MaaS - MongoDB as an admin Service

User Manual V2.0.0

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Indice

1 Introduction

1.1 Aim of the document

This document is intended to guide the user through the features offered by the software MaaS. The use of this software does not require any computer knowledge, as the functionalities offered are easily accessible from any browser, like any other normal website.

1.2 Aim of the service

The goal of this product is adapt the framework MongoDB as an admin Platform (MaaP), developed by the group SteakHolders during the Software Engineering's project of the academic year 2013/2014, to provide the product as a web service.

1.3 Prerequisites

To use this product ther user must have access to an Internet connection, and a web browser. Supported browser are Google Chrome (minimum version: 49) and Mozilla Firefox (minimum version: 45).
The website is accessible by the following link: `maas-demo.herokuapp.com`.

1.4 Error handling

The majority of the errors of ther system are handled by a specific component that centralize this task. For this reason, except some cases, this manual will not enter in detail on the error handling, this is because this operation is the same in every page of the site.

1.5 Glossary

Collection Table formed by multiple documents.

Document It's an union of informations that describes a table row.

Form It's an interface that offers the user the possibility to insert informations to send to the server.

MaaS MongoDB as an Admin Service. The product developed by the team.

2   Authentication and profile management

From the site's Main Page are avaliable the following operations:

- Sign Up(1);
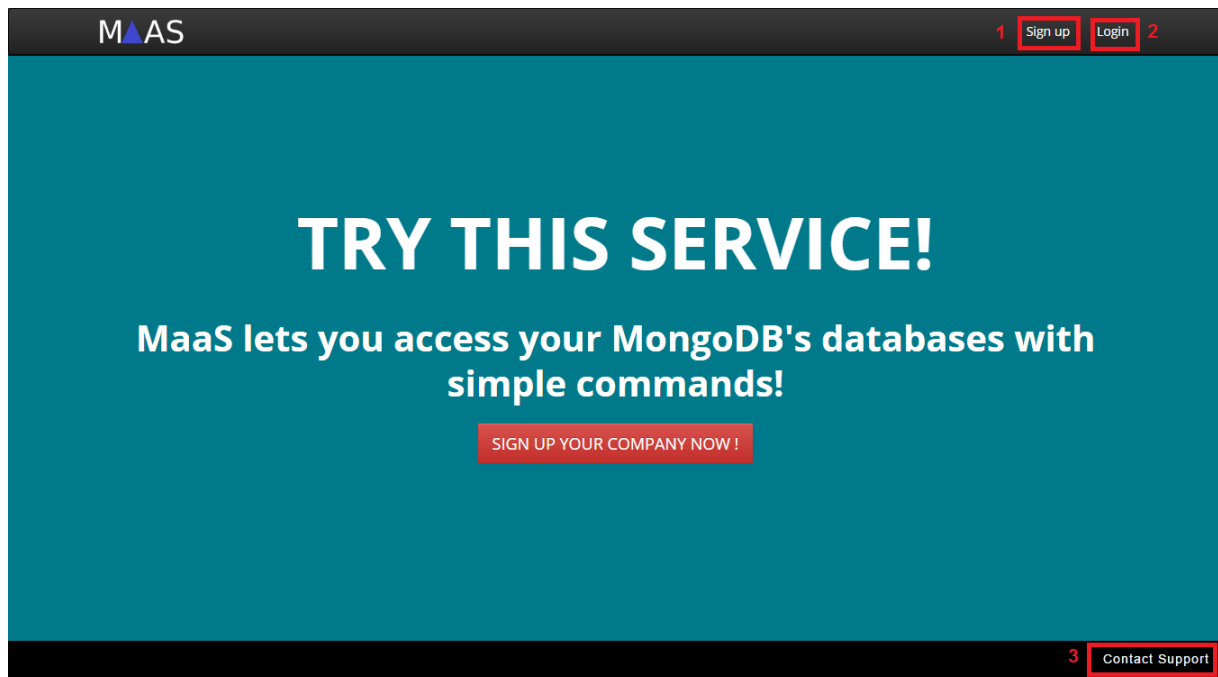
- Login(2);

- Contact support(3).

Fig 1: Main Page

2.1   Company Registration

The first thing you have to do to use MaaS is signing up by clicking on the Sign up button on the menu.
You will find yourself in a page containing a form which have to be filled with the name of the company(4) and the owner's email(5). Then you can continue by clicking on the Sign up button(6).

Fig 2: Company Registration

If the inserted informations are valid you will see the following message:
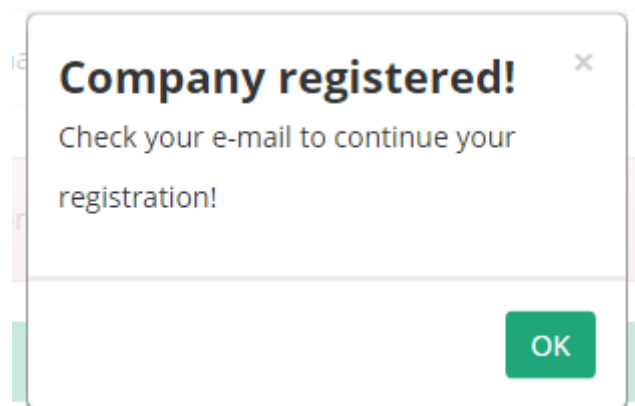
Fig 3: Successfull Company Registration

Otherwise you will see an appropriate error's message.

2.2 User Registration

Unlike the majority of websites, to register an user inside MaaS it's necessary to have received an invitation's mail. After having clicked on the link present in the email, you will be redirected to the user registration's page.
To register in MaaS you have to fill the form wich requires:

- User's password;

- Repeat the user's password.

After having filled the form you need to click on the non so cosa ci sia button to conclude the registation. If the given informations are valid you will be redirected to the Main Page, otherwise you will see an appropriate error's message.

2.3   Authentication

Registration is required for logging in. Login allows you to access the system's Home Page and all the features available to you. In order to authenticate you must first click on the Login (see #2 from the first image) button on the menu.
You will find yourself in a page containing a form which have to be filled with your email(7) and your password(8). Then you can continue by clicking on the Log in button(9).

Fig 4: Log In

When this operation has been completed, if the information is valid you will find yourself on your Home Page, otherwise youwill see an appropriate error's message.

Fig 5: Log In Error

2.4   Password recovery

In case the user has lost his/her password, it's possible to reset the password. You need to know your registration email in order to proceed. To access to this feature you must go to the Login page and click on Forgot your password? link(10). You will have to fill out the form with your registration email(11) and click on the Recovery(12) button. If the email address exists in the system an email containing more instructions will be sent to the previously inserted address, otherwise you will see an error.

Fig 6: Recovery

2.5   Access and profile management

In order to access the profile's edit page, click on the email address on the menu bar and select Profile. Here the user can see his personal informations and modify his/her password(13).

Fig 7: Profile

If you want to modify your password click on the Change password button (13). If there isn't any error you will see a message to confirm that the mail has been sent, otherwise you will see an appropriate error.
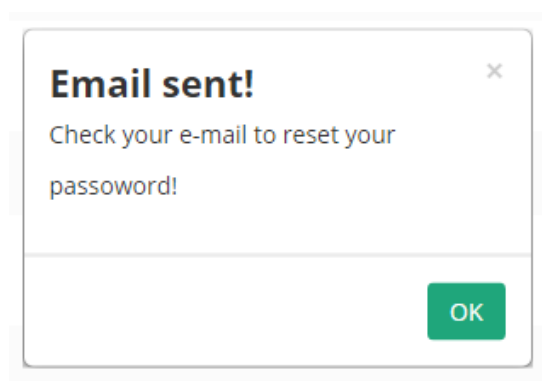
Fig 8: ChangePassword

2.6   Contact support

On the bottom of the page there will always be the link to access the form to contact the site's support.

Fig 9: Contact support position

This page's form requires:

1. The name of the user(14);

2. The email of the user(15);

3. A text describing the problem to be submitted to the support(16).

After having compiled every field of the form you can send the message to the site's support by clicking on the Send a message button(17).

Fig 10: Contact Support

The email's field will be automatically filled if the user is logged in the system.

3 Collection management

3.1 Home Page

After having successfully authenticated inside the system you will find yourself in the Home Page where you will find the DSLI's list you have access to. Each row of this list is composed of:

- The name of the DSLI;

- The date of the last change to the DSLI;

- The type of the DSLI;

- The author of the DSLI;

- A button to edit the DSLI;

- A button to clone the DSLI, in other words to create a copy of the DSLI;

- A button to delete the DSLI.

Fig 11: Home Page

The name of the DSLI is also a link that enable the user to see the page containing the result of the execution of the DSLI. The various buttons for every DSLI are enabled only if the user has the permits to make such operations.
To create a new DSLI you can find the button Create DSLI on the top left of the page, just over the list.

3.2   Edit DSLI

This page, accessible by the pencil button on the home page, enable the user to:

- Rename the DSLI;

- Select the database in wich execute the DSLI;

- Change the DSLI text using the editor;

- Clone the DSLI;

- Delete the DSLI;

- Export the DSLI in .csv format;

- Send the DSLI's execution's result by email.

Fig 12: Editor

3.2.1   Rename the DSLI

To rename the DSLI just press on the button next to the name of DSLI, this will let you see a window that enables you to change the name of the DSLI. After you have finished editing the name, press the button Rename to save the new name. After that to finalize the change you have to click on the Save button on the bottom of the page. This functionality is available only to the users that possess the permits to do so.
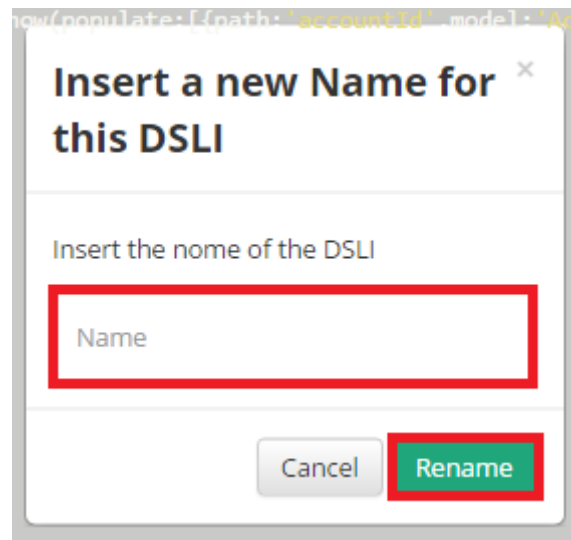
Fig 13: Rename

3.2.2   Editor

The editor lets you change the text of the DSLI as you see fit. After having modified the text it's necessary to finalize the changes by clicking on the Save button on the bottom of the page. This functionality is available only to the users that possess the permits to do so.

3.2.3   Clone DSLI

Cloning a DSLI means to create a personal copy of it, this copy won't possess the limitations of a public DSLI, enabling the user to modify it as he sees fit.
To clone a DSLI you must click on the apposite button (you can find one on Home Page and one on the Edit DSLI page). After having done this, you will be able to see the new cloned DSLI on the Home Page. This functionality is available only to the users that possess the permits to do so.

3.2.4   Export DSLI

After having clicked on the button to export the DSLI the download will start automatically in .csv format.

3.3   Create new DSLI

By clicking on the Create DSLI you will see a form that requires you to fill it with a name for the new DSLI. Done that you have to confirm the creation of the new DSLI by clicking on the Create button. Now you can access to this new DSLI in the home page.

Fig 14: New DSLI

3.4   Exec DSLI

By clicking on the name of the DSLI you will be redirected to a page that shows you the result of the execution of the DSLI.

3.4.1   Cell

The cell is the most simple type of DSLI. It's a simple pair of property and value.

Fig 15: Cell

3.4.2   Document

The document is a list of cells. Every property is paired with it's value.

Fig 16: Document

3.4.3 Collection

The collection is a table where every row corresponds to a document. By clicking on the value of the first column you can access the full document.

Fig 17: Collection

3.4.4 Dashboard

The dashboard is a set of DSLIs that are executed and printed on a single page.

Fig 18: Dashboard

4   Company management

An administrator, in addition to the normal features available to an user, has access to a private section accessible only to the administrators and the owner of the company. Administrators have two particular aspects to manage:

- The users registered in the company;

- The DSLIs created by the users of the company.

Fig 19: Home Page Administrator

4.1   User management

The administrator has access to the list of all the users registered inside the company. Each row of the list is composed of:

- The mail of the user;

- A dropdown menu that enables the administrator to change the access level of the user;

- Delete the user.

Fig 20: User management

Other than the list there is a button called Send invite that enable the administator to invite a new user. After having clicked on the button you will see a form you must fill by writing an email address and selecting an access level. Done that, to finalize the procedure, you must click on the Send invite button.

Fig 21: Invite User

4.1.1   Delete user

By clicking on the button with the trash image you can delete the user in that row from the system. If there are some errors in the procedure you will see an error.

4.2   DSLI management

The administrator has access, through two different pages, to the list of all the public and private DSLIs created by the members of the company. The two pages are accessible to the administrator by clicking on the DSLI button on the menu.

4.2.1   Public DSLI

This page let's you manage the public DSLIs of the company. The page offers to the user a list in wich each row is composed of:

- The name of the DSLI;

- The id with wich the DSLI is identified inside the system;

- The date of the last change to the DSLI;

- The author of the DSLI;

- A dropdown menu that enables the administrator to change the access rights to the DSLI;

- A button to edit the DSLI;

- A button to create a public copy of the DSLI;

- A button to share the DSLI by email;

- A button to delete the DSLI.

Fig 22: Public DSLI

4.2.1.1   Share DSLI

By pressing the Share button you access the form for sharing, via email, the selected DSLI. You are required to fill this form with an email address and, to complete the operation, to click on the Send invite button.

This will enable the possessor of the given email address to see the result of the execution of the selected DSLI.

4.2.2   Private DSLI

This page let's you manage the private DSLIs of the company. This page is composed of a list similar to the one in the Home Page with little differences, each row is composed of:

- The name of the DSLI;

- The id with wich the DSLI is identified inside the system;

- The date of the last change to the DSLI;

- The author of the DSLI;

- A button to edit the DSLI;

- A button to create a public copy of the DSLI;

- A button to delete the DSLI.

Fig 23: Private DSLI

4.3   Data management

The administrator has access to the list of all the databases saved inside the company. Each row of the list is composed of:

- The name of the database;

- The id of the database;

- A button to delete the database.

Fig 24: Database management

Other than the list there is a button called Add database that enable the administator to add a new database. After having clicked on the button you will see a form you must fill by writing a name for the database and the URI, a string to access the database. Done that, to finalize the procedure, you must click on the Add button.
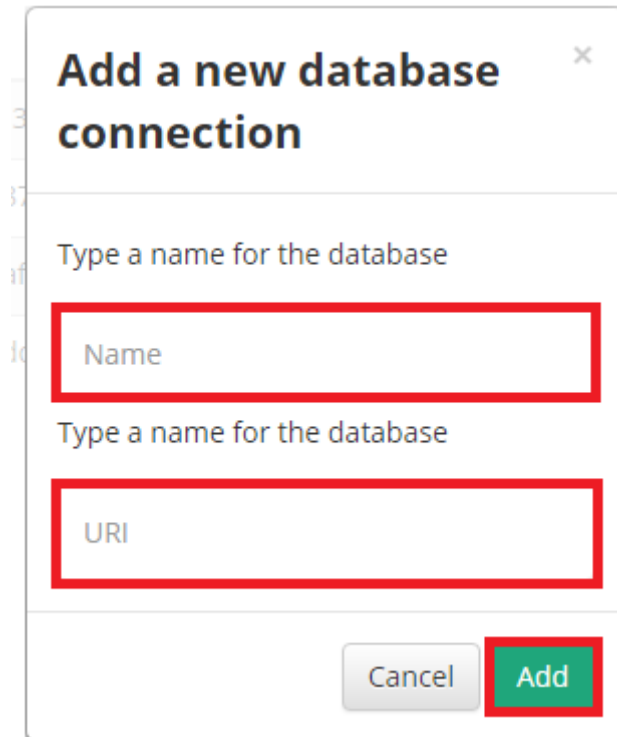
Fig 25: Add Database

4.3.1   Delete data

By clicking on the button with the trash image you can delete the database in that row from the system. If there are some errors in the procedure you will see an error.