

Hawk Cloud User Manual

EECS 448

Team 13

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1. Hawk Cloud Installation

The Hawk Cloud application can be run on any system that supports Ruby on Rails. However for the Initial release, the installation process only supports systems using bash. Our development and testing was done on Ubuntu 14.04, and Raspbian Jessie 4.1.19-v7 so these two should not require much modification to the installation process to get the service online. At the time of this writing, these two operating systems are the recommended platforms for deploying your own server.

1a. Installation

The Hawk Cloud application can be installed using `install_cloud_drive_app.sh` script in the terminal, or by executing it on the desktop of your computers operating system. This installation script is included in the zipped folder with this user manual. Place the `install_cloud_drive_app.sh` script in your home directory then run the following command to start the applications installation.

```
sudo bash install_cloud_drive_app.sh
```

After running the above command you should see the following message indicating that the installation script has started.

```
Hawk Cloud Installation starting...
```

This installation process will install several dependencies required for the Hawk Cloud application, the Ruby on Rails 2.3.0 environment if not already, download the Hawk Cloud source code to your system, and setup the database. This process is quite lengthy so it may take several hours depending on what software you might already have installed and the physical specifications of the server you are installing this software on. After this script has completed, the terminal will output the following message.

```
Installation Complete!
```

At this point the Hawk Cloud application is successfully installed and needs to be configured for your specific server setup.

1b. Configuration

To configure the Hawk Cloud application, you simply need to change some values in the project configuration file to point to your specific domain name and mail server information. To do so, navigate to the `development.rb` file inside the Hawk Cloud application's directory as shown below.

```
project3proto/config/environments/development.rb
```

Now using any text editor of your choice, you can edit this plain text file to include your specific information. To change the domain name, replace “group13.tk” on line 17 with your own domain name like so.

```
config.action_mailer.default_url_options = { :host => 'YourDomainNameHere.com' }
```

To change the Simple Mail Transfer Protocol (smtp) server the Hawk Cloud application sends emails out with, you must edit lines 21, 24, and 25 of the same `development.rb` file. Replace “smtp.mail.yahoo.com” to your desired smtp server address on line 21.

```
address: 'YourSMTPmailServer.com',
```

After changing the smtp server address, you must also use your own email account to send emails using your smtp server. Replace the email `user_name` and `password` in the same `development.rb` file to your own email account information.

```
user_name: 'YourEmailUsername',  
password: 'YourEmailPassword',
```

You can now save all the changes you made to the `development.rb` file and exit the text editor. All the required configuration is complete and you can now start the application on your server.

1c. Starting the Hawk Cloud Application

To start the Hawk Cloud application simply run the `start_server.sh` script. This script is in the same zipped folder as this user manual and the installation script. Place the script in your home directory (the same place you put the `install_cloud_drive_app.sh` installation script, then run the following command to start the Hawk Cloud application for your server.

```
sudo bash start_server.sh
```

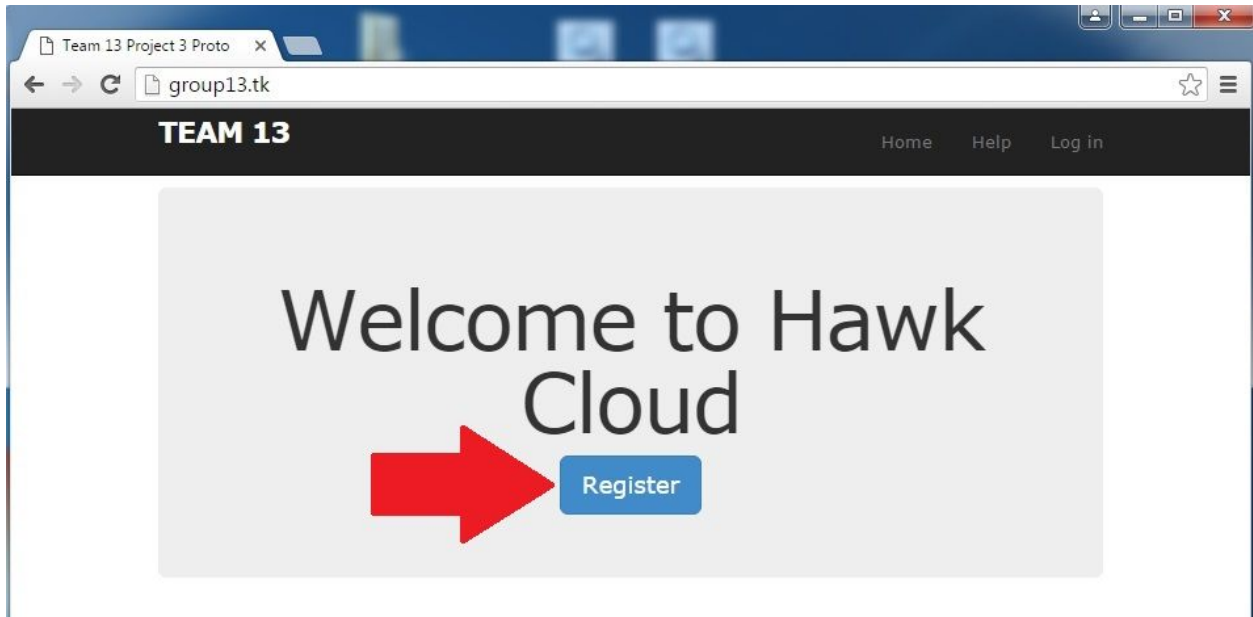
This will output a status message to indicate that the Hawk Cloud server is starting.

```
Starting Hawk Cloud server...
```

You now have a fully functioning Hawk Cloud server which you can access with your custom domain name in any web browser.

2. Registering a New User

To register a new user in the Hawk Cloud use any web browser to navigate to your Hawk Cloud website. Once it is loaded, click on the “Register” button.



This will take to the sign up screen to create a new user.

A screenshot of the Hawk Cloud sign up page. The browser's address bar shows 'group13.tk/signup'. The website header is identical to the previous screenshot. The main content area has the title 'Sign Up' in a large, dark font. Below the title are four input fields: 'Name' (containing 'UserName'), 'Email' (containing 'email@example.com'), 'Password' (containing seven dots), and 'Confirmation' (containing seven dots). At the bottom of the form is a blue button labeled 'Creat My Account'. A large red arrow points from the left towards this button.

Here you will enter a username, email and password for the new user. The sign up system will display an error if your password confirmation field does not match the password

field. After you enter your desired credentials, click the “Create My Account” button. You will then be taken back to the registration page with the following prompt to check your email account for the account activation link.

- **Account Activation**

- **group13proj4@yahoo.com**

To a906k620@yahoo.com

Group 13 Cloud Server

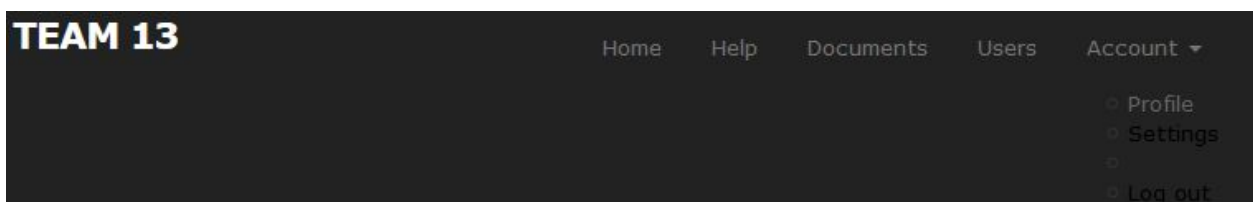
Hi new8,

Welcome to the Group 13 Project 4 App! Click on the link below to activate your account:

[Activate](#)

[Reply](#), [Reply All](#) or [Forward](#) | [More](#)

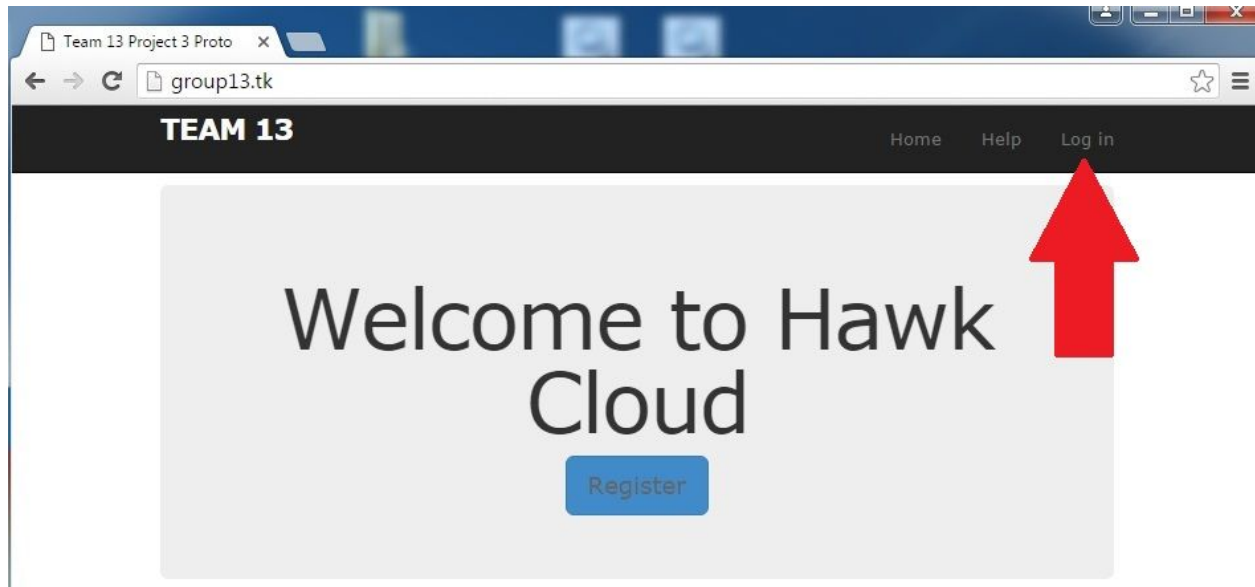
In your email account there will be an email from the Hawk Cloud server welcoming you to the system. There will also be an activation link at the bottom. To activate your new account, simply click on the link, and it will activate your account for you and open your new user home page. It will look like the example below. From here you can use the navigation bar on the top to access different features of the Hawk Drive. You may click the “Log out” link at any time to log out of your Hawk Cloud account.



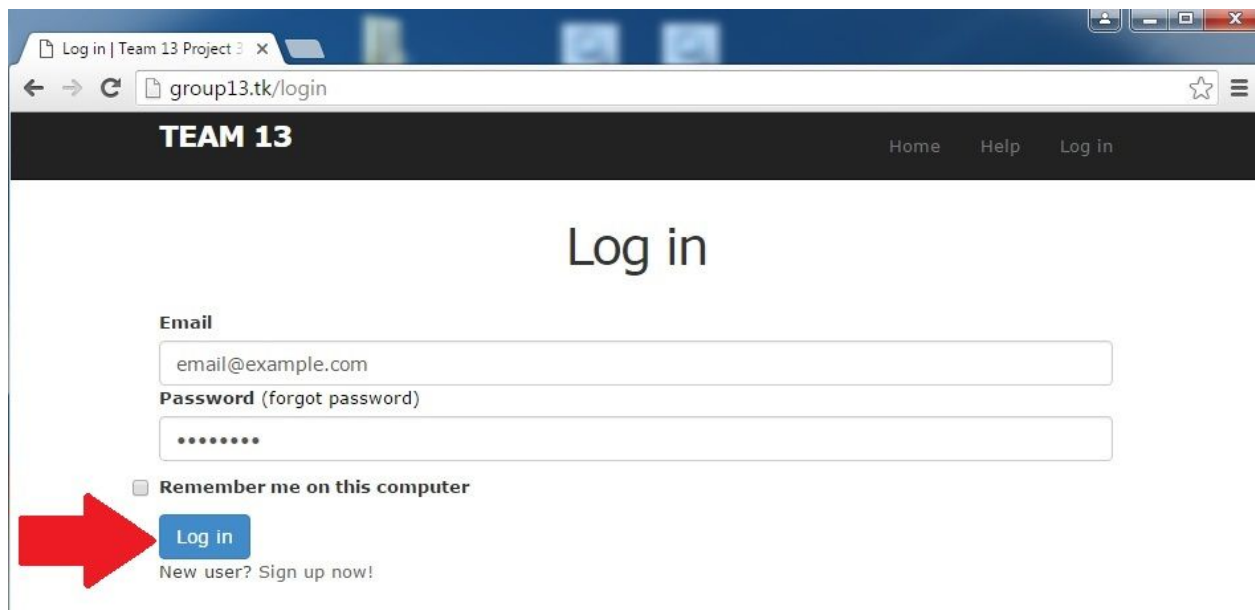
UserName

2a. Logging In

If you are not currently logged into the Hawk Cloud platform, but you have an account, click on the “Log in” link in the navigation bar.



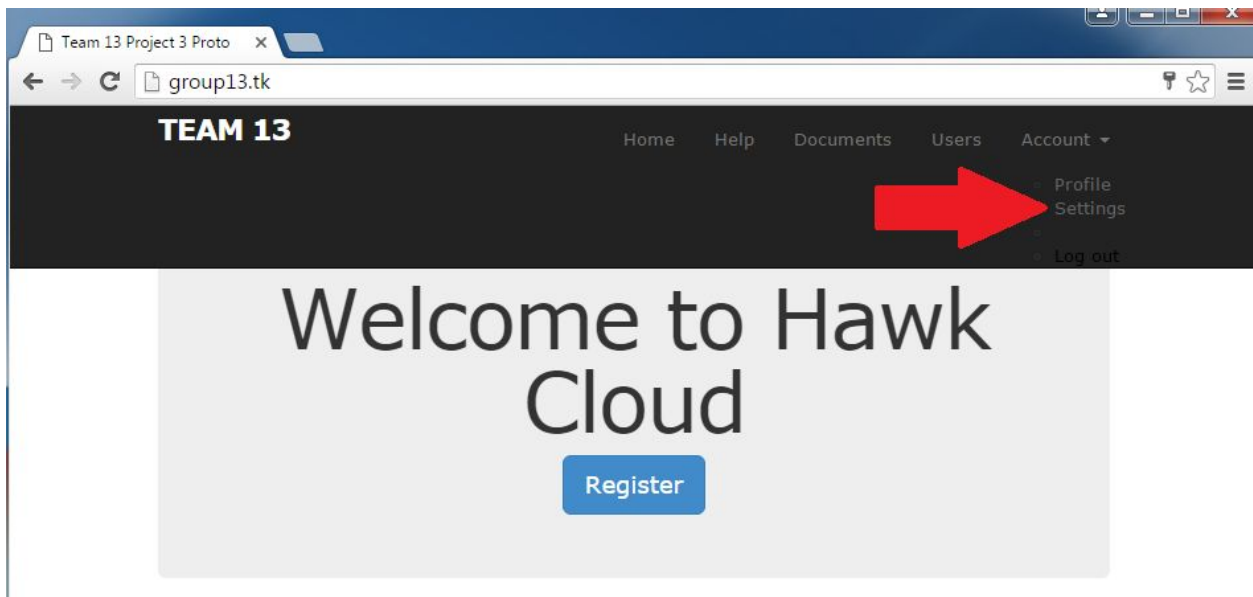
This will take you to the Log in page where you can enter your credentials and click the “Log in” button.



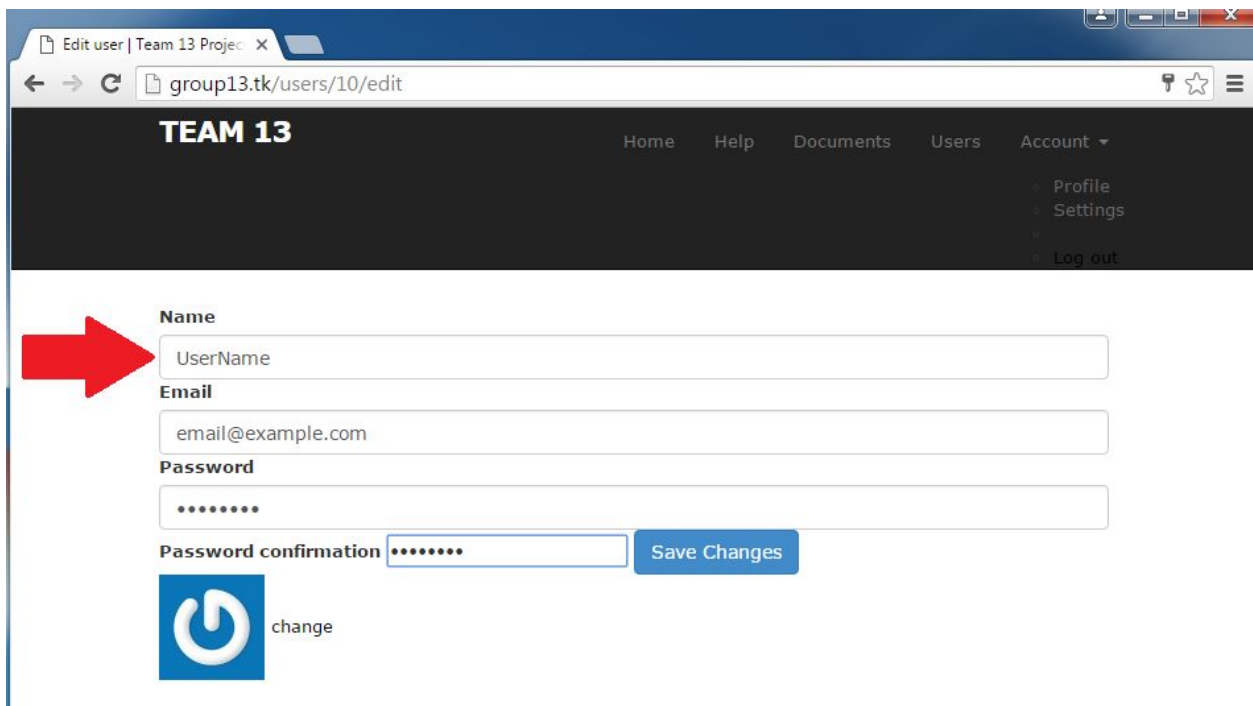
After Clicking the “Log in” button, you will return to your user home page.

2b. Changing Your Username

To change your username, you must be logged in, then click the “Settings” link.



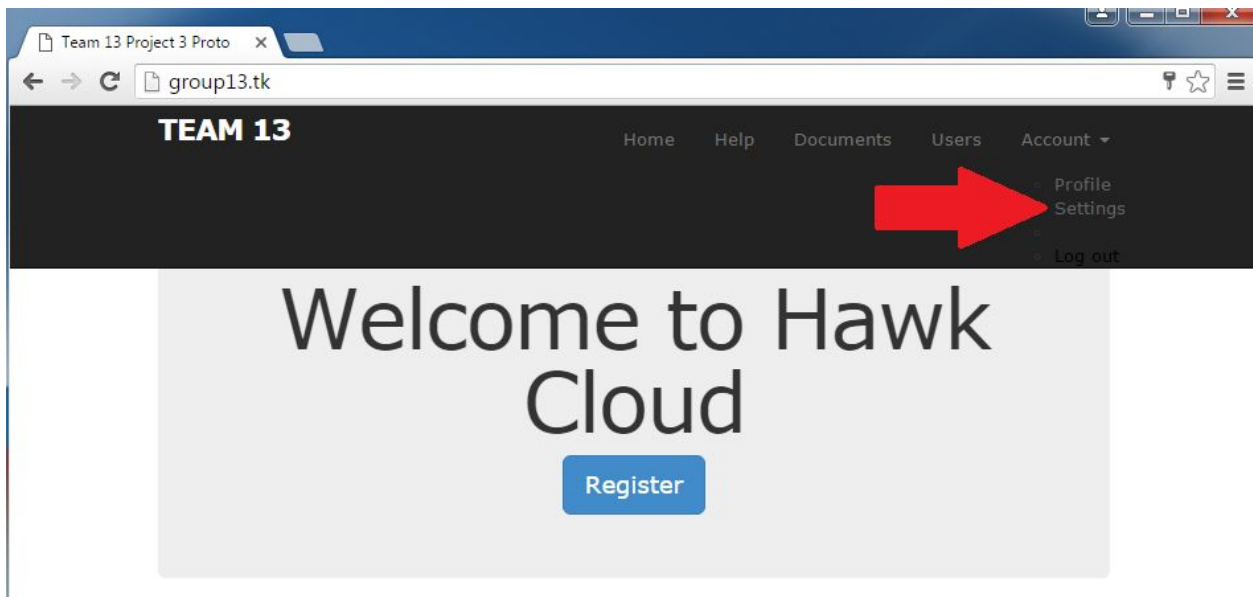
This will take you to the Settings page where you can access any information about your account that you can change. Edit the “Name” field to whatever you want your new username to be, then click the “Save Changes” button.



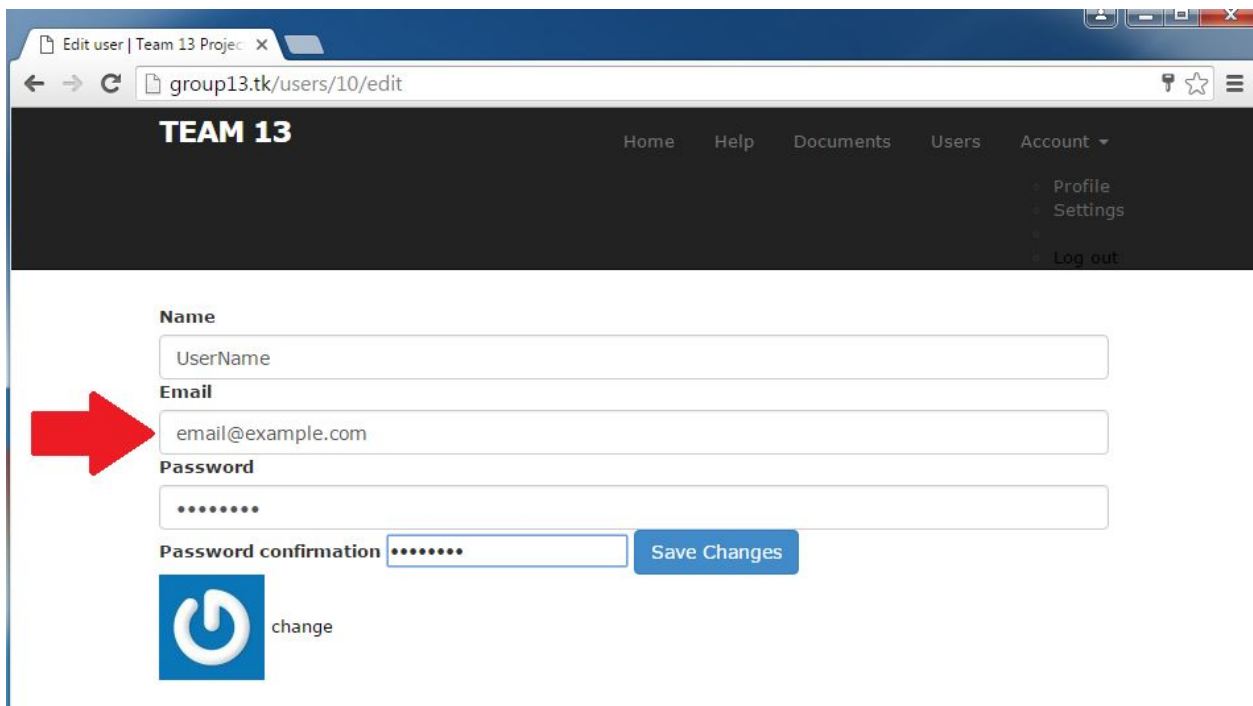
Your new username will now be applied to your account.

2c. Changing Your Email

To change your email account, you must be logged in, then click the “Settings” link.



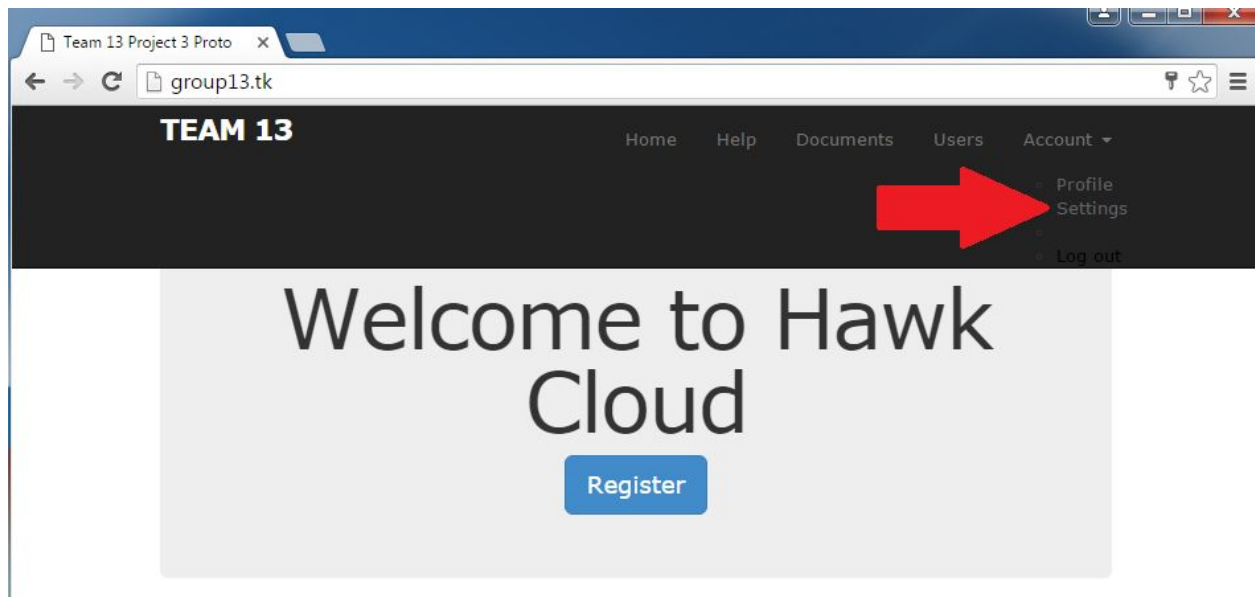
This will take you to the Settings page where you can access any information about your account that you can change. Edit the “Email” field to whatever you want your new email account to be, then click the “Save Changes” button.



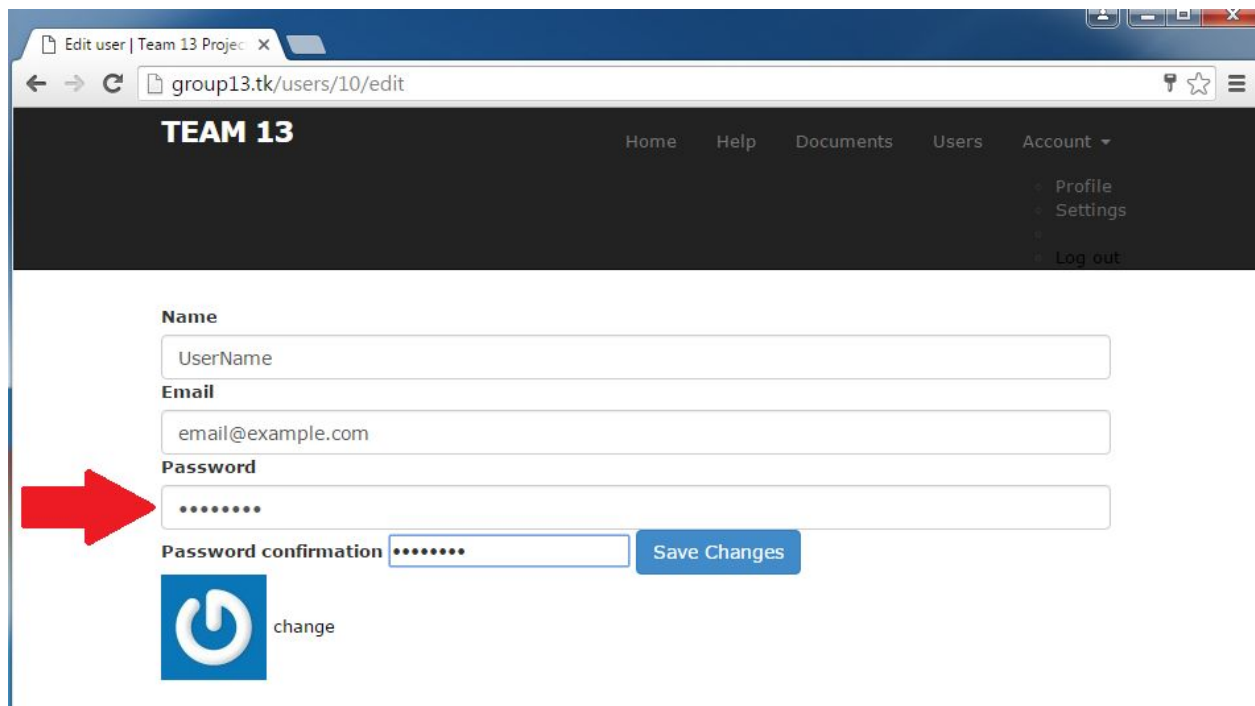
Your new email account will now be linked to your account.

2d. Changing Your Password

To change your password, you must be logged in, then click the “Settings” link.



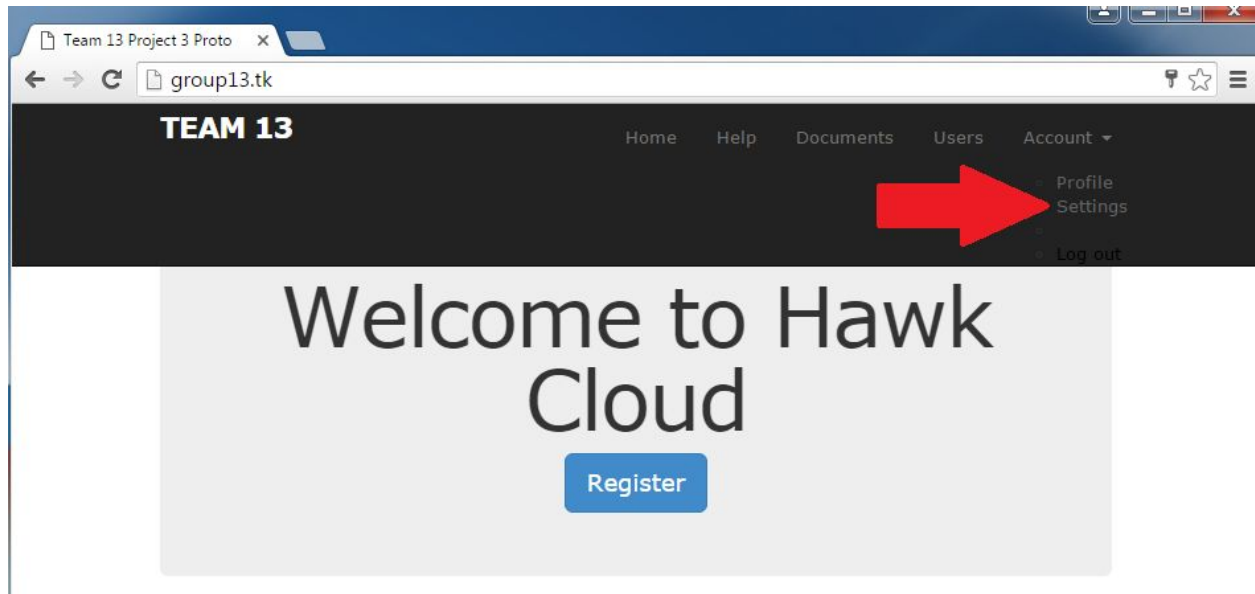
This will take you to the Settings page where you can access any information about your account that you can change. Edit the “Password” field to whatever you want your new password to be, and re-type the same password in the “Password confirmation” field. Then click the “Save Changes” button.



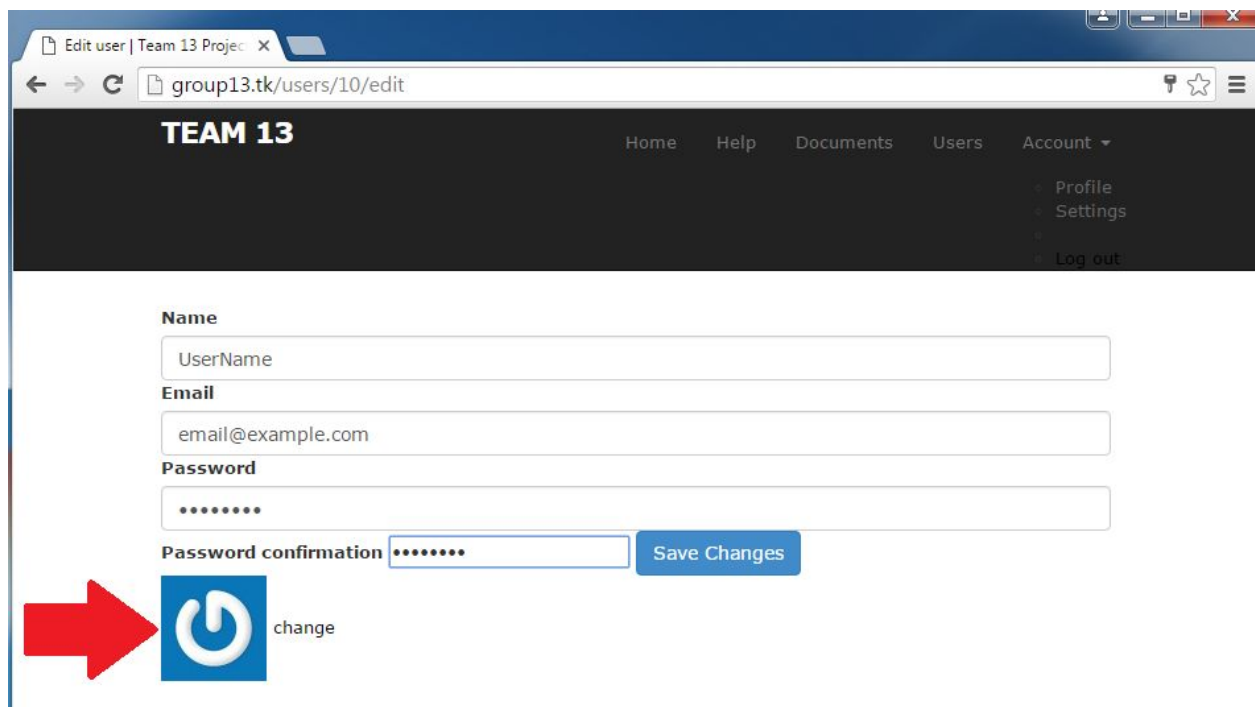
Your new password will now be applied to your account.

2e. Changing Your Avatar

To change your Avatar, you must be logged in, then click the “Settings” link.

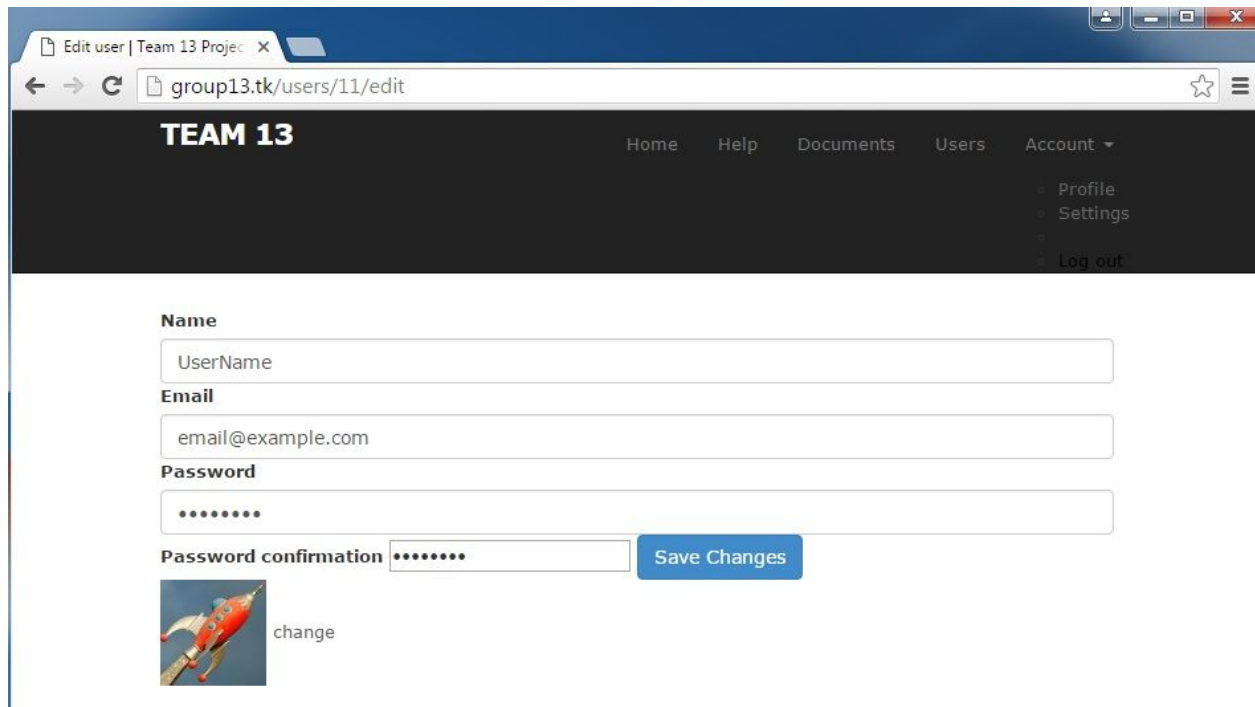


This will take you to the Settings page where you can access any information about your account that you can change. Click on the “change” link next to your current avatar.



This will link you to the Gravatar selection page hosted by wordpress.com. For this feature to work, you must have a wordpress.com account with the same email that you have

registered to your Hawk Cloud account. You can then select any image you wish using the Gravatar selection process and link it to an email address. It will automatically show up on the Hawk Cloud as your new avatar from this point onward.



Edit user | Team 13 Project X

group13.tk/users/11/edit

TEAM 13

Home Help Documents Users Account ▾

- Profile
- Settings
- Log out

Name

UserName

Email


email@example.com

Password

.....

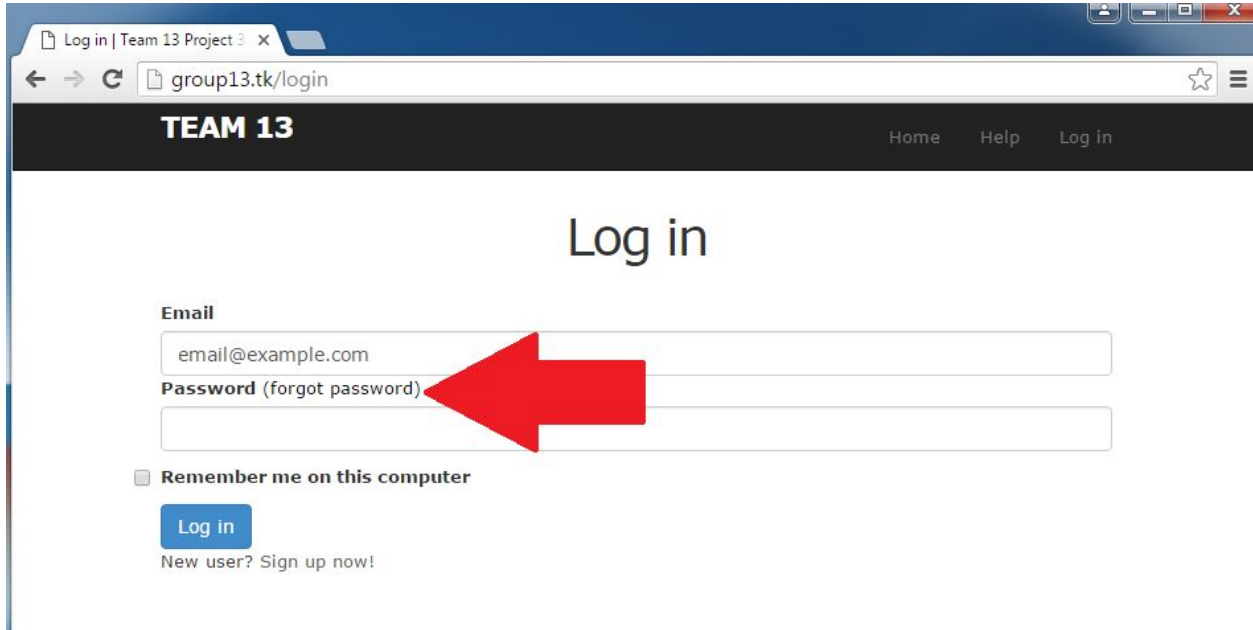
Password confirmation

[Save Changes](#)

 [change](#)

2f. Recovering a Lost Password

If you don't remember your password for any reason, you can use the Hawk Cloud recovery tool to set a new password for your account. First you must click on the "forgot password" link on the Log in screen.



Log in

Email
email@example.com

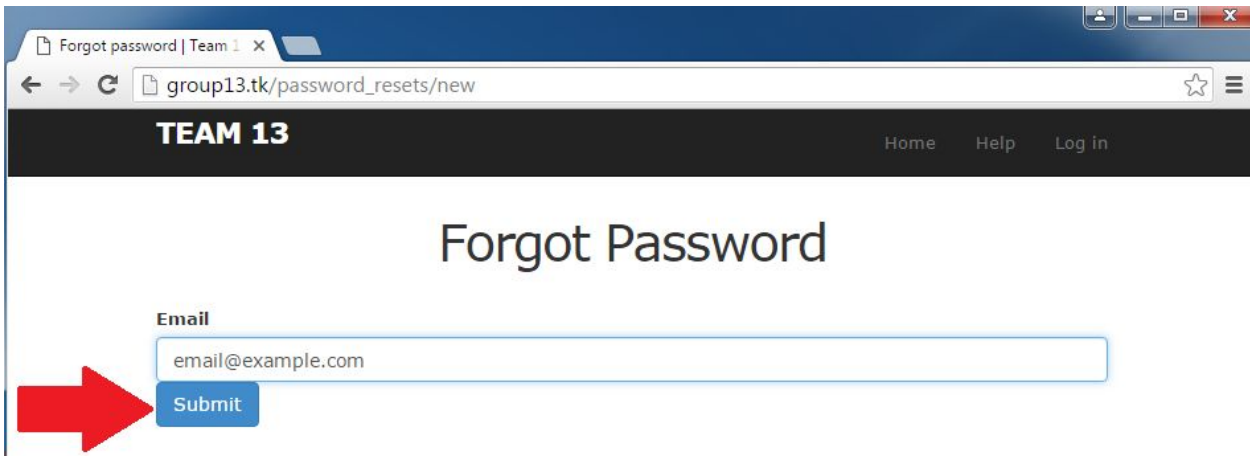
Password (forgot password)

☐ Remember me on this computer

Log in

New user? Sign up now!

That will take you to the Forgot Password page, which is where you enter the email account registered to your Hawk Cloud account. Type in your email and click the "Submit" button. This will send a password reset email to the registered email address.



Forgot Password

Email
email@example.com

Submit

In your email inbox you will see a password reset email from the Hawk Cloud email address. Click the "Reset password" link in the body of the email to take you to the Reset Password page.

Password reset Inbox x  

 **group13proj4@yahoo.com** 11:29 PM (0 minutes ago) ☆  
to me ▾

Password reset

To reset your password click the link below:

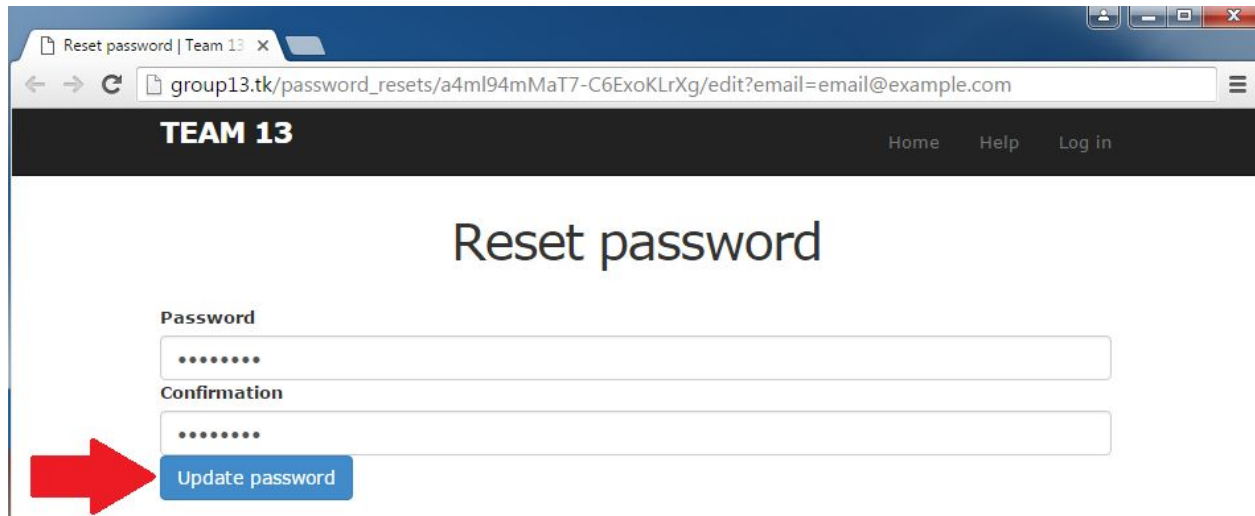
[Reset password](#)



This link will expire in two hours.

If you did not request your password to be reset, please ignore this email and your password will stay as it is.

On the Reset password page, enter your new password and re-enter the same password in the password confirmation field then click “Update password” to complete the password reset.



Reset password | Team 13 x

group13.tk/password_resets/a4ml94mMaT7-C6ExoKLrXg/edit?email=email@example.com

TEAM 13 Home Help Log in


Reset password

Password

.....

Confirmation

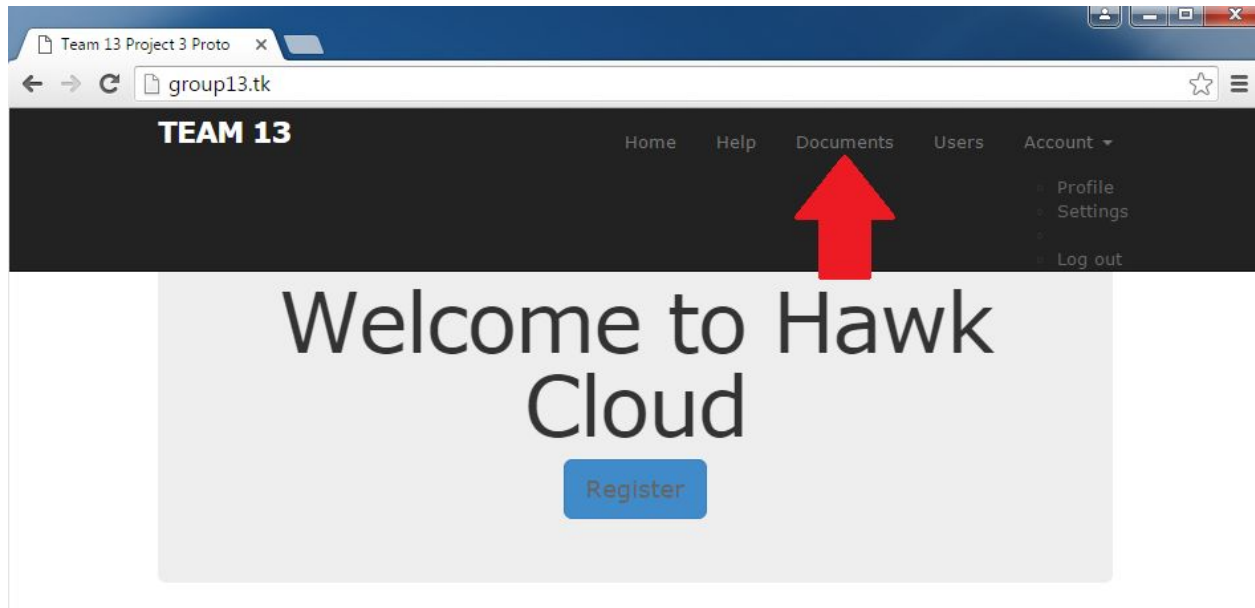
.....

 **Update password**

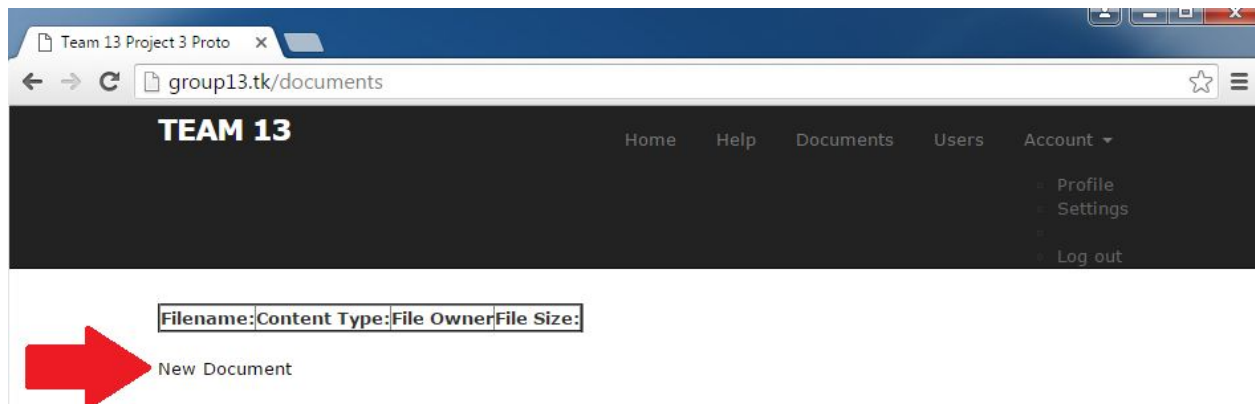
You have now reset the password to your account to this new password and can log in with your same email and new password credentials.

3. Uploading a File

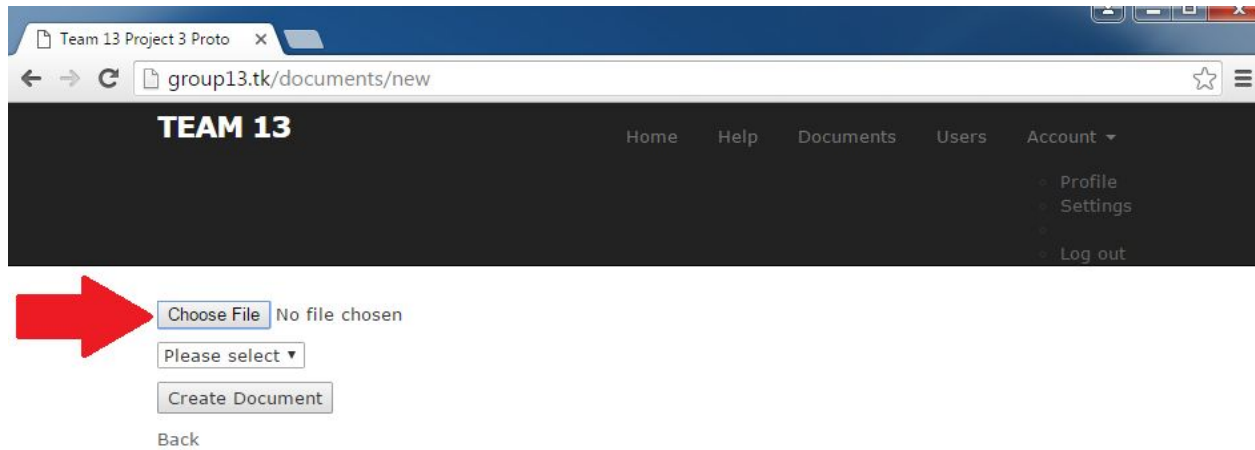
To upload a new file click on the “Documents” link on the navigation bar.



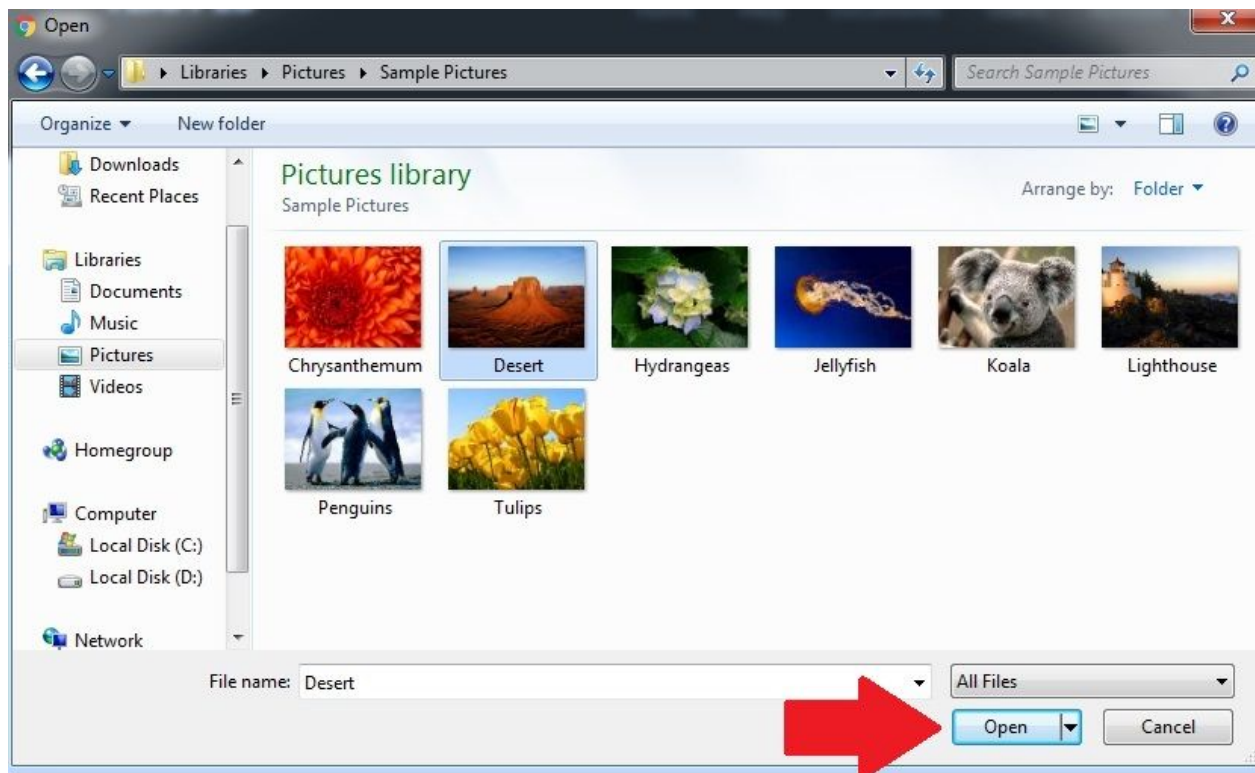
This will take you to the Documents page where you can upload and download your files. To upload a file, click the “New Document” link. This will take you to the document creation page.



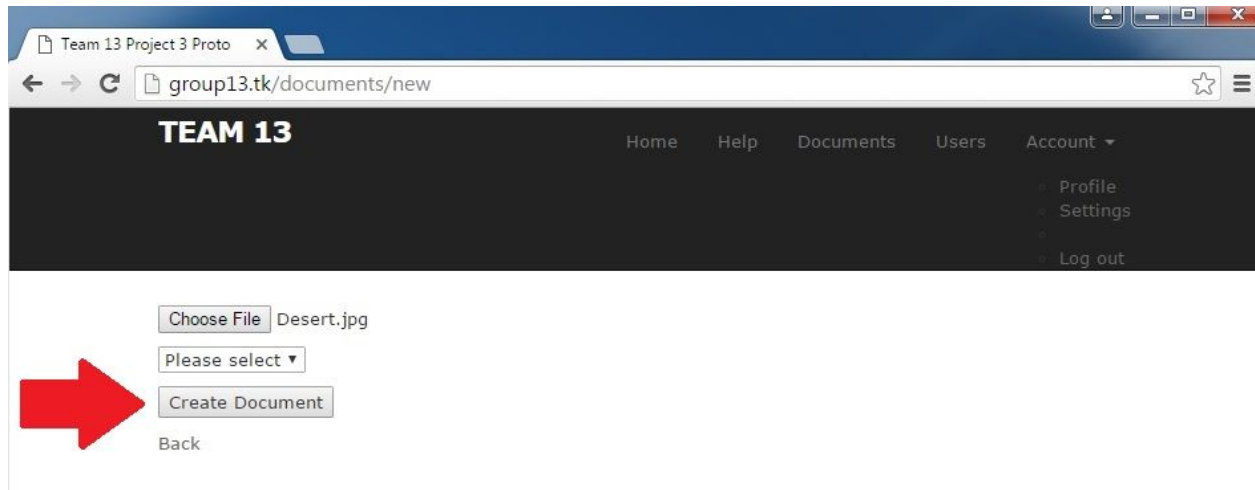
On the document creation page, click the “Choose File” button. This will open up another window in your browser to let you select files from your local machine.



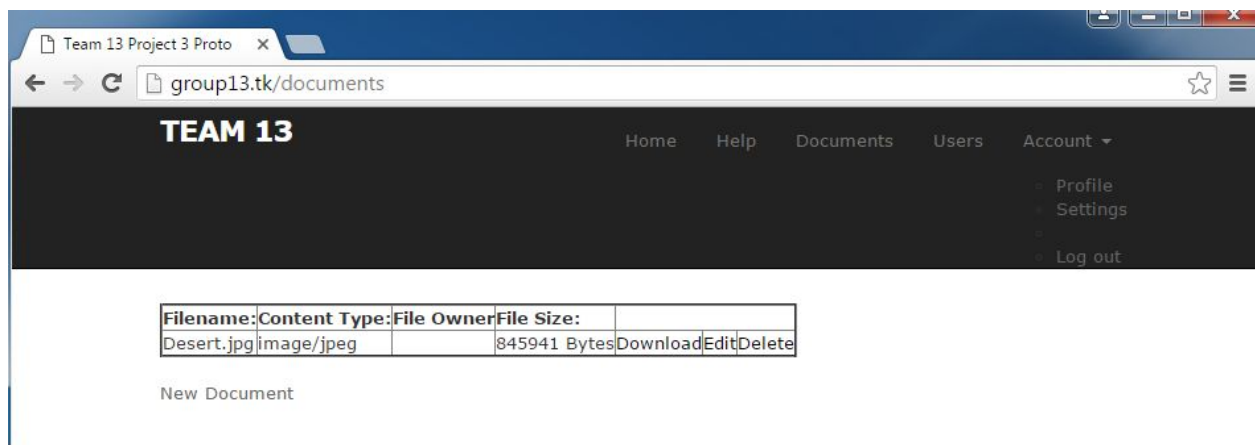
You can select any file of any type. In the example here, we are selecting an image to upload to the Hawk Cloud. After selecting the file you want to upload, click the “Open” button to return to the Hawk Cloud document creation page.



Now you can click the “Create Document” button and the file will upload to the Hawk Cloud.



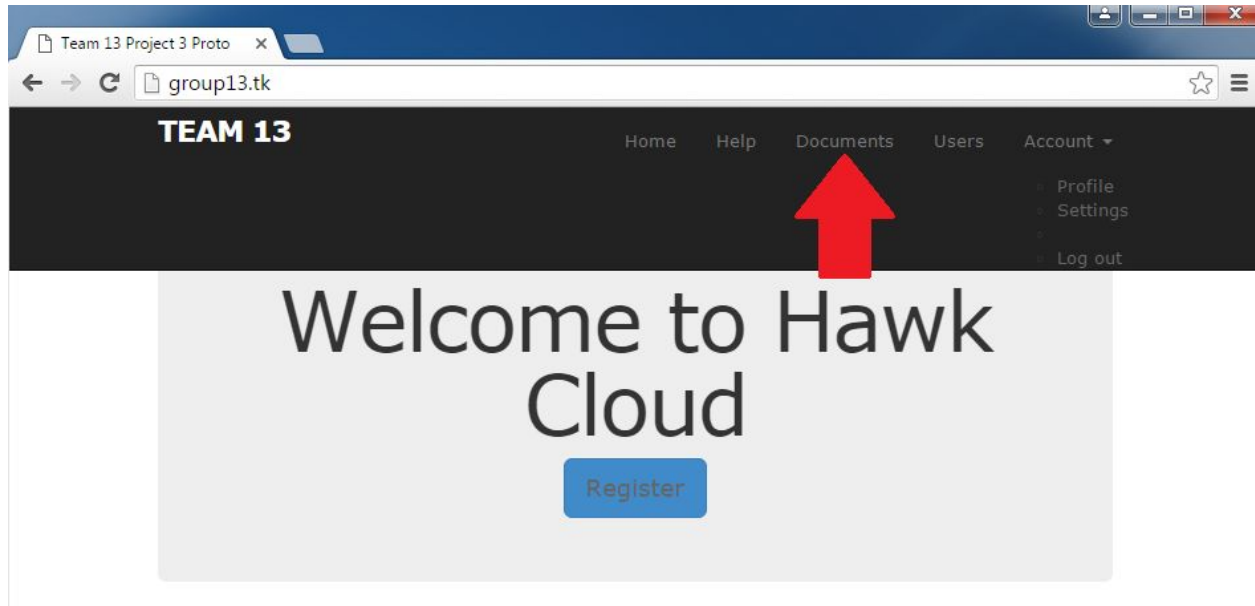
You can continue to upload files by repeating the steps up til now. Otherwise you can click the "Back" link to view the files you have on the Hawk Cloud.



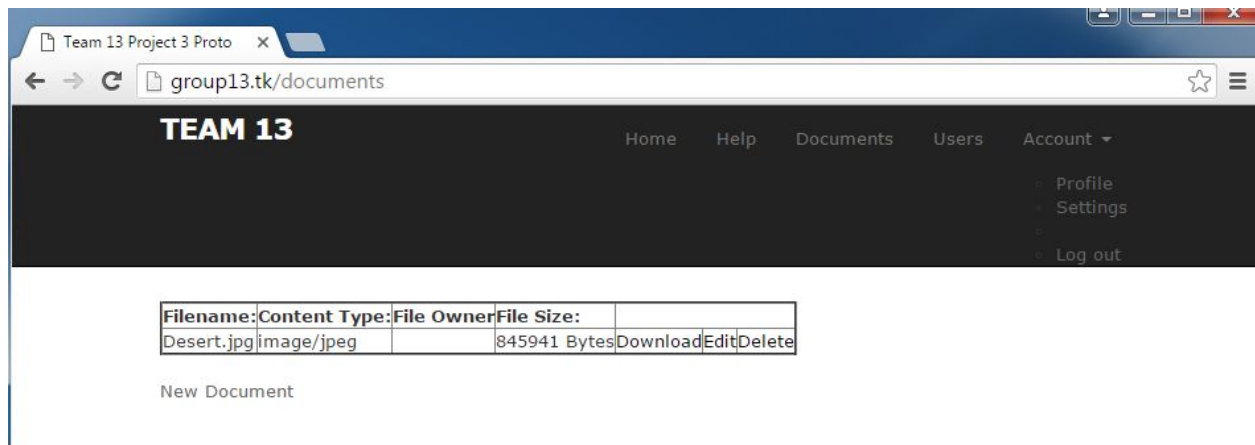
As you can see, the `Desert.jpg` image we uploaded is listed in the Hawk cloud files.

4. Downloading a File

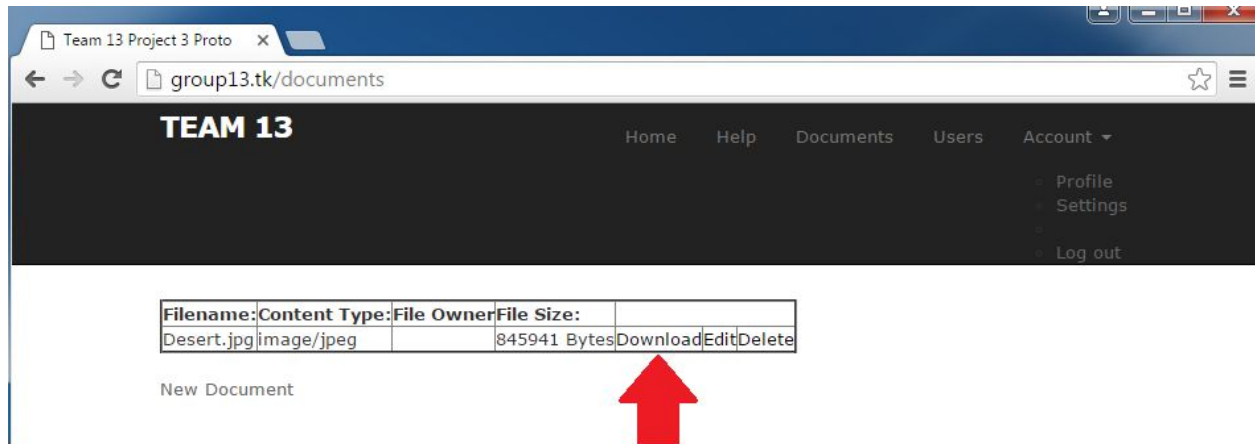
To download a file off the Hawk Cloud, click on the “Documents” link on the navigation bar.



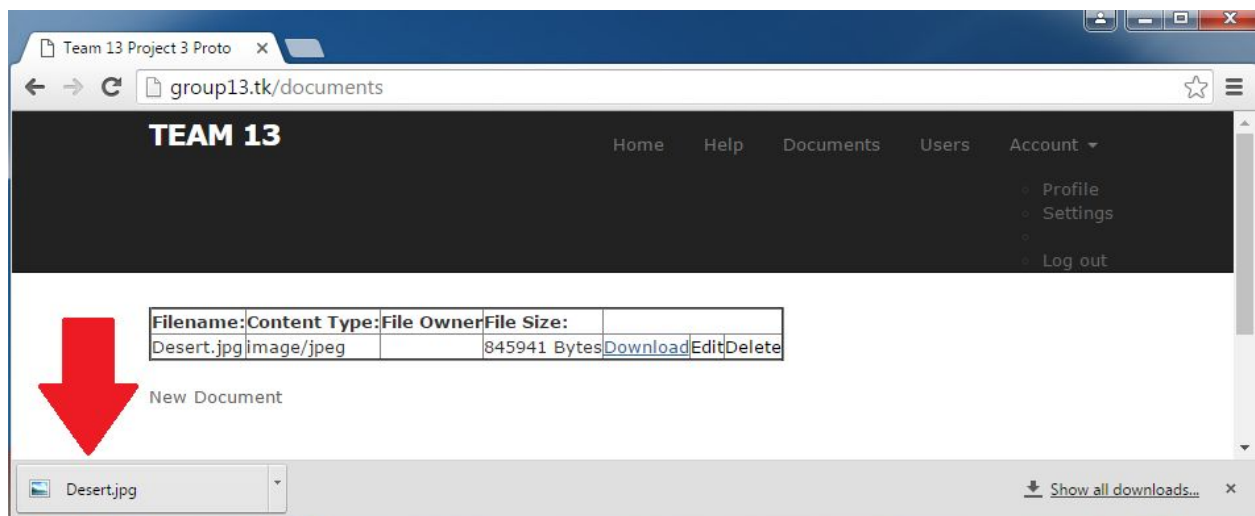
This will take you to the Documents page which lists all files on the server for your account.



In the how to upload a file section of this user manual, we uploaded an image called `Desert.jpg` as you can see in the file list. To download this file to your local machine, simply click the “Download” link in the same row as the file.



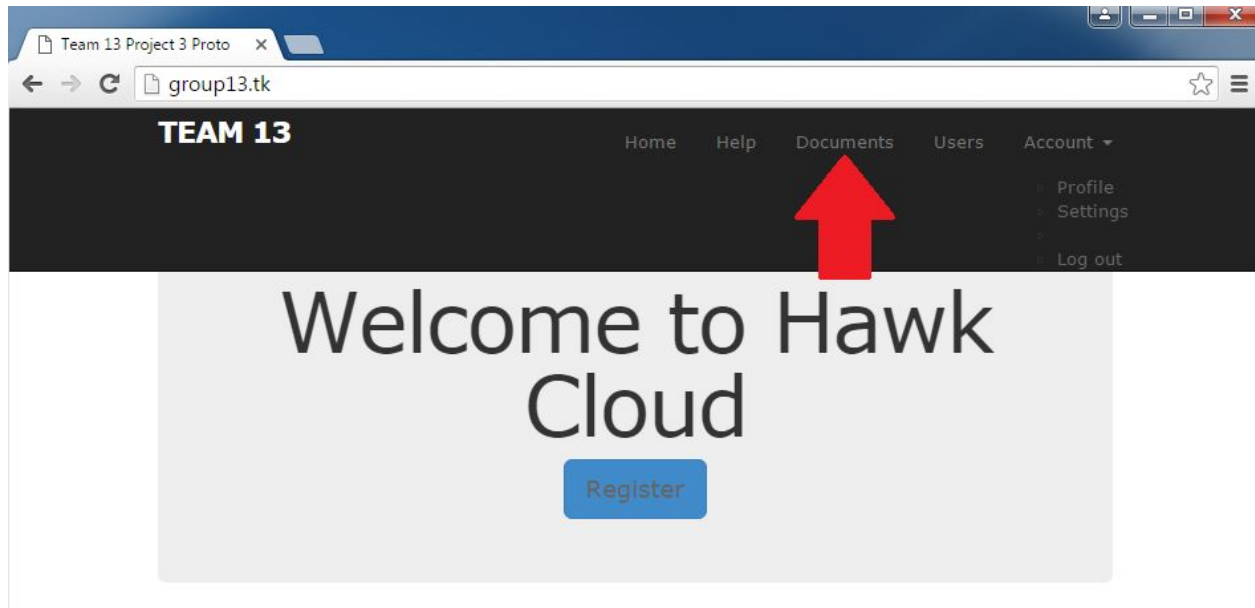
This will use your browser's download functions to download the file by whatever means you have set to the default. In Google Chrome this saved it to my default download folder and was indicated in the browser by the file popup in the bottom of the window.



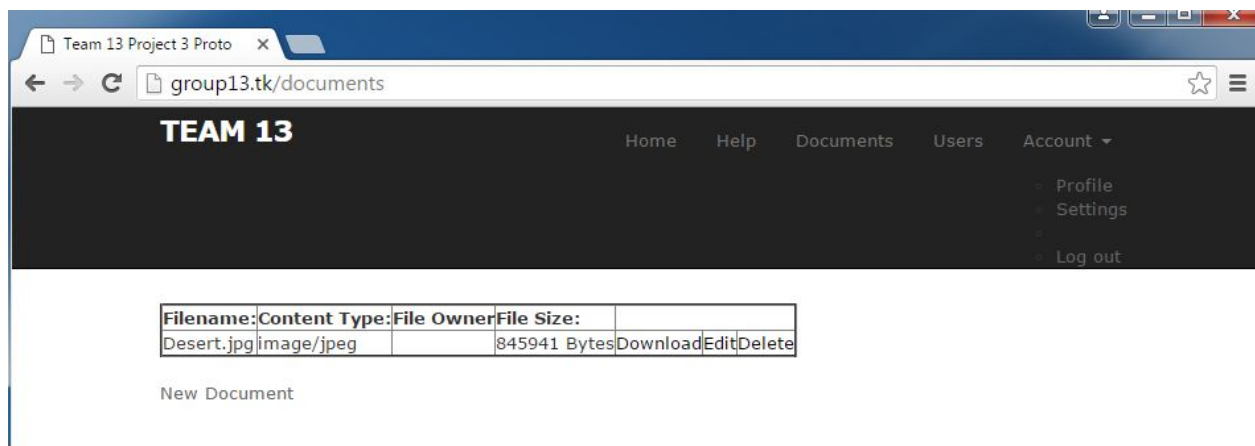
The file is now stored locally on your computer in the download folder specified by the browser.

5. Deleting a File

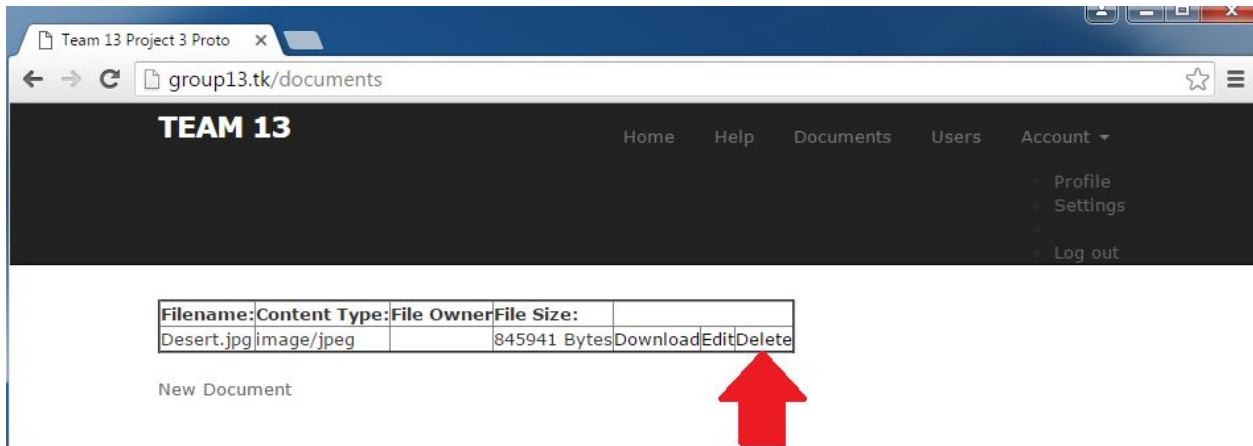
To delete a file off the Hawk Cloud, click on the “Documents” link on the navigation bar.



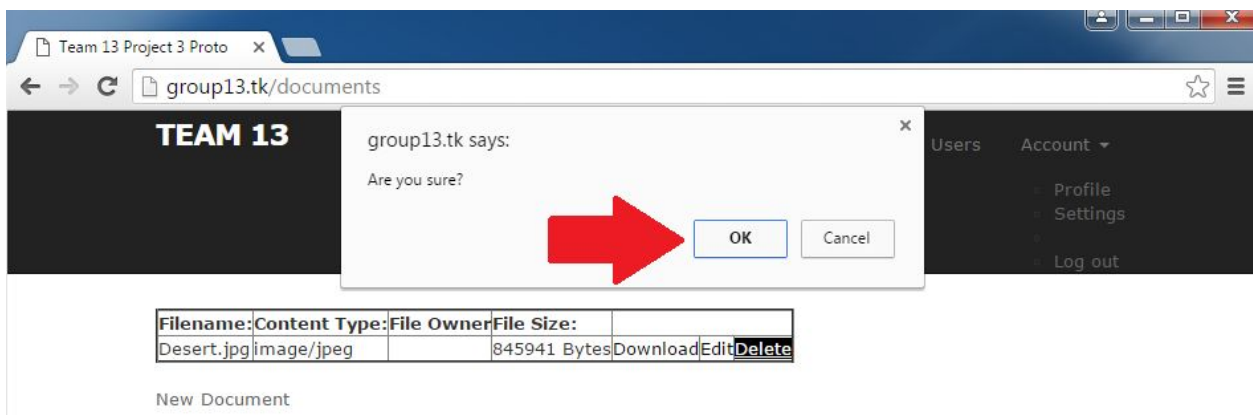
This will take you to the Documents page which lists all files on the server for your account.



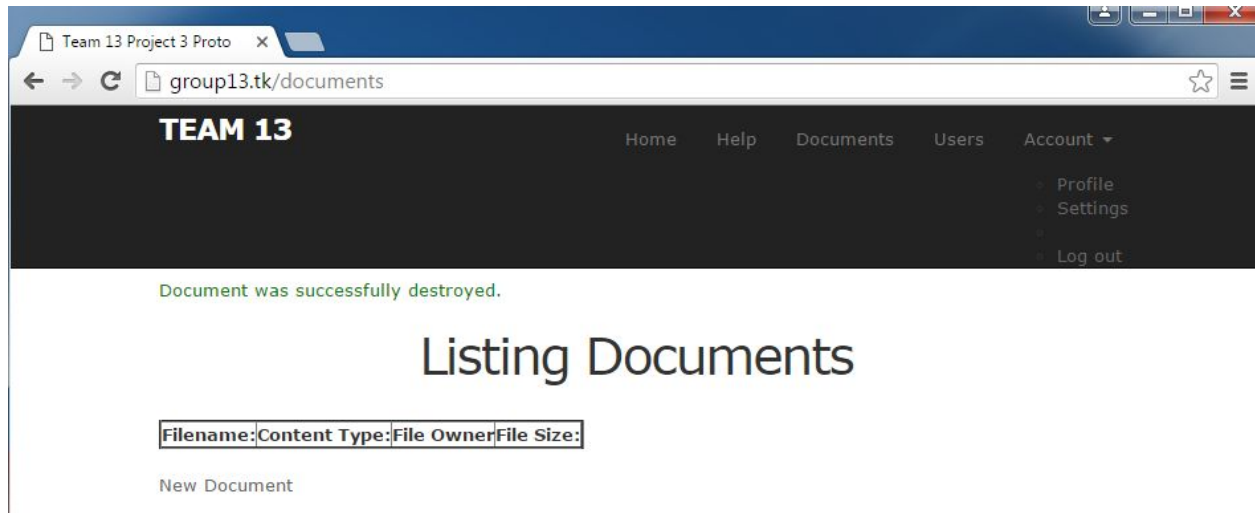
In the how to upload a file section of this user manual, we uploaded an image called `Desert.jpg` as you can see in the file list. To delete this file simply click the “Delete” link in the same row of the file you want to delete.



Upon clicking the “Delete” link, a popup will open asking if you are sure you want to delete the file. If you select “OK”, the file will permanently be deleted from the Hawk Cloud. If you select “Cancel” it will do nothing to the file.



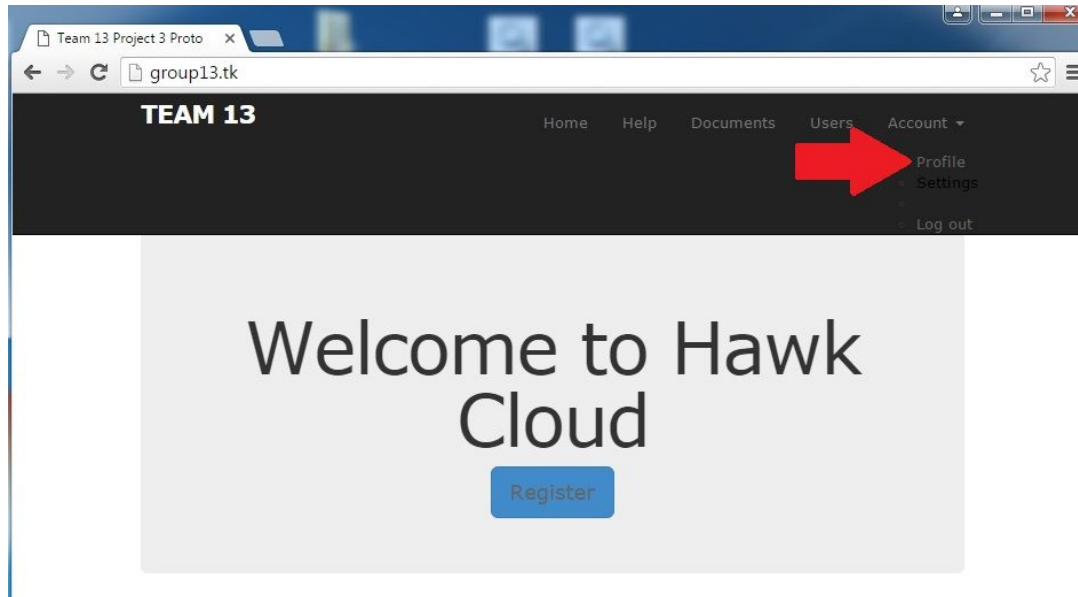
The file will be removed from the file list and Hawk Cloud will give you a message about the successful deletion of the file from the server on the Listing Documents page.



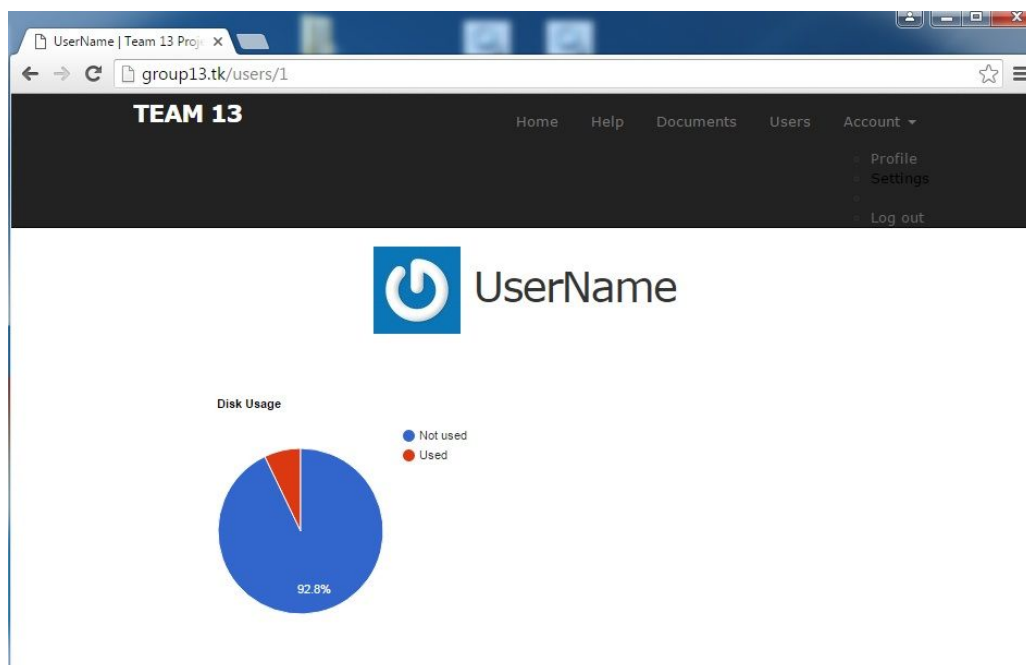
For our example, we only had one file. We can verify that the file no longer exists because the list of files is empty and we do indeed have the message indicating the file was successfully destroyed.

6. Checking User Data Quota

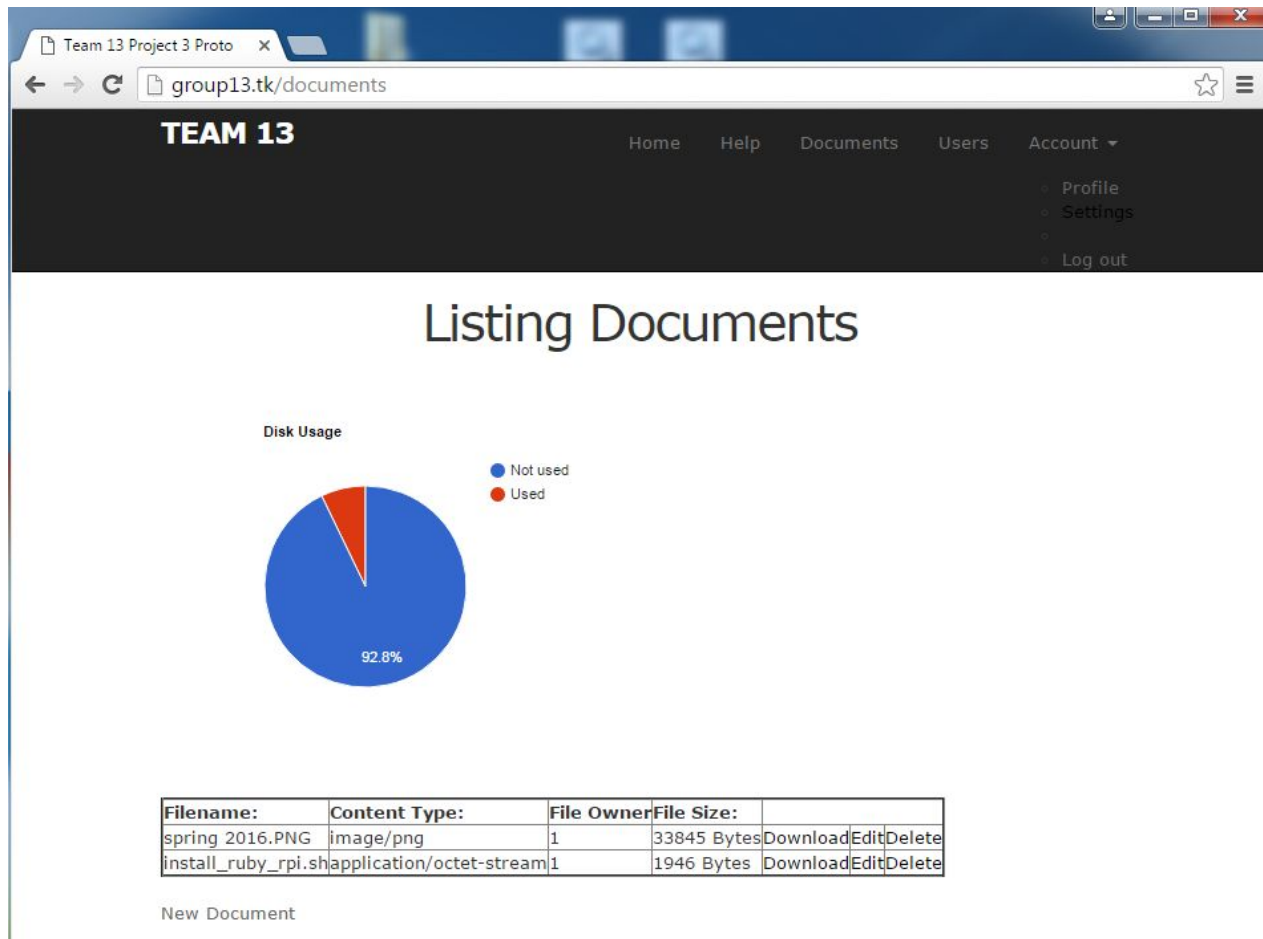
To check the amount of allotted space you are using, you can select the profile link in the navigation bar.



This will take you to your account profile. You can see how much space you are using in red. The blue represents how much space total space you have allocated to your account. You can hover over each of the slices of the pie chart to give more information on the size and percentage of space you are using, and what is available.



Aside from the profile page, you can also see your disk usage quota on the Documents page. It will provide you with the same information as the graph on the profile page, but conveniently placed for you to see how much space you are using while uploading or downloading documents.



7. Software License (BSD)

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