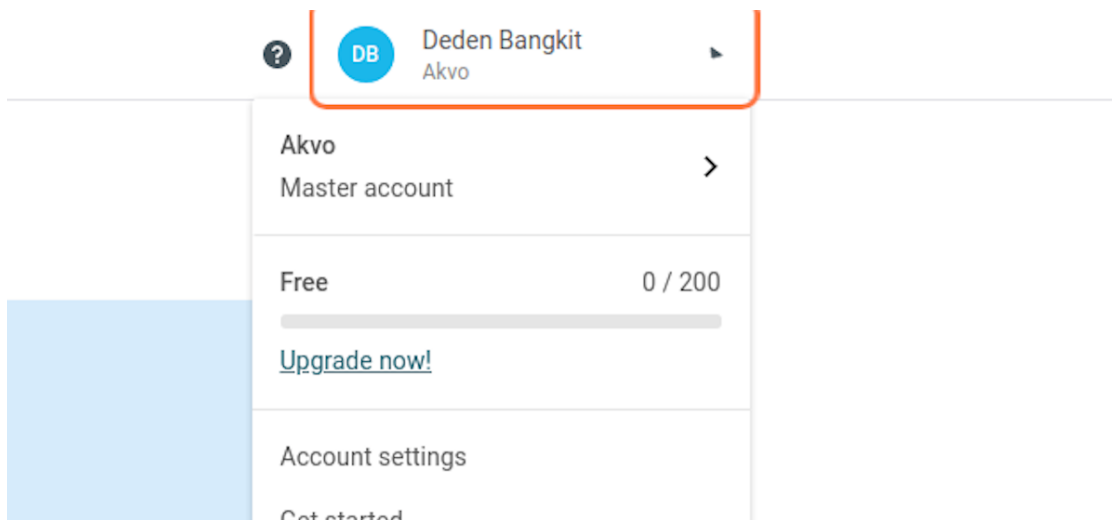
6 000 emails/mo
200 emails per day

> [Change plan](#)

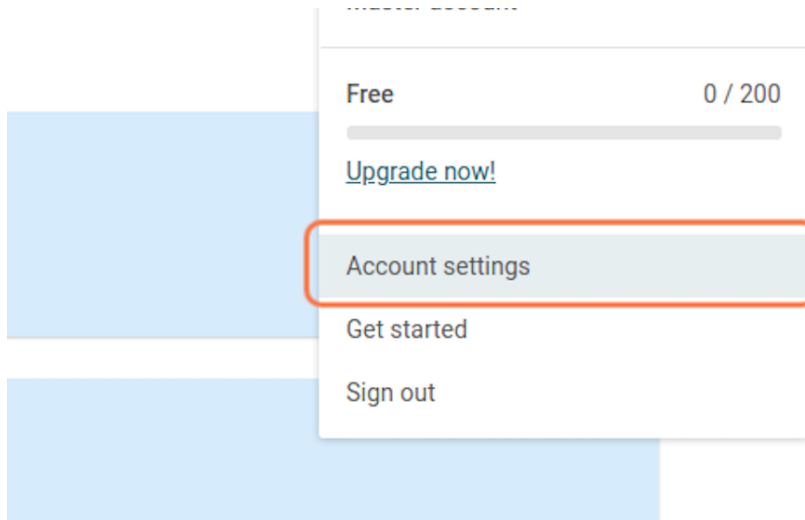
Today's total

Generating API Key

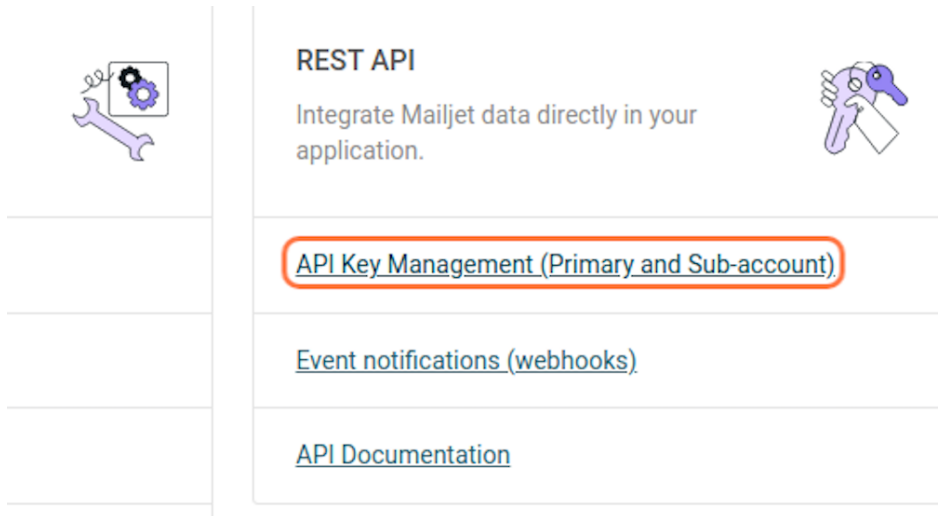
1. Click Account Dropdown



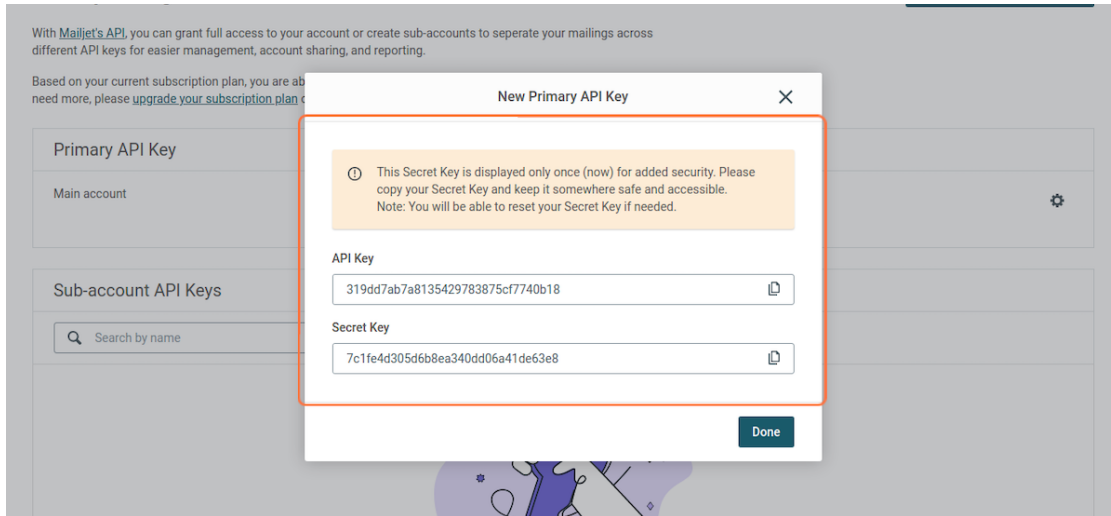
2. Click on Account settings



3. Click on API Key Management



4. Click on Generate Secret Key



1.4 Installation

1.4.1 Clone the Repository

```
git clone https://github.com/akvo/wai-sdg-portal.git
```

1.4.2 Environment Variable Setup

Install text editor to be able to edit `.env` file

```
sudo apt install nano
```

or

```
sudo apt install vim
```

Go to the repository directory, then edit the environment

```
cd wai-sdg-portal/deploy
vim .env
```

Example Environemnt:

```
POSTGRES_PASSWORD=postgres
WAI_DB_USER=yourname
WAI_DB_PASSWORD=sUpErSTr0ngPa**word
INSTANCE_NAME=wai-demo
AUTH0_DOMAIN=your-domain.eu.auth0.com
AUTH0_CLIENT_ID=acad34xxxxxxxx
AUTH0_SECRET=938xxxxxxxxxxx
AUTH0_AUDIENCE=cdary8xxxxxxxx
```

(continues on next page)

(continued from previous page)

```

AUTH0_SPA_DOMAIN=5a2axxxxxxxxxx
AUTH0_SPA_CLIENT_ID=b821y8xxxxxxxx
STORAGE_LOCATION=/data/storage
MAILJET_SECRET=093asbalxxxxxxxx
MAILJET_APIKEY=9acadlkbxxxxxxxx
WEBDOMAIN=https://your-domain.com

```

Note:

- Use **Domain** and **Client ID** field from your **Auth0 SPA application** for AUTH_SPA_DOMAIN and AUTH_SPA_CLIENT_ID
- Use **Domain**, **Secret** and **Client ID** field from your **Auth0 Backend application** for AUTH_DOMAIN, AUTH_SECRET and AUTH_CLIENT_ID.
- For AUTH0_AUDIENCE, Go to your **Auth0 backend application**, click **APIs** Tab, expand **Auth0 Management API**. Use the **Grant ID** field.

1.4.3 Run the Application

```
./install.sh
```

1.4.4 Post-Installation

Once the app is started, we need to populate the database with the initial data set. The initial dataset are:

- 1st Super Admin
- 1st Organisation
- Administration Levels Data

Run the database seeder:

```
docker compose exec backend ./seed.sh youremail@akvo.org "Your Full Name" "Your ↵
↳ Organisation"
```

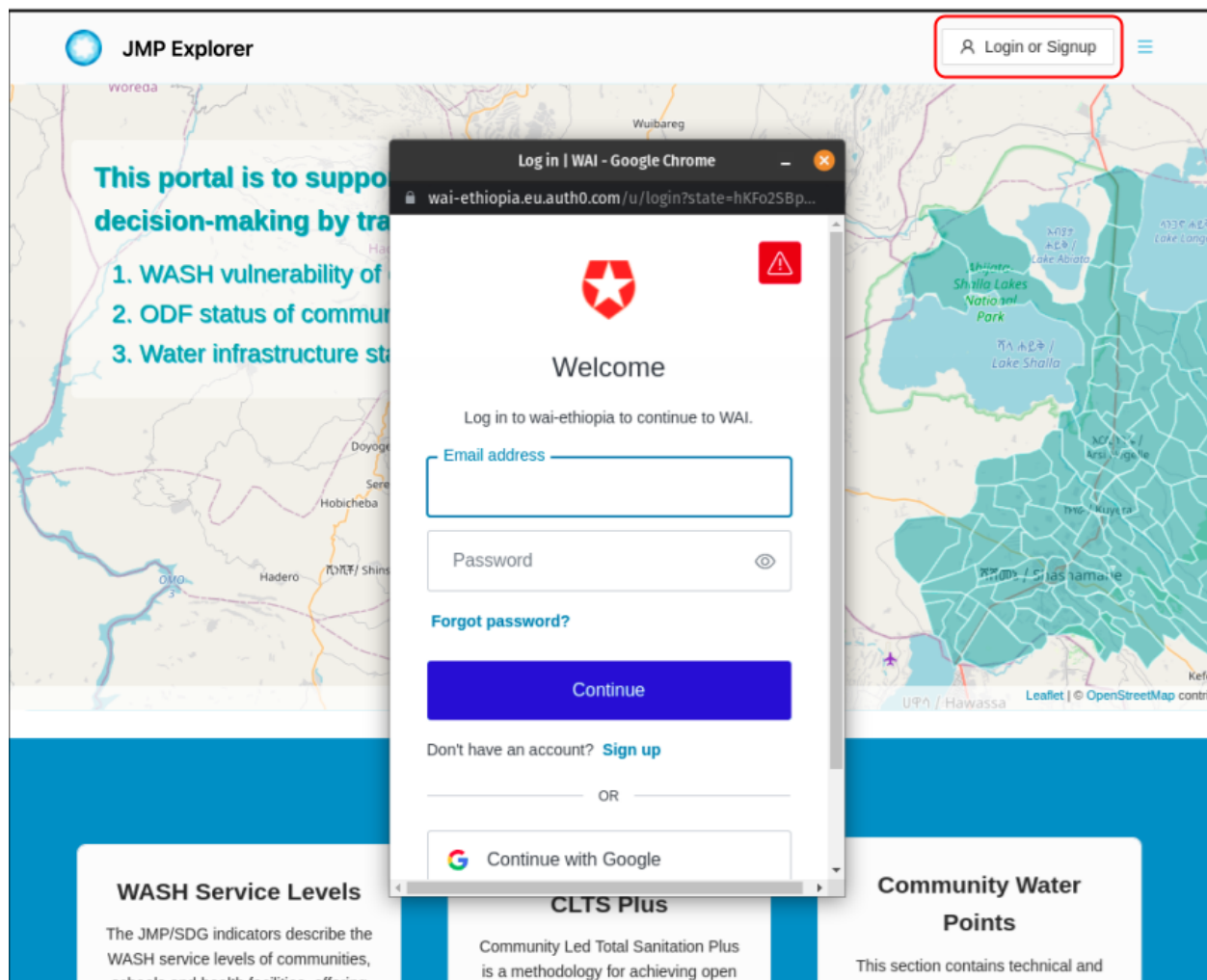
Example:

```
docker compose exec backend ./seed.sh youremail@akvo.org "Your Name" Akvo
```


GETTING STARTED

2.1 Log in

Before, you start looking around and going into deep, please logging in by clicking on the **Login or Signup**.



DATASETS

Take a quick look at the datasets.

Datasets in this Portal

WASH Service Levels

The JMP/SDG indicators describe the WASH service levels of communities, schools and health facilities, offering an approach to rank the vulnerability of these entities. This section helps WASH authorities to prioritize funding and resources to the most vulnerable.

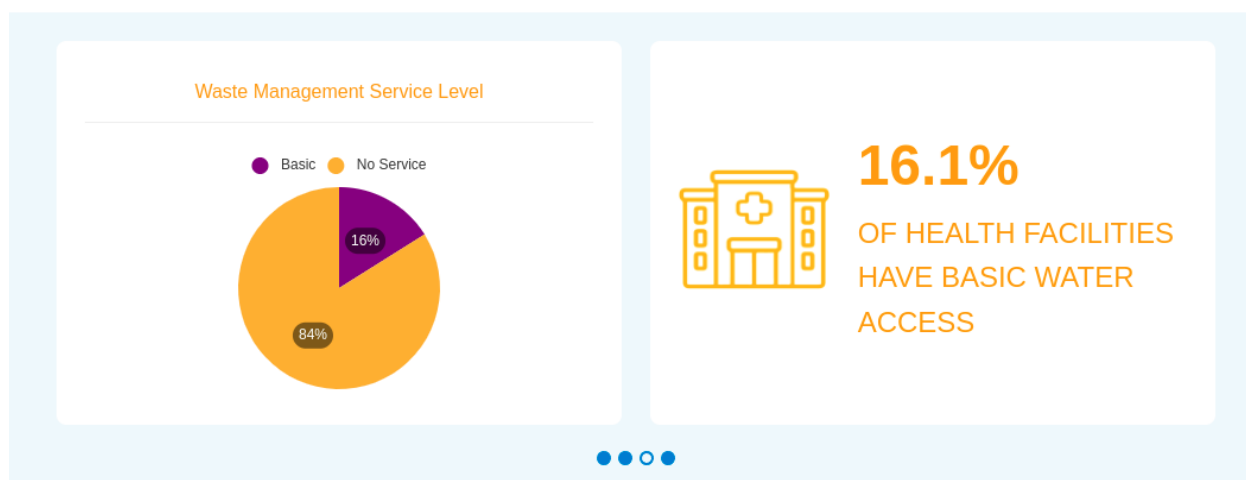
CLTS Plus

Community Led Total Sanitation Plus is a methodology for achieving open defecation free and adequate coverage of sanitation facilities. This section tracks the progress of CLTS implementors.

Community Water Points

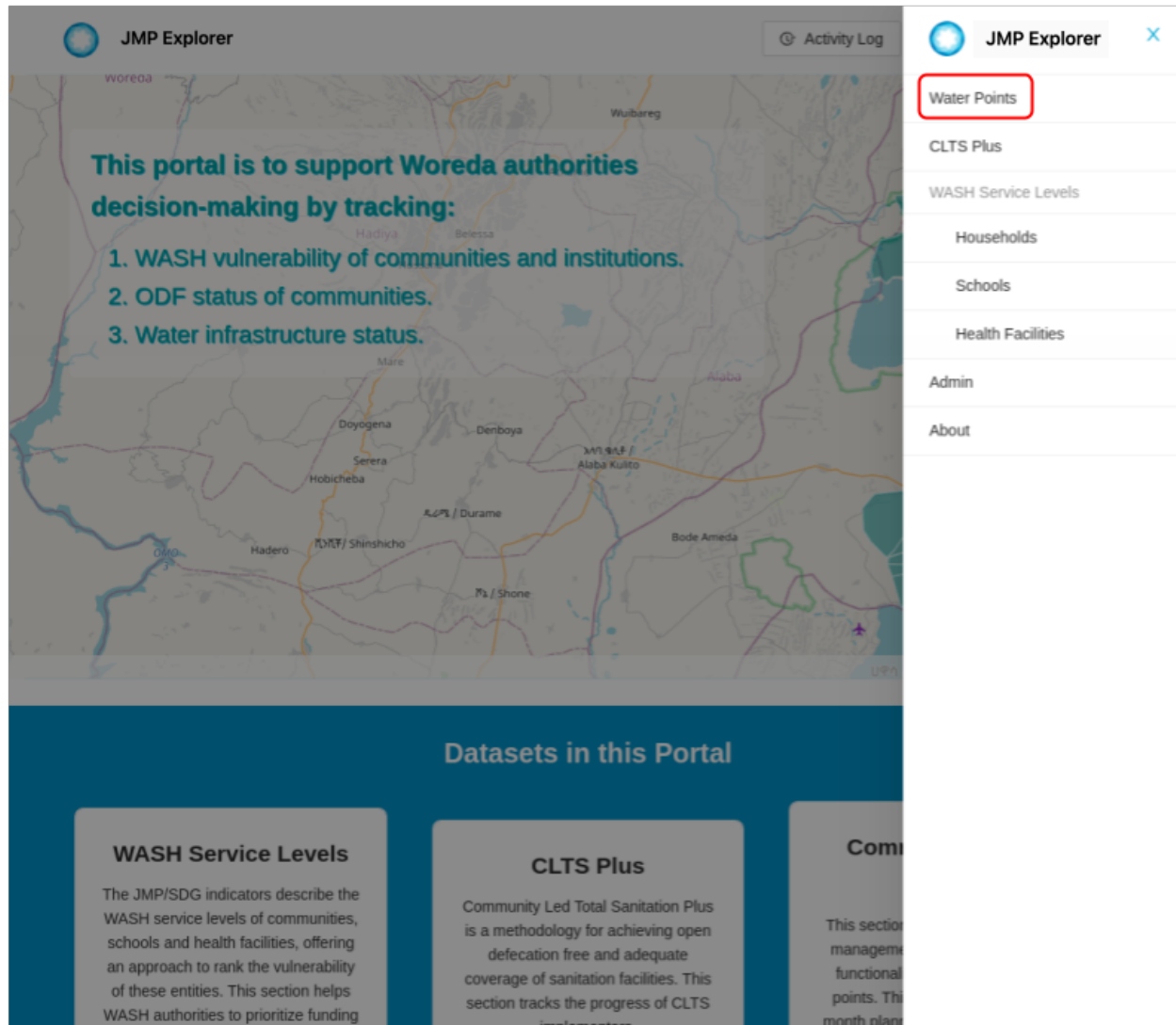
This section contains technical and management data, and tracks the functionality of community water points. This is useful for month to month planning of maintenance and rehabilitation activities.

Overview

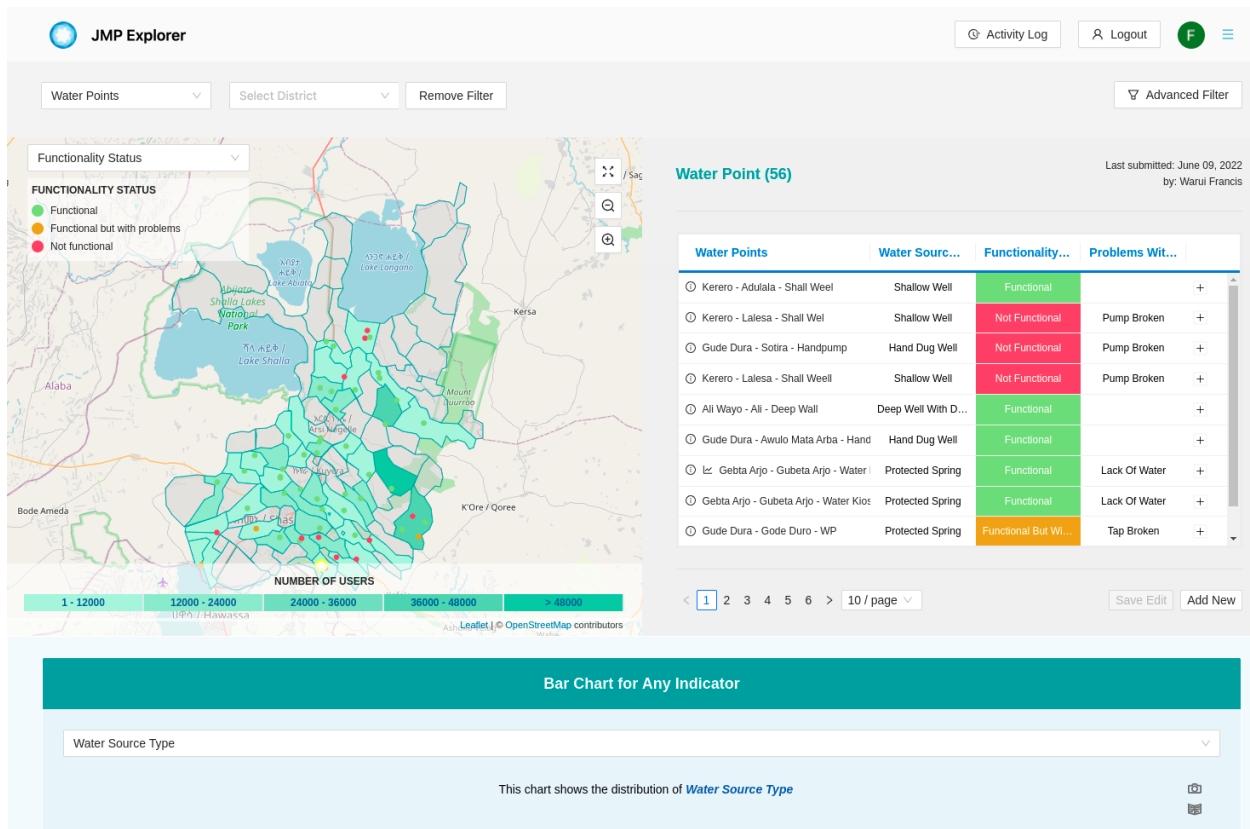


3.1 List of datasets

A list of datasets is shown once you click on the **Menu** button



Each data has multiple questions and question groups.



4.1 Search

4.1.1 Selecting

- Filtering a data point by selecting name, district, sub-district and village
- You reset your search by clicking the **REMOVE FILTER** button.

Households

Select District

Remove Filter

4.1.2 Advanced search

If you wish to search in more advanced way, an **Advanced filter** button is clickable that shows an input select.

Households

Select District

Remove Filter

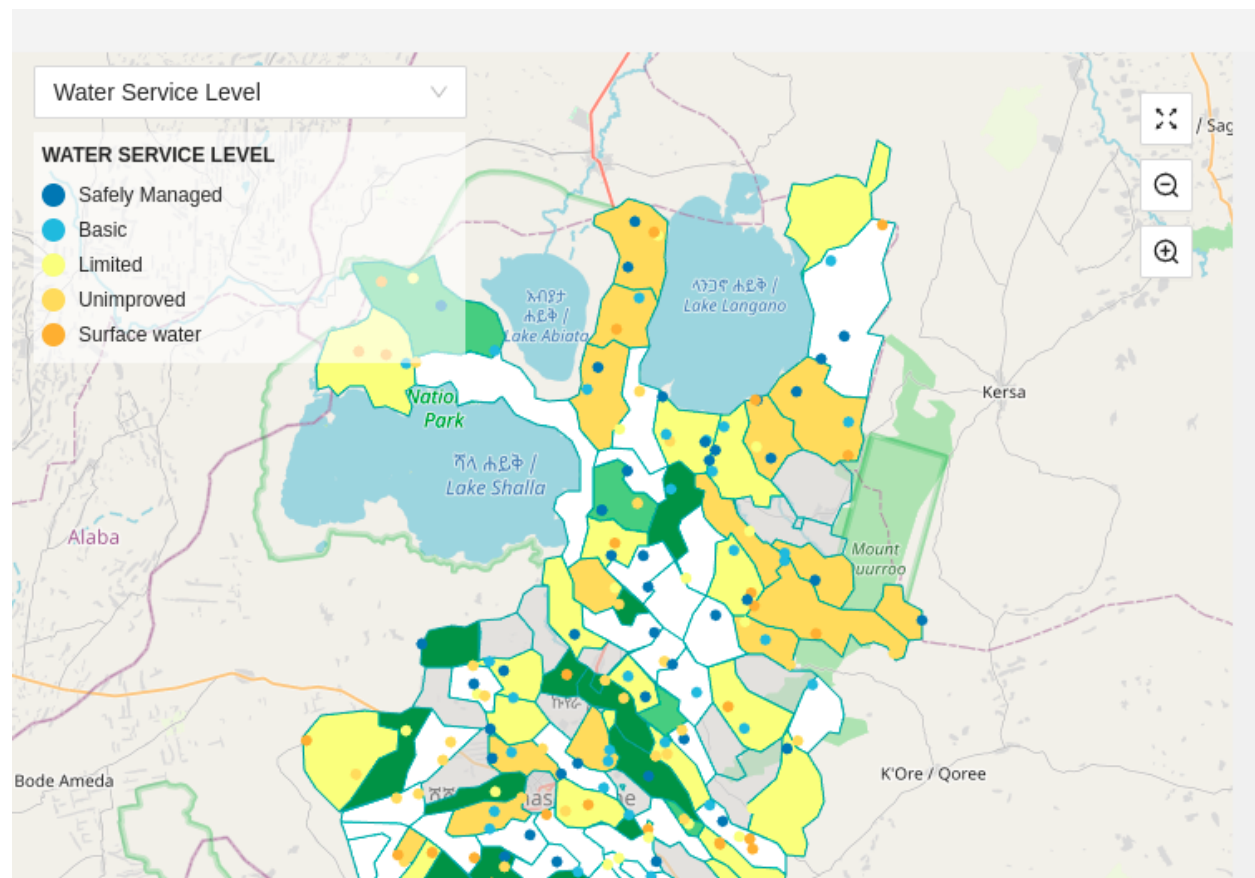
Advanced Filter

Type to search...

divant-rowant-row-top.data- 1491 × 585

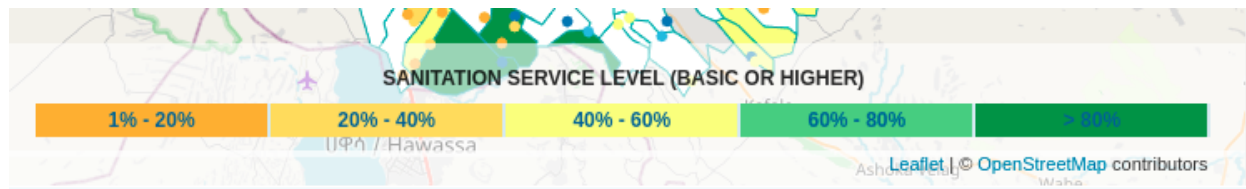
4.2 Maps

- A map is on the page which shows all places, district, sub-district and village from where the data is collected.
- This map can be zoomed out or in



4.2.1 Maps Legend

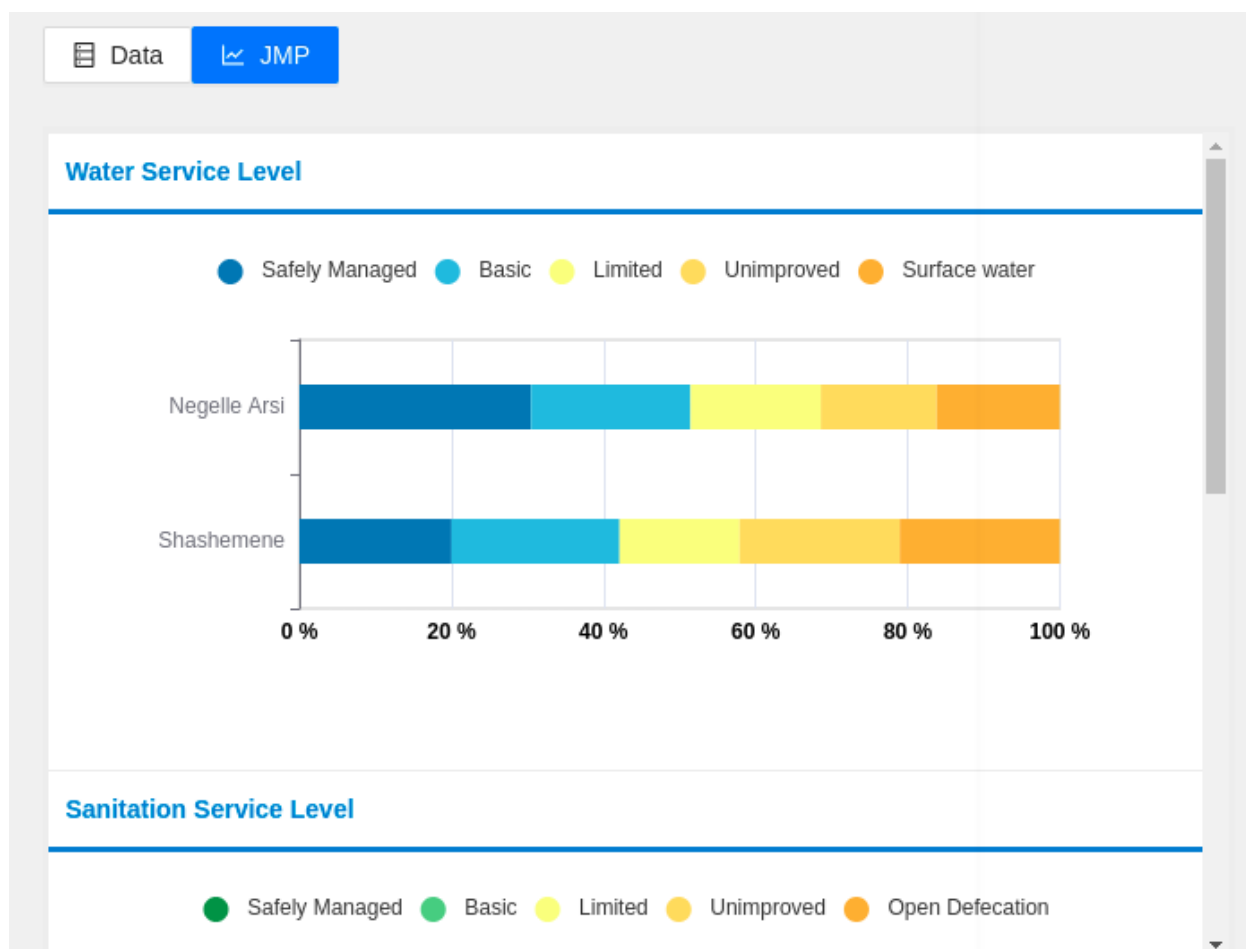
A legend that displays the level of data services is shown on the page under the map.



4.3 Chart data

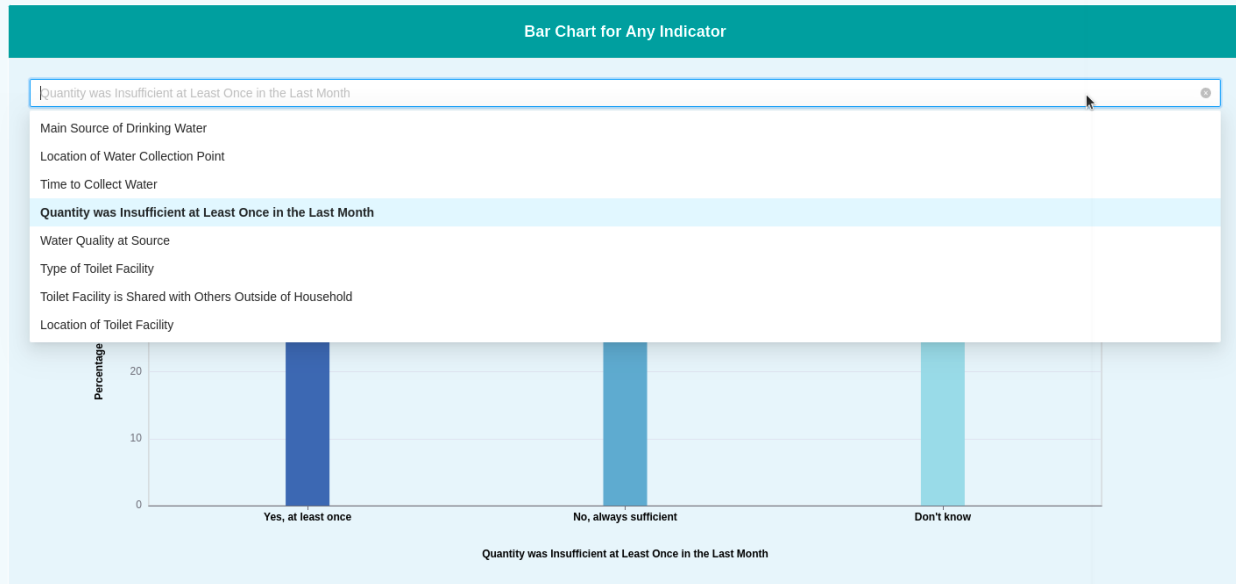
4.3.1 JMP

A chart is also on the page once the **JMP** tab is active



4.3.2 Bar

- A disruption of a question is shown on a **Bar char**. To see this, you have to select a question.
- This bar chart can also be saved as an image by clickin on the **SAVE IMAGE** icon.
- If you would love to see the question value on a table, there is table icon that can be clicked to do so.



Bar Chart for Any Indicator

Quantity was Insufficient at Least Once in the Last Month

Table View

Category	Count	Percentage
Yes, at least once	63	31.50
No, always sufficient	64	32.00
Don't know	73	36.50

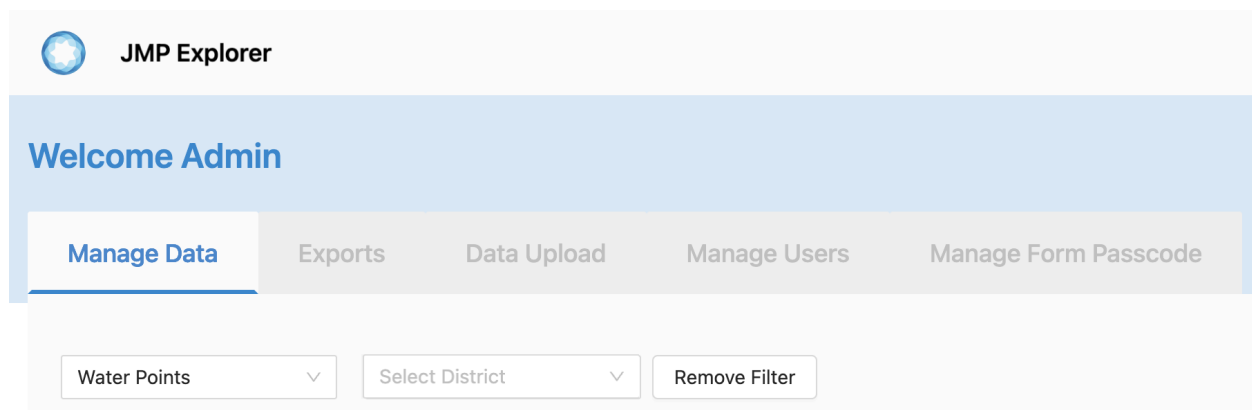
Back

ADMIN PAGE

5.1 Manage data

5.1.1 Filter

Searching data by - data point - District, sub-district and village - You can also reset your filter search.



The screenshot shows the JMP Explorer Admin Page. At the top left is the JMP Explorer logo. Below it is a blue banner with the text "Welcome Admin". Under the banner is a horizontal menu with five items: "Manage Data", "Exports", "Data Upload", "Manage Users", and "Manage Form Passcode". The "Manage Data" item is highlighted with a blue underline. Below the menu is a light gray box containing three elements: a dropdown menu with "Water Points" selected, a dropdown menu with "Select District" selected, and a "Remove Filter" button.

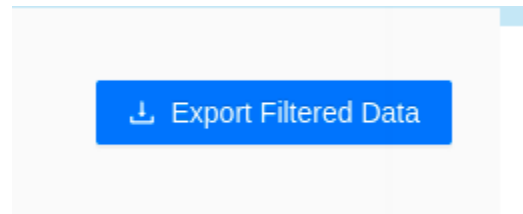
5.1.2 Advanced filter

If you wish to search in a more advanced way, you click on the **ADVANCED FILTER** button.



The screenshot shows the Advanced Filter section. It features a button labeled "Advanced Filter" with a magnifying glass icon. Below the button is a search bar with the placeholder text "Type to search..." and a dropdown arrow on the right.

5.1.3 Export filtered data



5.1.4 List of data

A list of data is on the page as a table which has - data name - Region - Submitter - Last updated - Action

Total: 56 Submissions

Last submitted: June 09, 2022
by: Warui Francis

<input type="checkbox"/> Entry	Region	Submitter	Last Updated	Action	
<input type="checkbox"/> Kerero - Adulala - shall weel	Negelle Arsi - Kerero	Warui Francis	June 09, 2022	✎ Edit	🗑 Delete
<input type="checkbox"/> Kerero - lalesa - shall wel	Negelle Arsi - Kerero	Warui Francis	June 09, 2022	✎ Edit	🗑 Delete
<input type="checkbox"/> Gude Dura - sotira - handpump	Negelle Arsi - Gude Dura	Warui Francis	June 09, 2022	✎ Edit	🗑 Delete
<input type="checkbox"/> Kerero - lalesa - shall weell	Negelle Arsi - Kerero	Warui Francis	June 09, 2022	✎ Edit	🗑 Delete
<input type="checkbox"/> Ali Wayo - Ali - deep wall	Negelle Arsi - Ali Wayo	Warui Francis	June 09, 2022	✎ Edit	🗑 Delete
<input type="checkbox"/> Gude Dura - awulo mata arba - hand pump	Negelle Arsi - Gude Dura	Warui Francis	June 09, 2022	✎ Edit	🗑 Delete
<input type="checkbox"/> Gebta Arjo - Gubeta Arjo - Water Kiosk-2	Negelle Arsi - Gebta Arjo	Warui Francis	May 25, 2022	✎ Edit	🗑 Delete
<input type="checkbox"/> Gebta Arjo - Gubeta Arjo - Water Kiosk-1	Negelle Arsi - Gebta Arjo	Kabeto Abdo	May 25, 2022	✎ Edit	🗑 Delete
<input type="checkbox"/> Gude Dura - Gode Duro - WP	Negelle Arsi - Gude Dura	Kabeto Abdo	May 25, 2022	✎ Edit	🗑 Delete
<input type="checkbox"/> Kelo Tulu - Kelo Tulu - WP-3	Negelle Arsi - Kelo Tulu	Kabeto Abdo	May 25, 2022	✎ Edit	🗑 Delete

<

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2

3

4

5

6

>

10 / page ▾

Save Changes

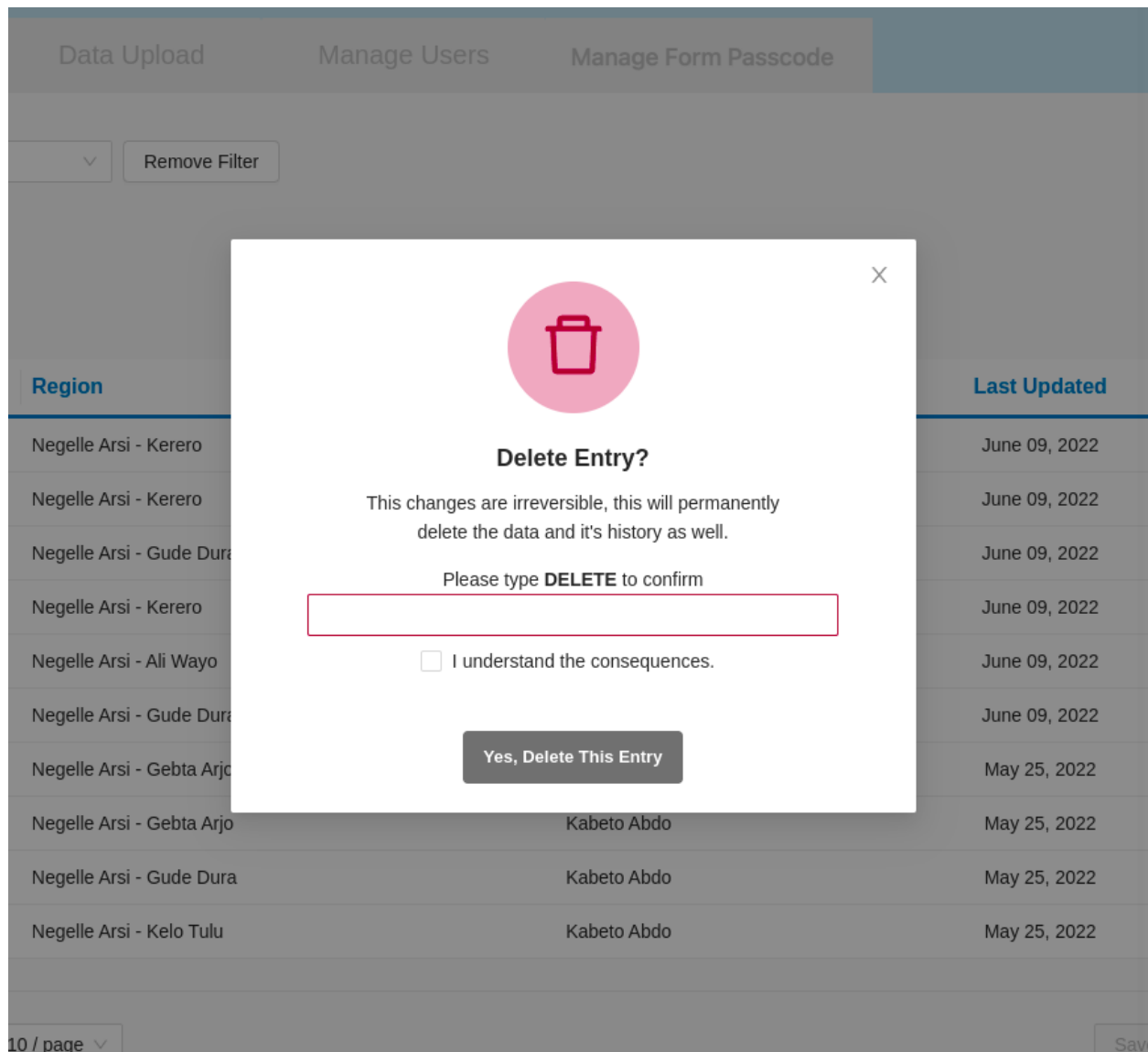
Delete Selected

Add New

5.1.5 Editing data

A data entry can be edited.

A data entry can be deleted.



5.1.7 Add New Data

You also can add a new data entry.

Water System

Submit

FORM OVERVIEW

Location Demographics

Water System Information

Location Demographics

1. location

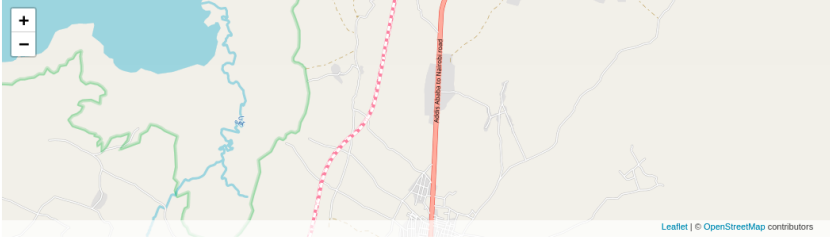
Please select

2. Name of Village

3. GPS Coordinates of Village



Latitude

Longitude



5.2 Export Data

You can see a list of exported data entries that you can download.

Manage Data	Exports	Data Upload	Manage Users	Manage Form Passcode
<div> <div>  <div> <div>download-jmp_core_questions_for_monitoring_wash_in_schools-220915-3e93-495f-9252.xlsx</div> <div>September 15, 2022 at 06:04 AM</div> <div>Filters: None</div> </div> <div>Generating</div> </div> <div>  <div> <div>download-cts-220915-5a65-471d-8d63.xlsx</div> <div>September 15, 2022 at 06:04 AM</div> <div>Filters: None</div> </div> <div>Download</div> </div> </div>				

5.3 Upload Data


You can also upload a new data entry from your **file manager** or download existing data by clicking on the **Download** button.



The screenshot shows the 'JMP Explorer' application interface. At the top, there is a navigation bar with 'Activity Log' and 'Logout' buttons, and a user profile icon. Below this is a 'Welcome Admin' banner. A horizontal menu contains 'Manage Data', 'Exports', 'Data Upload' (which is highlighted), 'Manage Users', and 'Manage Form Passcode'. The main content area is titled 'Data Upload' and contains the following elements:

- A message: 'If you do not already have a template file, please download it'.
- A dropdown menu labeled 'Water Points' and a 'Download' button.
- A section titled 'Upload your data' with a dropdown menu labeled 'Water Points' and another dropdown menu labeled 'Negelle Arsi'.
- A large dashed box containing a file icon (a blue square with a white 'X') and the text: 'Click or drag file to this area to upload'.
- Below the dashed box, it says: 'Supported filetypes: .xls and .xlsx'.

5.4 Manage users

A list of users is displayed on the page with their: - Name - Email - Organisation - Role


JMP Explorer

[Activity Log](#)
[Logout](#)



Welcome Admin


[Manage Data](#)
[Exports](#)
[Data Upload](#)
[Manage Users](#)
[Manage Form Passcode](#)

Show Pending Users ☒

Name	Email		Organisation	Role	
Matthew Morrison	eharrell@morales.com	not verified	Akvo	User	<input checked="" type="button" value="Approve"/>
Meagan Rogers	fthomas@gmail.com	not verified	Akvo	User	<input checked="" type="button" value="Approve"/>
Sean Brown	xtanner@brown.com	not verified	Akvo	User	<input checked="" type="button" value="Approve"/>
Robert Leon	sergiobaker@yahoo.com	not verified	Akvo	User	<input checked="" type="button" value="Approve"/>
Sharon Davis	dharris@oneal.biz	not verified	Akvo	User	<input checked="" type="button" value="Approve"/>
Melanie Ellis	dkelley@hotmail.com	not verified	Akvo	User	<input checked="" type="button" value="Approve"/>
Brittany Cruz	sophiarobinson@yahoo.com	not verified	Akvo	User	<input checked="" type="button" value="Approve"/>
Joshua Woods	gentryamanda@garcia-perkins.org	not verified	Akvo	User	<input checked="" type="button" value="Approve"/>
Daniel Moore	orobinson@hotmail.com	not verified	Akvo	User	<input checked="" type="button" value="Approve"/>
David Mitchell	thomaskramer@hotmail.com	not verified	Akvo	User	<input checked="" type="button" value="Approve"/>

5.5 Manage form passcode

A list of form that accessible via URL and is displayed on the page with the following columns: - Form name - URL - Passcode (The text field is encrypted by default)

 JMP Explorer

Activity LogLogout

Welcome Admin


Manage DataExportsData UploadManage UsersManage Form Passcode

Form Name	URL	Passcode
JMP Core Questions for Monitoring WASH in Healthcare Facilities	https://wai-ethiopia.akvotest.org/webform?id=He	.... Edit Passcode
JMP Core Questions for Monitoring WASH in Schools	https://wai-ethiopia.akvotest.org/webform?id=DrC	.... Edit Passcode
JMP Core Questions for Monitoring WASH in Households	https://wai-ethiopia.akvotest.org/webform?id=CxI	.... Edit Passcode
CLTS	https://wai-ethiopia.akvotest.org/webform?id=Tg	.... Edit Passcode
Water System	https://wai-ethiopia.akvotest.org/webform?id=Hul Edit Passcode

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5.5.1 Copy URL











The URL field has a copy functionality to get URL easily

 JMP Explorer

Activity LogLogout

Welcome Admin

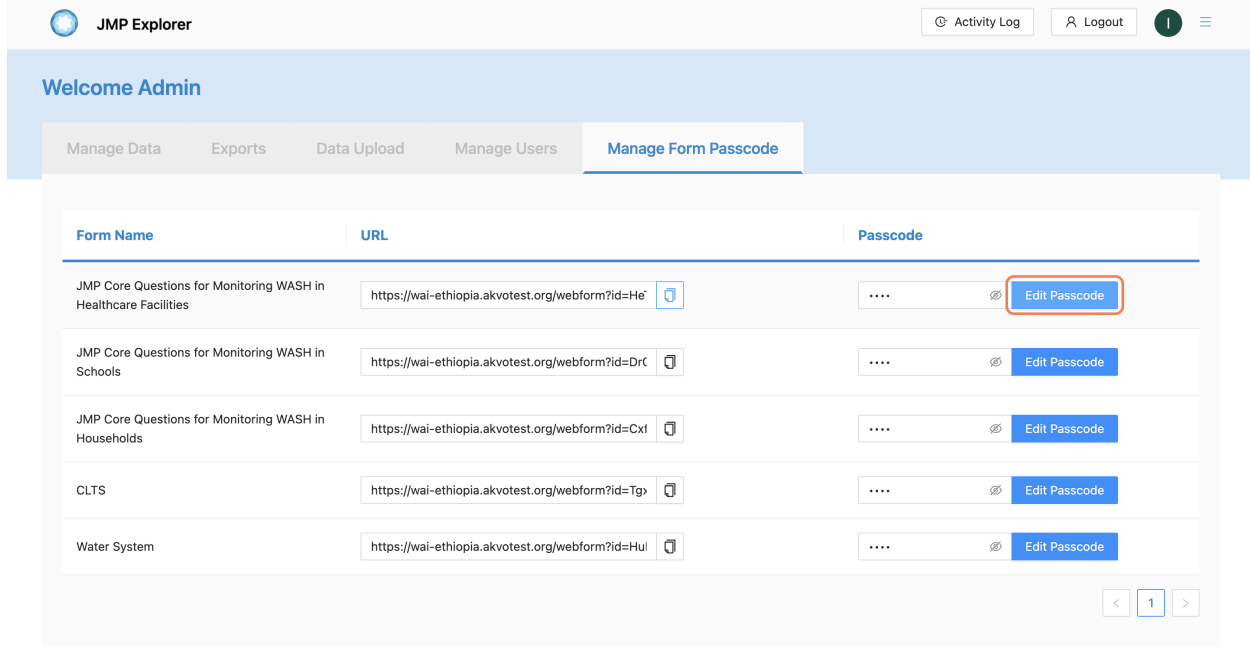
Manage DataExportsData UploadManage UsersManage Form Passcode

Form Name	URL	Passcode
JMP Core Questions for Monitoring WASH in Healthcare Facilities	https://wai-ethiopia.akvotest.org/webform?id=He	.... Edit Passcode
JMP Core Questions for Monitoring WASH in Schools	https://wai-ethiopia.akvotest.org/webform?id=Drc	.... Edit Passcode
JMP Core Questions for Monitoring WASH in Households	https://wai-ethiopia.akvotest.org/webform?id=Cxt	.... Edit Passcode
CLTS	https://wai-ethiopia.akvotest.org/webform?id=Tg	.... Edit Passcode
Water System	https://wai-ethiopia.akvotest.org/webform?id=Hul	.... Edit Passcode

<1>

5.5.2 Edit Passcode

You can edit text field by clicking the **Edit passcode** button



JMP Explorer Activity Log Logout

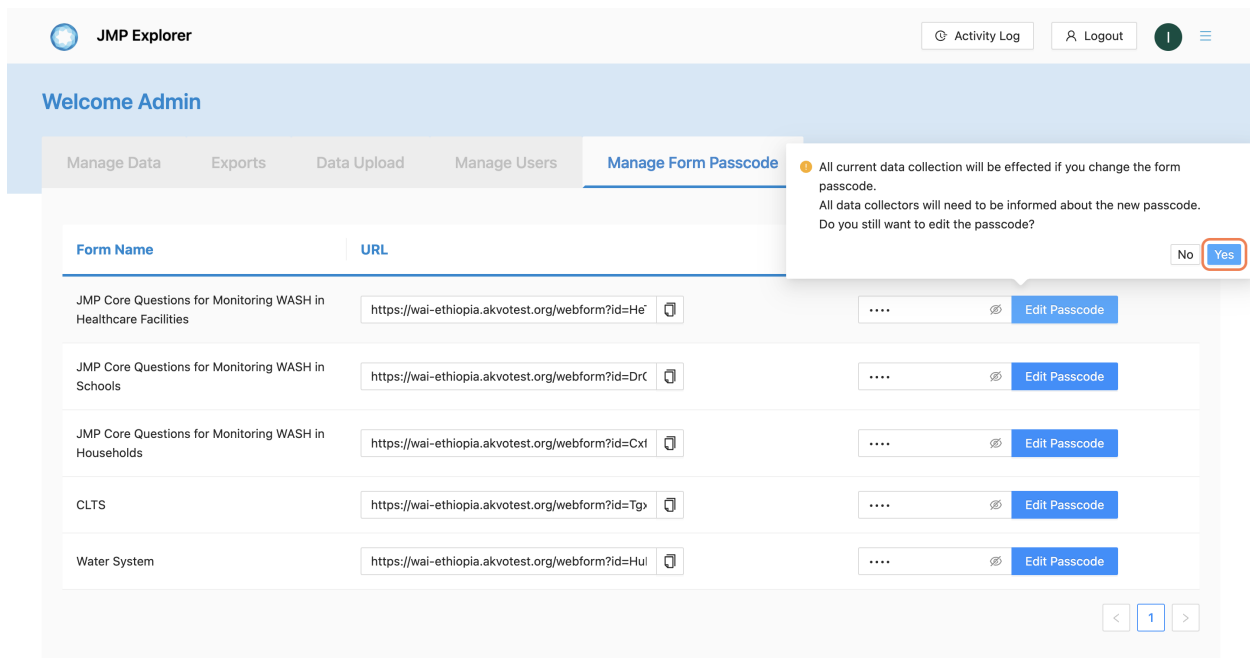
Welcome Admin

Manage Data Exports Data Upload Manage Users **Manage Form Passcode**

Form Name	URL	Passcode
JMP Core Questions for Monitoring WASH in Healthcare Facilities	https://wai-ethiopia.akvotest.org/webform?id=He	.... Edit Passcode
JMP Core Questions for Monitoring WASH in Schools	https://wai-ethiopia.akvotest.org/webform?id=DrC	.... Edit Passcode
JMP Core Questions for Monitoring WASH in Households	https://wai-ethiopia.akvotest.org/webform?id=CxI	.... Edit Passcode
CLTS	https://wai-ethiopia.akvotest.org/webform?id=Tg	.... Edit Passcode
Water System	https://wai-ethiopia.akvotest.org/webform?id=Hul Edit Passcode

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Once edit is clicked, a warning pop-up will appear to confirm the user



JMP Explorer Activity Log Logout

Welcome Admin

Manage Data Exports Data Upload Manage Users **Manage Form Passcode**

All current data collection will be effected if you change the form passcode.
 All data collectors will need to be informed about the new passcode.
 Do you still want to edit the passcode?

No **Yes**

Form Name	URL	Passcode
JMP Core Questions for Monitoring WASH in Healthcare Facilities	https://wai-ethiopia.akvotest.org/webform?id=He	.... Edit Passcode
JMP Core Questions for Monitoring WASH in Schools	https://wai-ethiopia.akvotest.org/webform?id=DrC	.... Edit Passcode
JMP Core Questions for Monitoring WASH in Households	https://wai-ethiopia.akvotest.org/webform?id=CxI	.... Edit Passcode
CLTS	https://wai-ethiopia.akvotest.org/webform?id=Tg	.... Edit Passcode
Water System	https://wai-ethiopia.akvotest.org/webform?id=Hul	.... Edit Passcode

< 1 >

If you select yes, then the text field can be filled in with the new passcode. Otherwise, the text field will return readonly.

JMP Explorer Activity Log Logout 1

Welcome Admin

Manage Data Exports Data Upload Manage Users **Manage Form Passcode**

Form Name	URL	Passcode
JMP Core Questions for Monitoring WASH in Healthcare Facilities	https://wai-ethiopia.akvotest.org/webform?id=He	..... Edit Save X
JMP Core Questions for Monitoring WASH in Schools	https://wai-ethiopia.akvotest.org/webform?id=DrC	..... Edit Edit Passcode
JMP Core Questions for Monitoring WASH in Households	https://wai-ethiopia.akvotest.org/webform?id=CxI	..... Edit Edit Passcode
CLTS	https://wai-ethiopia.akvotest.org/webform?id=Tg	..... Edit Edit Passcode
Water System	https://wai-ethiopia.akvotest.org/webform?id=Hul	..... Edit Edit Passcode

< 1 >

Click the save button to save the passcode you just created

JMP Explorer Activity Log Logout 1

Welcome Admin

Manage Data Exports Data Upload Manage Users **Manage Form Passcode**

Form Name	URL	Passcode
JMP Core Questions for Monitoring WASH in Healthcare Facilities	https://wai-ethiopia.akvotest.org/webform?id=He	..... Edit Save X
JMP Core Questions for Monitoring WASH in Schools	https://wai-ethiopia.akvotest.org/webform?id=DrC	..... Edit Edit Passcode
JMP Core Questions for Monitoring WASH in Households	https://wai-ethiopia.akvotest.org/webform?id=CxI	..... Edit Edit Passcode
CLTS	https://wai-ethiopia.akvotest.org/webform?id=Tg	..... Edit Edit Passcode
Water System	https://wai-ethiopia.akvotest.org/webform?id=Hul Edit Edit Passcode

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DEVELOPMENT INSTALLATION

6.1 Environment Setup

```
export WAI_AUTH0_DOMAIN="string_url"  
export WAI_AUTH0_CLIENT_ID="string"  
export WAI_AUTH0_SECRET="string"  
export WAI_AUTH0_AUDIENCE="string"  
export WAI_AUTH0_SECRET="string"  
export WAI_AUTH0_SPA_DOMAIN="string_url"  
export WAI_AUTH0_SPA_CLIENT_ID="string"  
export INSTANCE_NAME="wai-demo"
```

6.2 Start the App

Once you have all the required environment ready, then run the App using:

- Run the application

```
export INSTANCE_NAME=<project-name>  
docker compose up -d
```

- Stop

```
docker compose down
```

- Reset the app

```
docker compose down -v
```


DATABASE SEEDER

7.1 Config Requirements

Before you seed the baseline data, please make sure that you have all the required file in the following structure:

Folder Path: */backend/source/*

```
/backend/source.  
├── project-name  
│   ├── config.js  
│   ├── config.min.js  
│   ├── data  
│   │   └── organisation.csv  
│   ├── forms  
│   │   ├── 01-clts.json  
│   │   ├── 02-health.json  
│   │   ├── 03-hh.json  
│   │   ├── 04-school.json  
│   │   └── 05-wp.json  
└── topojson.js
```

7.1.1 config.json

config.min.js is pre-generated file to merge visualisation *config.js*, *topojson.js* and menu.

```
MINJS = jsmin('".join([  
  "var levels=" + str([g["alias"] for g in GEO_CONFIG]) + ";"  
  "var map_config={shapeLevels:" + str([g["name"]  
                                          for g in GEO_CONFIG]) + "};",  
  "var topojson=",  
  open(f"{SOURCE_PATH}/topojson.json").read(),  
  ";", JS_FILE, JS_i18n_FILE  
]))  
JS_FILE = f"{SOURCE_PATH}/config.min.js"  
open(JS_FILE, 'w').write(MINJS)
```

7.1.2 forms.json

*.json files inside forms folder is the form definition of a questionnaire which contains detail of forms including question group setting and question definition.

Example:

```
{
  "form": "JMP Core Questions for Monitoring WASH in Households",
  "id": 567420165,
  "question_groups": [
    {
      "question_group": "Location Demographics",
      "questions": [
        {
          "question": "location",
          "order": 1,
          "required": true,
          "type": "administration",
          "meta": true
        },
        {
          "id": 554110154,
          "question": "Village",
          "order": 3,
          "meta": true,
          "type": "text",
          "required": true,
          "options": null
        },
        {
          "id": 554110155,
          "question": "GPS Coordinates of Household",
          "order": 4,
          "meta": true,
          "type": "geo",
          "required": true,
          "options": null
        }
      ]
    }
  ]
}
```


7.2 Seeder CLI

7.2.1 Administration Level Seeder

```
docker compose exec backend python -m seeder.administration
```

7.2.2 Organisation Seeder

```
docker compose exec backend python -m seeder.organisation
```

7.2.3 Super Admin

```
docker compose exec backend python -m seeder.admin youremail@akvo.org "Your Name" Akvo
```

7.2.4 Form Seeder

```
docker compose exec backend python -m seeder.form
```

7.2.5 Seed Fake User

```
docker compose exec backend python -m seeder.fake_user <number_of_user> Akvo
```

7.2.6 Datapoint Seeder

```
docker compose exec backend python -m seeder.fake_datapoint youremail@akvo.org <number_
↳ of_datapoints>
```


JMP LOGIC IMPLEMENTATION

JMP Logic implementation has been done by the AkvoResponseGrouper¹ library and we just need to create a category.json inside the source folder and place it in a specific instance.

For example, if we want to implement JMP logic on the Ethiopia instance, then category.json should be created on

```
backend
├── source
│   ├── wai-ethiopia
│       └── category.json
```

8.1 Properties

This section contains the properties that will be used in configuring the JMP logic in category.json.

8.1.1 Criteria's fields

Field	Type	Description
name	String	Criteria name
form	Integer	Existing form ID in database
categories	Array of category	List of categories

8.1.2 Category's fields

Field	Type	Description
name	String	Category name
questions	Array of question including the logic	List of existing questions and their logic

¹ AkvoResponseGrouper: <https://pypi.org/project/AkvoResponseGrouper/>

8.1.3 Question & logic's fields

Field	Type	Re-quired	Description
id	Integer	Yes	Existing question ID in database.
text	String	No	Question description.
op-tions	Array of string	Yes	Set list of options that will have intersections with the answer to the ques-tion.
other	Array of other	No	Another set of lists of options that don't have intersections in the <i>options</i> .
else	Object of <i>else</i>	No	Set category that has no intersections, either in <i>options</i> or <i>other</i> .

8.1.4 Other's fields

Field	Type	Re-quired	Description
name	String	Yes	Category name
options	Array of string	Yes	Set list of options that will have intersections with the answer to the question
ques-tions	Array of <i>ques-tion</i>	Yes	List of existing questions and their logic and can be set empty of Array <code>[]</code>

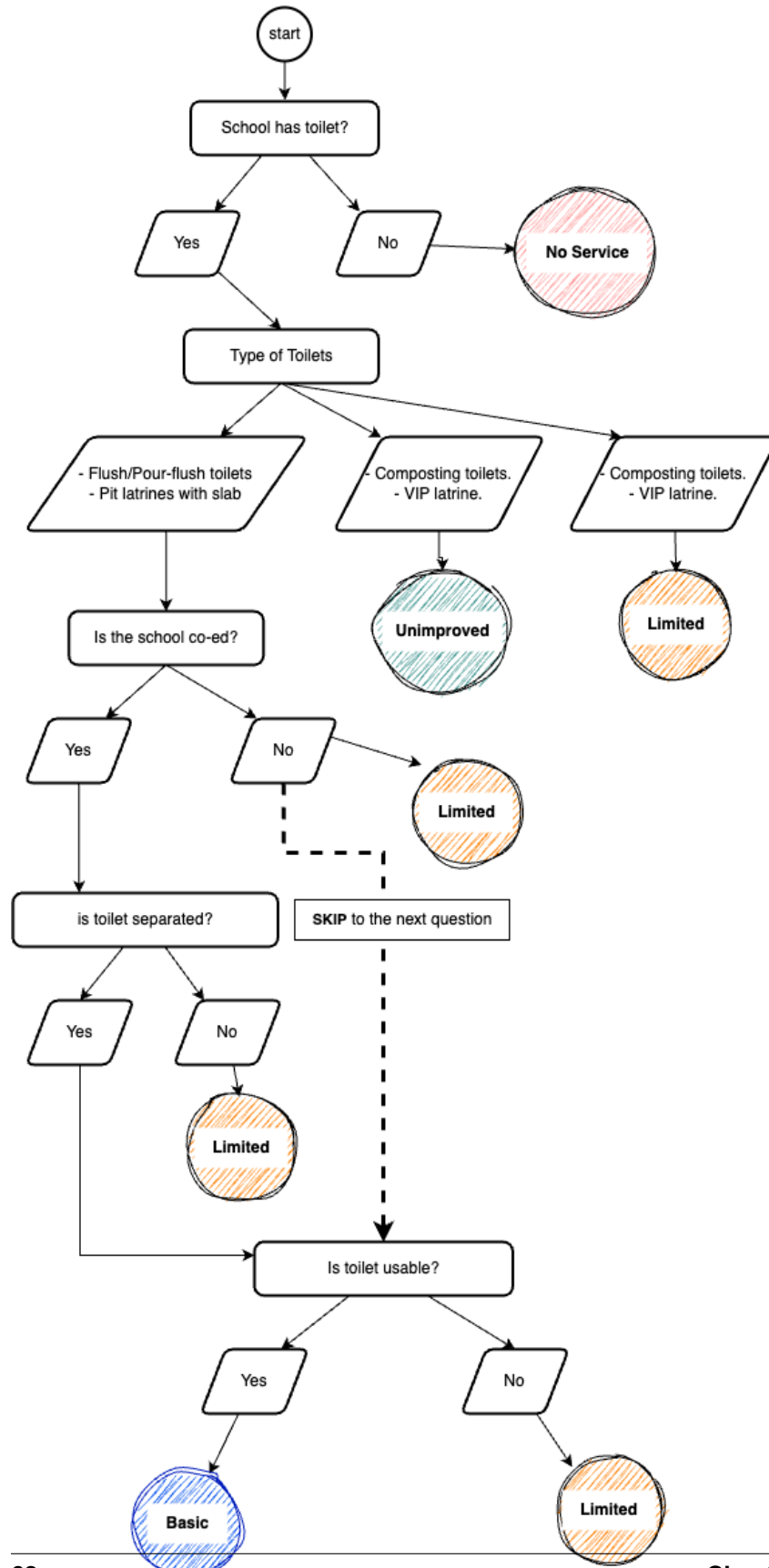
8.1.5 Else's fields

Field	Type	Re-quired	Description
name	String	No	Category name
ig-nore	Array of existing ques-tion IDs	No	Set list of question IDs that can be skipped based on the intersections in the options

8.2 Example

In this section, we provide an example use case to demonstrate how to create a category.json file. Please note that the presented use case, “Sanitation,” is intended for illustrative purposes only. While the example showcases the functionality and features of our library, it may not be an exact representation of real-world scenarios.

8.2.1 Logic visualisation



8.2.2 JSON File (category.json)

```
[
{
  "name": "Sanitation Criteria",
  "form": 1,
  "categories": [
    {
      "name": "Basic",
      "questions": [
        {
          "id": 11,
          "text": "School has toilet?",
          "options": [
            "Yes"
          ],
          "else": {
            "name": "No service"
          }
        },
        {
          "id": 12,
          "text": "Type of toilets",
          "options": [
            "Flush/Pour-flush toilets",
            "Pit latrines with slab"
          ],
          "other": [
            {
              "name": "Unimproved",
              "options": [
                "Composting toilets",
                "VIP latrine"
              ],
              "questions": []
            }
          ],
          "else": {
            "name": "Limited"
          }
        },
        {
          "id": 13,
          "text": "Is the school co-ed?",
          "options": [
            "Yes"
          ],
          "else": {
            "ignore": [
              14
            ]
          }
        }
      ]
    }
  ]
}
```

(continues on next page)

(continued from previous page)

```
{
  "id": 14,
  "text": "is toilet separated?",
  "options": [
    "Yes"
  ],
  "else": {
    "name": "Limited"
  }
},
{
  "id": 15,
  "text": "Is toilet usable?",
  "options": [
    "Yes"
  ],
  "else": {
    "name": "Limited"
  }
}
]
}
```


RUNNING TESTS

9.1 Backend Test

```
docker-compose exec backend ./test.sh
```

9.2 Frontend Test

```
docker-compose exec frontend yarn test
```


DATABASE SCHEMA

10.1 List of Table

```
SELECT relname, relkind
FROM   pg_class
WHERE  relreplident = 'd'
AND    relhasindex = true;
```

Table 1: List of Table

relname	relkind
alembic_version	r
administration	r
access	r
question_group	r
form	r
question	r
data	r
answer	r
organisation	r
jobs	r
log	r
option	r
history	r
user	r

10.2 Table Relationship

Table 2: List of Relationship

Schema	Name	Type	Owner
public	access	table	wai
public	access_id_seq	sequence	wai
public	administration	table	wai
public	administration_id_seq	sequence	wai
public	alembic_version	table	wai
public	answer	table	wai
public	answer_id_seq	sequence	wai
public	answer_search	view	wai
public	data	table	wai
public	data_id_seq	sequence	wai
public	form	table	wai
public	form_id_seq	sequence	wai
public	history	table	wai
public	history_id_seq	sequence	wai
public	jobs	table	wai
public	jobs_id_seq	sequence	wai
public	log	table	wai
public	log_id_seq	sequence	wai
public	option	table	wai
public	option_id_seq	sequence	wai
public	organisation	table	wai
public	organisation_id_seq	sequence	wai
public	question	table	wai
public	question_group	table	wai
public	question_group_id_seq	sequence	wai
public	question_id_seq	sequence	wai
public	score_view	view	wai
public	user	table	wai
public	user_id_seq	sequence	wai

10.3 Table Details

10.3.1 Administration

```

SELECT ordinal_position as pos, column_name, data_type, column_default, is_
↪ nullable
FROM   information_schema.columns
WHERE  table_name = 'administration'
ORDER BY ordinal_position;

```

Table 3: List of Relationship

pos	column_name	data_type	udt_name	column_default	is_nullable
1	id	integer	int4	nextval('administration_id_seq'::regclass)	NO
2	parent	integer	int4		YES
3	name	character varying	varchar		YES

10.3.2 User

```

SELECT ordinal_position as pos, column_name, data_type, column_default, is_
↪ nullable
FROM   information_schema.columns
WHERE  table_name = 'user'
ORDER BY ordinal_position;

```

Table 4: User Table

pos	column_name	data_type	column_default	is_nullable
1	id	integer	nextval('user_id_seq'::regclass)	NO
2	email	character varying		YES
3	active	boolean		YES
4	role	USER-DEFINED		YES
5	created	timestamp without time zone		YES
6	organisation	integer		YES
7	name	character varying		YES
8	__ts_vector__	tsvector		YES
9	man-age_form_passcode	boolean	false	NO

10.3.3 User Access

```

SELECT ordinal_position as pos, column_name, data_type, column_default, is_
↪ nullable
FROM   information_schema.columns
WHERE  table_name = 'access'
ORDER BY ordinal_position;

```

Table 5: Access Table

pos	column_name	data_type	column_default	is_nullable
1	id	integer	nextval('access_id_seq'::regclass)	NO
2	user	integer		YES
3	administration	integer		YES

10.3.4 Organisation

```
SELECT ordinal_position as pos, column_name, data_type, column_default, is_
↪ nullable
FROM   information_schema.columns
WHERE  table_name = 'organisation'
ORDER BY ordinal_position;
```

Table 6: Organisation Table

pos	col- umn_name	data_type	column_default	is_nullable
1	id	integer	nextval('organisation_id_seq'::regclass)	NO
2	name	character varying		YES
3	type	USER-DEFINED		YES
4	created	timestamp without time zone		YES

10.3.5 Form

```
SELECT ordinal_position as pos, column_name, data_type, column_default, is_
↪ nullable
FROM   information_schema.columns
WHERE  table_name = 'form'
ORDER BY ordinal_position;
```

Table 7: Form Table

pos	column_name	data_type	column_default	is_nullable
1	id	integer	nextval('form_id_seq'::regclass)	NO
2	name	character varying		YES
3	description	text		YES
4	default_language	character varying		YES
5	languages	ARRAY		YES
6	translations	ARRAY		YES
7	version	double precision		YES

10.3.6 Question Group

```
SELECT ordinal_position as pos, column_name, data_type, column_default, is_
↪ nullable
FROM   information_schema.columns
WHERE  table_name = 'question_group'
ORDER BY ordinal_position;
```

Table 8: Question Group Table

pos	col- umn_name	data_type	column_default	is_nullable
1	id	integer	nextval('question_group_id_seq'::regclass)	NO
2	order	integer		YES
3	name	character vary- ing		YES
4	form	integer		YES
5	description	text		YES
6	repeatable	boolean	false	YES
7	repeat_text	character vary- ing		YES
8	translations	ARRAY		YES

10.3.7 Question

```

SELECT ordinal_position as pos, column_name, data_type, column_default, is_
↪ nullable
FROM   information_schema.columns
WHERE  table_name = 'question'
ORDER BY ordinal_position;

```

Table 9: Question Table

pos	column_name	data_type	column_default	is_nullable
1	id	integer	nextval('question_id_seq'::regclass)	NO
2	order	integer		YES
3	name	character varying		YES
4	form	integer		YES
5	meta	boolean		NO
6	type	USER-DEFINED		YES
7	question_group	integer		YES
8	required	boolean	true	NO
9	rule	jsonb		YES
10	dependency	ARRAY		YES
11	tooltip	jsonb		YES
12	translations	ARRAY		YES
13	api	jsonb		YES
14	addons	jsonb		YES

10.3.8 Question Option

```

SELECT ordinal_position as pos, column_name, data_type, column_default, is_
↪ nullable
FROM   information_schema.columns
WHERE  table_name = 'option'
ORDER BY ordinal_position;

```

Table 10: Question Option Table

pos	column_name	data_type	column_default	is_nullable
1	id	integer	nextval('option_id_seq'::regclass)	NO
2	order	integer		YES
3	name	character varying		YES
4	question	integer		YES
5	color	character varying		YES
6	score	integer		YES
7	code	character varying		YES
8	translations	ARRAY		YES

10.3.9 Data

```

SELECT ordinal_position as pos, column_name, data_type, column_default, is_
↪ nullable
FROM   information_schema.columns
WHERE  table_name = 'data'
ORDER BY ordinal_position;

```

Table 11: Data Table

pos	col- umn_name	data_type	column_default	is_nullable
1	id	integer	nextval('data_id_seq'::regclass)	NO
2	name	character varying		YES
3	form	integer		YES
4	administration	integer		YES
5	geo	ARRAY		YES
6	created_by	integer		YES
7	updated_by	integer		YES
8	created	timestamp without time zone	CURRENT_TIMESTAMP	YES
9	updated	timestamp without time zone		YES

10.3.10 Data Answer

```

SELECT ordinal_position as pos, column_name, data_type, column_default, is_
↪ nullable
FROM   information_schema.columns
WHERE  table_name = 'answer'
ORDER BY ordinal_position;

```

Table 12: Data Answer Table

pos	col- umn_name	data_type	column_default	is_nullable
1	id	integer	nextval('answer_id_seq'::regclass)	NO
2	question	integer		YES
3	data	integer		YES
4	value	double precision		YES
5	text	text		YES
6	options	ARRAY		YES
7	created_by	integer		YES
8	updated_by	integer		YES
9	created	timestamp without time zone	CURRENT_TIMESTAMP	YES
10	updated	timestamp without time zone		YES

10.3.11 Data History

```

SELECT ordinal_position as pos, column_name, data_type, column_default, is_
↪ nullable
FROM   information_schema.columns
WHERE  table_name = 'history'
ORDER BY ordinal_position;

```

Table 13: Data Answer Table

pos	col- umn_name	data_type	column_default	is_nullable
1	id	integer	nextval('history_id_seq'::regclass)	NO
2	question	integer		YES
3	data	integer		YES
4	value	double precision		YES
5	text	text		YES
6	options	ARRAY		YES
7	created_by	integer		YES
8	updated_by	integer		YES
9	created	timestamp without time zone	CURRENT_TIMESTAMP	YES
10	updated	timestamp without time zone		YES

10.3.12 Jobs

```

SELECT ordinal_position as pos, column_name, data_type, column_default, is_
↪ nullable
FROM   information_schema.columns
WHERE  table_name = 'jobs'
ORDER BY ordinal_position;

```

Table 14: Jobs Table

pos	col- umn_name	data_type	column_default	is_nullable
1	id	integer	nextval('jobs_id_seq'::regclass)	NO
2	type	USER-DEFINED		YES
3	status	USER-DEFINED	'pending'::jobstatus	YES
4	payload	text		NO
5	info	jsonb		YES
6	attempt	integer	0	YES
7	created_by	integer		NO
8	created	timestamp without time zone	CURRENT_TIMESTAMP	YES
9	available	timestamp without time zone		YES

10.3.13 Logs

```

SELECT ordinal_position as pos, column_name, data_type, column_default, is_
↪ nullable
FROM   information_schema.columns
WHERE  table_name = 'log'
ORDER BY ordinal_position;

```

Table 15: Log Table

pos	col- umn_name	data_type	column_default	is_nullable
1	id	integer	nextval('log_id_seq'::regclass)	NO
2	user	integer		YES
3	message	text		YES
4	at	timestamp without time zone	CURRENT_TIMESTAMP	YES
5	jobs	integer		YES

LIST OF SERVICES

```
** Services

#+NAME: Services
#+begin_src sh :results verbatim output :exports both
docker compose ps
#+end_src

#+RESULTS: Services
: NAME                                IMAGE                                SERVICE  CREATED          STATUS          PORTS
: wai-sdg-portal-backend-1            python:3.8.5                        backend   4 hours ago      Up 4 hours      0.0.0.0:5432->5432/tcp, :::5432->5432/tcp
: wai-sdg-portal-db-1                 postgres:12-alpine                  db        4 hours ago      Up 4 hours      0.0.0.0:5432->5432/tcp, :::5432->5432/tcp
: wai-sdg-portal-frontend-1           akvo/akvo-node-18-alpine:20220923.084347.0558ee6  frontend  4 hours ago      Up 4 hours      0.0.0.0:3000->3000/tcp, :::3000->3000/tcp, 0.0.0.0:5050->5050/tcp, :::5050->5050/tcp, 0.0.0.0:8000->8000/tcp, :::8000->8000/tcp
: wai-sdg-portal-mainnetwork-1         alpine:3.14.0                      mainnetwork  4 hours ago      Up 4 hours      0.0.0.0:3000->3000/tcp, :::3000->3000/tcp, 0.0.0.0:5050->5050/tcp, :::5050->5050/tcp, 0.0.0.0:8000->8000/tcp, :::8000->8000/tcp
: wai-sdg-portal-pgadmin-1            dpage/pgadmin4:5.7                 pgadmin    4 hours ago      Up 4 hours      0.0.0.0:8000->8000/tcp, :::8000->8000/tcp
: wai-sdg-portal-worker-1             python:3.8.5                        worker     4 hours ago      Up 4 hours      0.0.0.0:8000->8000/tcp, :::8000->8000/tcp

** Container Detail

*** Backend

#+NAME: Backend Processes
#+begin_src sh :exports both
docker compose top backend | tail -n +2 | head -n -1
#+end_src

#+RESULTS: Backend Processes
| UID | PID | PPID | C | STIME | TTY | TIME | CMD |
|-----|-----|-----|-----|-----|-----|-----|-----|
|     |     |     |   |       |     |      |     |
|     |     |     |   |       |     |      |     |
```

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```

| root | 94628 | 94577 | 0 | 12:12 | ? | 00:00:00 | bash | ./dev.sh
↪
↪
| root | 95594 | 94628 | 3 | 12:12 | ? | 00:08:17 | /usr/local/bin/python | /usr/local/
↪bin/uvicorn | main:app | --reload | --port | 5000
↪
| root | 95595 | 95594 | 0 | 12:12 | ? | 00:00:00 | /usr/local/bin/python | -c
↪ | from | multiprocessing.resource_tracker | import | main;main(4) |
↪
| root | 95596 | 95594 | 0 | 12:12 | ? | 00:00:49 | /usr/local/bin/python | -c
↪ | from | multiprocessing.spawn | import | spawn_main;
↪spawn_main(tracker_fd=5, | pipe_handle=7) | --multiprocessing-fork |

**** Commands

#+NAME: Backend Commands
#+begin_src sh :results verbatim :exports both
docker compose exec backend ./seed.sh
#+end_src

#+RESULTS: Backend Commands
: This script require more than 0 argument/s
: Example: ./test.sh dev@akvo.org "My Name" "My Organisation"

#+NAME: Seeder
#+begin_src sh :results verbatim :exports both
docker compose exec backend cat ./seed.sh | grep seeder. | sed 's/#\ //g'
#+end_src

#+RESULTS: Seeder
: python -m seeder.administration
: python -m seeder.admin "$@"
: python -m seeder.fake_user 30 "$3"
: python -m seeder.form
: python -m seeder.datapoint "$1"

*** Frontend

**** Processes

#+NAME: Frontend Processes
#+begin_src sh :exports both
docker compose -f docker-compose.yml top frontend | tail -n +2 | head -n -1
#+end_src

#+RESULTS: Frontend Processes
| UID | PID | PPID | C | STIME | TTY | TIME | CMD |
↪
↪
| root | 94620 | 94559 | 0 | 12:12 | ? | 00:00:00 | bash | ./start.sh
↪
↪
| root | 94820 | 94620 | 0 | 12:12 | ? | 00:00:03 | node | /opt/yarn-v1.
↪22.19/bin/yarn.js | start |

```

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```

| root | 94841 | 94820 | 0 | 12:12 | ? | 00:00:00 | /usr/local/bin/node | /app/node_
↳modules/.bin/react-scripts | start |
| root | 94849 | 94841 | 0 | 12:12 | ? | 00:00:21 | /usr/local/bin/node | /app/node_
↳modules/react-scripts/scripts/start.js | |

**** Commands

#+NAME: Frontend Commands
#+begin_src sh :results verbatim :exports both
docker compose exec frontend yarn run
#+end_src

#+RESULTS: Frontend Commands
#+begin_example
yarn run v1.22.19
info Commands available from binary scripts: acorn, ansi-html, autoprefixer,
↳browserslist, browserslist-lint, cross-env, cross-env-shell, css-blank-pseudo, css-has-
↳pseudo, css-prefers-color-scheme, cssesc, detect, detect-port, detective, ejs,
↳escodegen, esgenerate, eslint, eslint-config-prettier, espars, esvalidate, he, html-
↳minifier-uglify, import-local-fixture, is-docker, jake, jest, js-yaml, jsesc, json5,
↳loose-envify, lz-string, mime, mkdirp, multicast-dns, nanoid, nmtree, node-which,
↳parser, prettier, react-scripts, regjsparser, remarkable, resolve, rimraf, rollup,
↳sass, semver, sha.js, svgo, synp, tailwind, tailwindcss, terser, topo2geo, topomerge,
↳topoquantize, uuid, webpack, webpack-dev-server, yarn-audit-fix
info Project commands
  - build
    react-scripts build
  - eject
    react-scripts eject
  - lint
    eslint --config .eslintrc.json src --ext .js,.jsx
  - prettier
    prettier --check src
  - start
    react-scripts start
  - test
    react-scripts test --updateSnapshot --transformIgnorePatterns "node_modules/(?!
↳d3|d3-geo|d3-array|internmap|delaunator|robust-predicates|react-leaflet)/"
  - test:ci
    CI=true react-scripts test --watchAll=false --coverage --transformIgnorePatterns
↳"node_modules/(?!d3|d3-geo|d3-array|internmap|delaunator|robust-predicates)/"
Done in 0.02s.
#+end_example

*** Worker

#+NAME: Worker Processes
#+begin_src sh :exports both
docker compose top worker | tail -n +2 | head -n -1
#+end_src

#+RESULTS: Worker Processes

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```

| UID | PID | PPID | C | STIME | TTY | TIME | CMD |
└─┘
| root | 94704 | 94679 | 0 | 12:12 | ? | 00:00:00 | bash | ./worker.
└─┘
| root | 95588 | 94704 | 3 | 12:12 | ? | 00:08:19 | /usr/local/bin/python | /usr/local/
└─┘
| root | 95590 | 95588 | 0 | 12:12 | ? | 00:00:00 | /usr/local/bin/python | -c
└─┘
| root | 95591 | 95588 | 0 | 12:12 | ? | 00:00:55 | /usr/local/bin/python | -c
└─┘
*** Database

#+NAME: Database Processes
#+begin_src sh :exports both
docker compose top db | tail -n +2 | head -n -1
#+end_src

#+RESULTS: Database Processes
| UID | PID | PPID | C | STIME | TTY | TIME | CMD |
└─┘
| 70 | 94342 | 94316 | 0 | 12:12 | ? | 00:00:00 | postgres |
└─┘
| 70 | 94635 | 94342 | 0 | 12:12 | ? | 00:00:00 | postgres: | checkpointer |
└─┘
| 70 | 94636 | 94342 | 0 | 12:12 | ? | 00:00:00 | postgres: | background | writer
└─┘
| 70 | 94637 | 94342 | 0 | 12:12 | ? | 00:00:00 | postgres: | walwriter |
└─┘
| 70 | 94638 | 94342 | 0 | 12:12 | ? | 00:00:00 | postgres: | autovacuum |
└─┘
| 70 | 94639 | 94342 | 0 | 12:12 | ? | 00:00:00 | postgres: | stats |
└─┘
| 70 | 94640 | 94342 | 0 | 12:12 | ? | 00:00:00 | postgres: | logical |
└─┘
| 70 | 95628 | 94342 | 0 | 12:12 | ? | 00:00:00 | postgres: | wai | wai_
└─┘
| 70 | 95629 | 94342 | 0 | 12:12 | ? | 00:00:02 | postgres: | wai | wai_
└─┘
| 70 | 95642 | 94342 | 0 | 12:12 | ? | 00:00:00 | postgres: | wai | wai_
└─┘
| 70 | 103242 | 94342 | 0 | 12:17 | ? | 00:00:00 | postgres: | wai | wai_
└─┘
| 70 | 103243 | 94342 | 0 | 12:17 | ? | 00:00:00 | postgres: | wai | wai_
└─┘
| 70 | 103244 | 94342 | 0 | 12:17 | ? | 00:00:00 | postgres: | wai | wai_
└─┘

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*** Dev

**** PG Admin

#+NAME: PG Admin Processes

#+begin_src sh :exports both

docker compose top pgadmin | tail -n +2 | head -n -1

#+end_src

#+RESULTS: PG Admin Processes

UID	PID	PPID	C	STIME	TTY	TIME	CMD
5050	94608	94537	0	12:12	?	00:00:03	/venv/bin/python3
							/venv/bin/gunicorn | --timeout | 86400 | --bind | [::]:5050 | -w | 1 | --threads | 25
							| --access-logfile | - | -c | gunicorn_config.py | run_pgadmin:app |
root	94812	94608	0	12:12	?	00:00:00	/usr/libexec/postfix/master
							-w
systemd+	94814	94812	0	12:12	?	00:00:00	qmgr
							-l
							-t | unix | -u
5050	94905	94608	0	12:12	?	00:00:09	/venv/bin/python3
							/venv/bin/gunicorn | --timeout | 86400 | --bind | [::]:5050 | -w | 1 | --threads | 25
							| --access-logfile | - | -c | gunicorn_config.py | run_pgadmin:app |
systemd+	425845	94812	0	15:32	?	00:00:00	pickup
							-l
							-t | unix | -u

**** Main Network

#+NAME: Main Network Processes

#+begin_src sh :exports both

docker compose top mainnetwork | tail -n +2 | head -n -1

#+end_src

#+RESULTS: Main Network Processes

UID	PID	PPID	C	STIME	TTY	TIME	CMD
root	94393	94363	0	12:12	?	00:00:00	tail | -f | /dev/null