

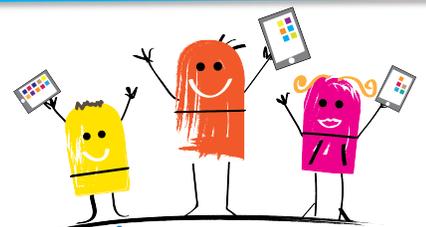


CYBERSAFETY FAMILY ADVICE SUITE USER MANUAL

A PRODUCT OF THE NETSYSCI LAB AT CYPRUS UNIVERSITY OF TECHNOLOGY



Cyprus
University of
Technology



cyber safety
καλύτερο διαδίκτυο για τα παιδιά

User Manual, Cybersafety Family Advice Suite

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CYPRUS UNIVERSITY OF TECHNOLOGY

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1 Introduction

1.1 Scope and Purpose

Cybersafety Family Advice Suite (CFAS) is a collection of cybersafety tools that utilizes machine learning classifiers and other filters to protect children when using online social media.

CFAS makes efforts to follow a privacy preserving approach and keep the children fully aware of what their parents and what the tools can monitor, filter, and analyze about their online activity. The child is always aware of any information the parent or the tool can have over his/her activities in online social media. The parent is able to set the settings for the child's cybersafety, the parental and backend visibility but the child should give his/her consent in order to set the settings in operation. The settings the parent sets are sent as request to the child to accept or decline.

CFAS uses its architecture to spread awareness to the parents and the children about the various threats they face online. Also, it utilizes the Guardian Avatar approach that provides a more interactive method to advise the children in a direct and user-friendly manner.

CFAS can accurately detect:

1. Cyberbullying in minor's Facebook chat
2. Sexual grooming in minor's Facebook chat
3. Abusive users on Twitter
4. Bot accounts on Twitter
5. Personal information exposure on Facebook
6. Sensitive content in pictures on Facebook
7. Hateful and racist memes on Facebook
8. Disturbing videos on YouTube

CFAS is currently available with Twitter, Facebook and YouTube for the child's interface. The currently available settings in the Parental Console are only for Facebook's online social platform.

The purpose of this user manual is to guide the users (parents and minors) to install and set up the CFAS and to explain in a step-by-step notion all the available actions the minor/parent can take when using the tools.

The manual is consisted of three main sections:

1. CFAS Installation and set-up
2. CFAS Parental Console
3. Browser Add-on with the Guardian Avatar for Children

1.2 Required user knowledge

Any user with basic IT skills and a low level of experience with social media platforms can use the CFAS tools.

The skill set a parent needs is to be capable to install software on a computer device and be able to use a Web application through a Web Browser.

For the minor, basic skills in using a Web Browser and Web applications are required.

1.3 Required Device Specifications

1.4 CFAS Compatibility

CFAS installer package is compatible with Windows operating system at the moment. Versions for Linux and Mac will be available in the near future.

1.5 CFAS Process Overview

1.5.1 CFAS for parents:

CFAS Parental Console offers all the processes for parents which are described in Section 2.2.

The parent must create an account for the Parental Console in order to use all the functionalities offered by CFAS. Through this account, the parent can configure the settings and receive notifications about child's online-activities where danger is detected.

The parent can add the number of children he/she wants under Parental Console account for whom CFAS will offer safety from online risks. Through this account the level of Parental and Backend visibility and Cybersecurity level can be configured separately for each child.

It is important for the parent to understand that the options he/she sets for the levels will be set on operation only if the child gives his/her permission and at any time the child can erase all the set options (in this case the parent will be notified). By this manner, child's privacy is preserved by CFAS.

Some of the functionalities of CFAS Parental Console are only accessible by the parents when the child has given his/her consent e.g., Details about the wall or the Chat on Facebook.

For each Parental Console's functionality, there is a description in order to let user understand its results and its purpose.

1.5.2 CFAS for children

All the CFAS functionalities available for the child through the browser add-on with the Guardian Avatar are described in Section 2.3.

There is no need for a child to create an account for CFAS; the parent is responsible to add the social media accounts of the child under his/her CFAS Parental Console account. As soon as the parent adds the child under the CFAS Parental Console account and CFAS is installed on the device of the child then

After setting the Proxy Server in operation, the Guardian Avatar of CFAS will accompany the child in his/her social media activities.

The Guardian Avatar's icon will be visible at some place on the child's screen during the child is active in social media networks. In cases of detecting an online risk or a suspicious online activity the Guardian Avatar will notify the child through a pop up bubble and convince him/her how to react to those events accordingly.

The child through the Guardian Avatar and its settings can find the options set by his/her parent through the CFAS Parental Console as pending requests and decide to accept/reject them. In that manner the child is aware about what the parent, the backend can see and the cybersecurity settings set for his/her account.

Notifications will be sent to the parent and messages will be shown to the child based on the options set by the parent and agreed by the child.

2 CFAS Processes

This section consists of all the processes and functionalities of CFAS. The processes are grouped in 3 major subsections:

1. CFAS installation and set-up
2. CFAS Parental Console
3. Browser Add-on with the Guardian Avatar for Children

2.1 CFAS installation and set-up

This section describes the workflow of installing and setting up CFAS in a step-by-step notion. The installation and set-up must be carried by the parent or the custodian.

The installation process consists of the following three main steps that will be further explained in this section:

1. Download CFAS installer package
2. Install CFAS on parent device
3. Install CFAS on minor's device

2.1.1 Download CFAS installer package

1. Visit the following URL:
https://encase.socialcomputing.eu/software_and_demos
2. Download the file "CFAS.zip" and save it in a folder of your choice
3. Go to the folder you saved the file
4. Unzip the file by right click on the file and select "Extract to /CFAS"

5. Open CFAS folder, you can now see the files listed in the following image

Name	Date modified	Type	Size
 Encase_Parental_Console	04/01/2021 1:29 pm	File folder	
 iwp_api	09/02/2021 2:06 pm	File folder	
 mitmproxy	25/01/2021 5:17 pm	File folder	
 pythonCFAS	08/02/2021 6:00 pm	File folder	
 setups	08/02/2021 6:00 pm	File folder	
 installCFAS	10/02/2021 10:10 am	Windows Batch File	2 KB

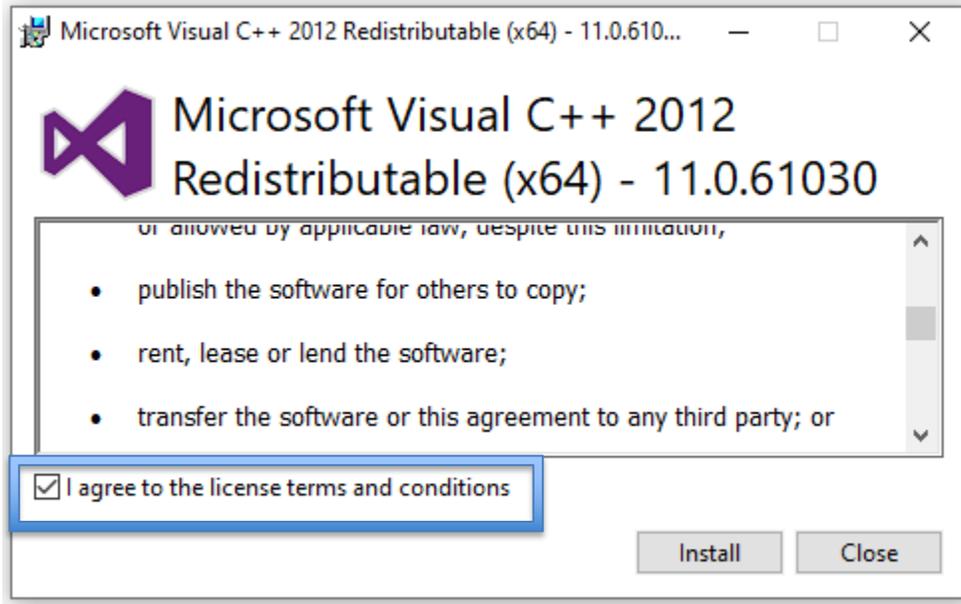
2.1.2 Install CFAS on parent's device

1. Go to the folder "CFAS"
2. Right click on the file "installCFAS.exe" and select "Run as admin"

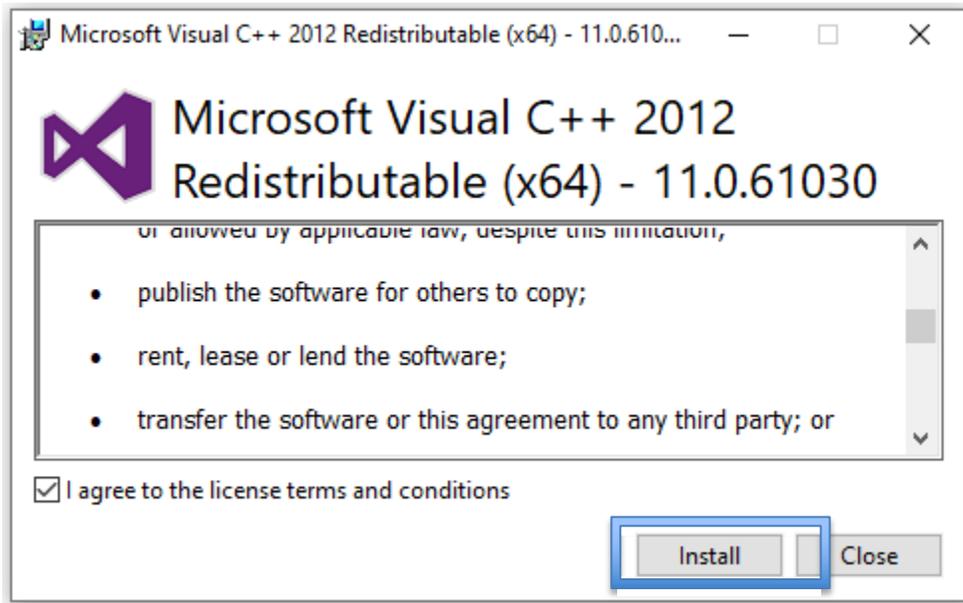
Name	Date modified	Type	Size
 Encase_Parental_Console	04/01/2021 1:29 pm	File folder	
 iwp_api	09/02/2021 2:06 pm	File folder	
 mitmproxy	25/01/2021 5:17 pm	File folder	
 pythonCFAS	08/02/2021 6:00 pm	File folder	
 setups	08/02/2021 6:00 pm	File folder	
 installCFAS	10/02/2021 10:10 am	Windows Batch File	2 KB

By executing “installCFAS.exe”, it will install all the required software for the CFAS, beginning with “Microsoft Visual C++”.

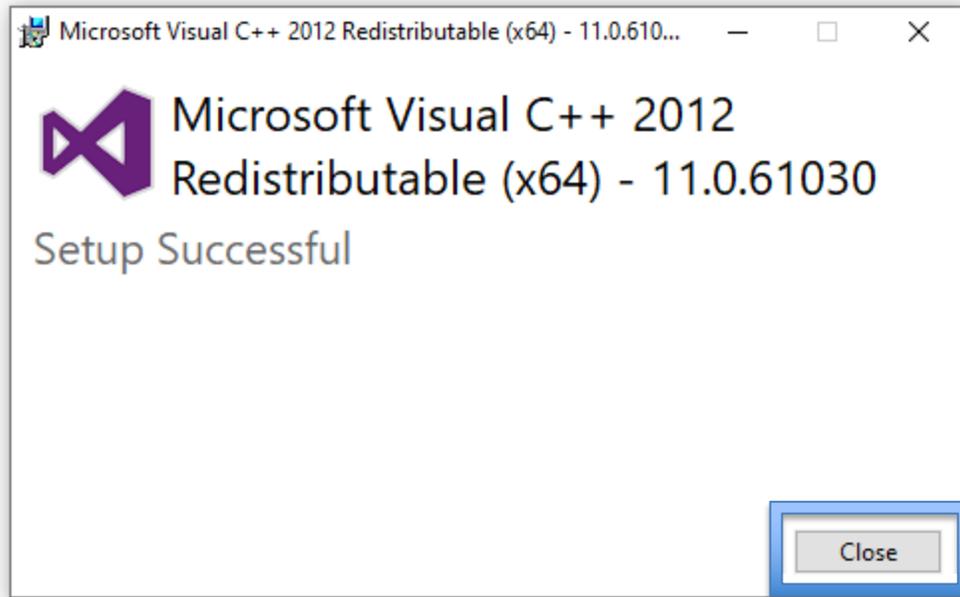
For each software installation; the installation wizard window will appeared on the screen, follow the instructions to complete the installation process.



3. Check the “I agree to the license terms and conditions” check box

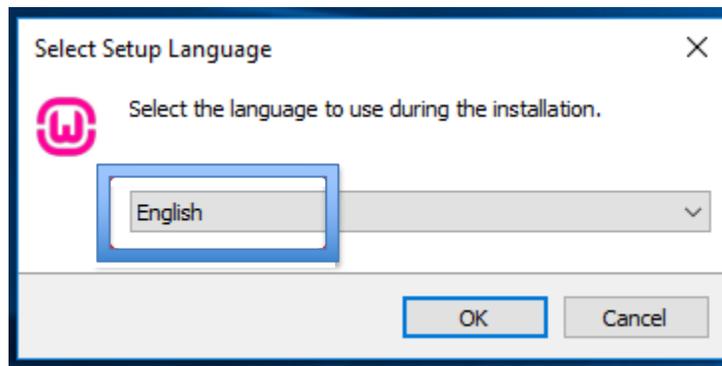


4. Click on the “Install” button and wait for the installation to be completed (as shown in the following image).

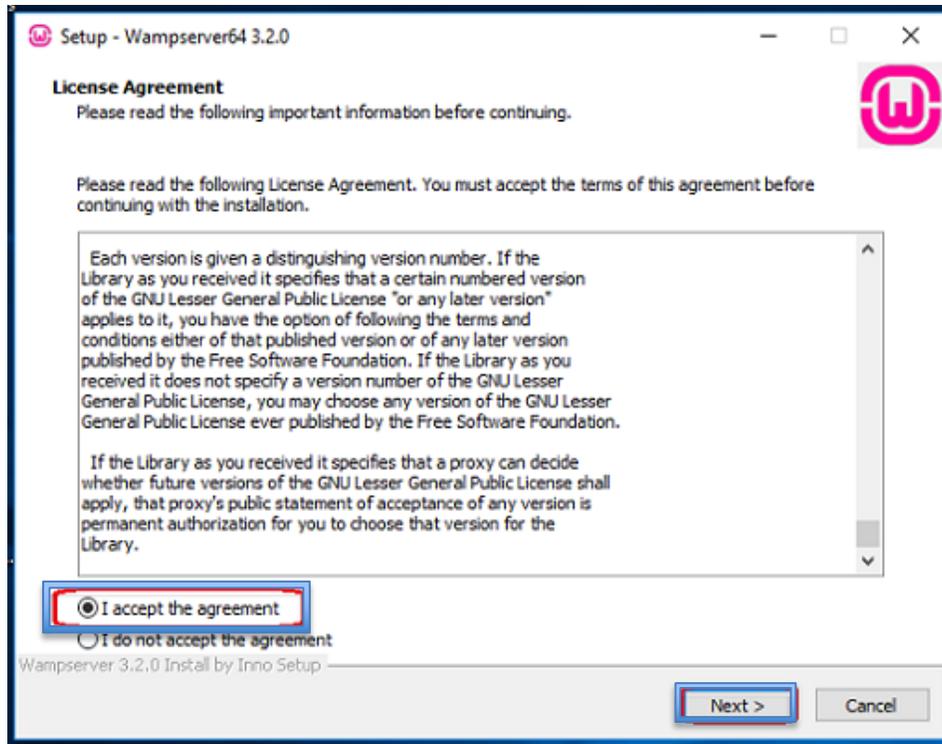


5. Click on the button "Close"

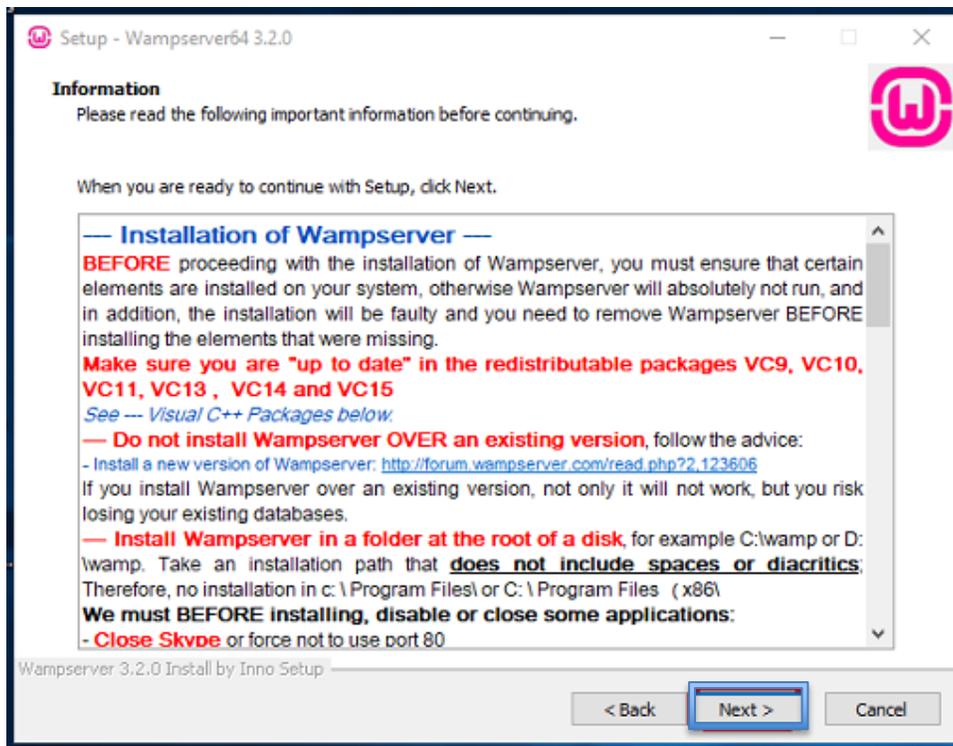
The installation wizard window of Wamp Server will appear on the screen



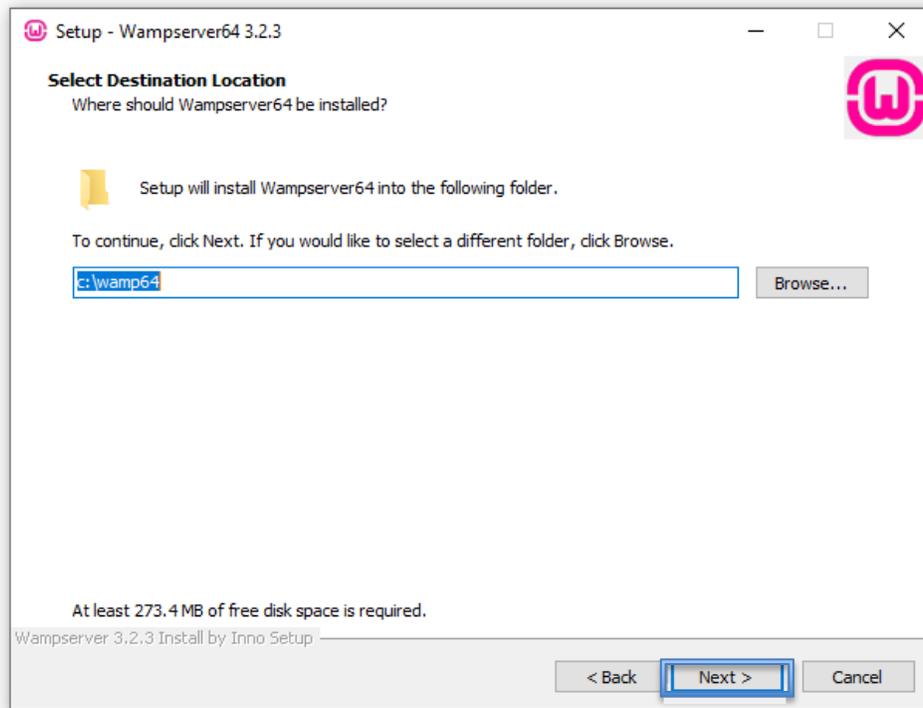
6. Select your preferred language and click on the "OK" button



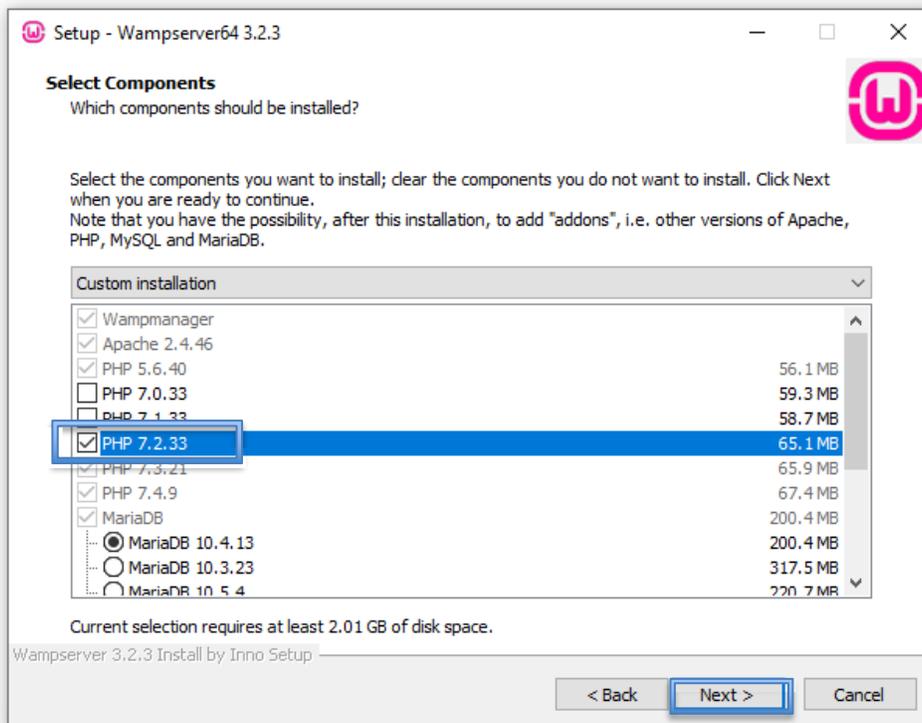
7. Click on the radio button “I accept the agreement” and then click on the button “Next”



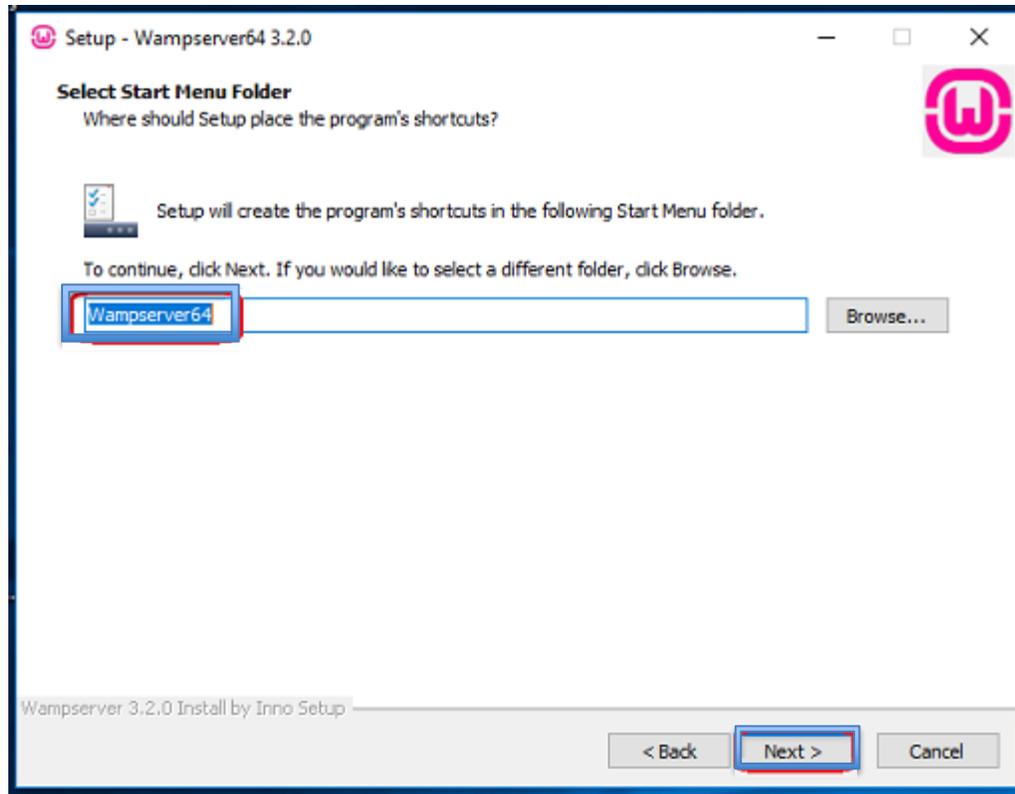
8. Click on the button “Next”



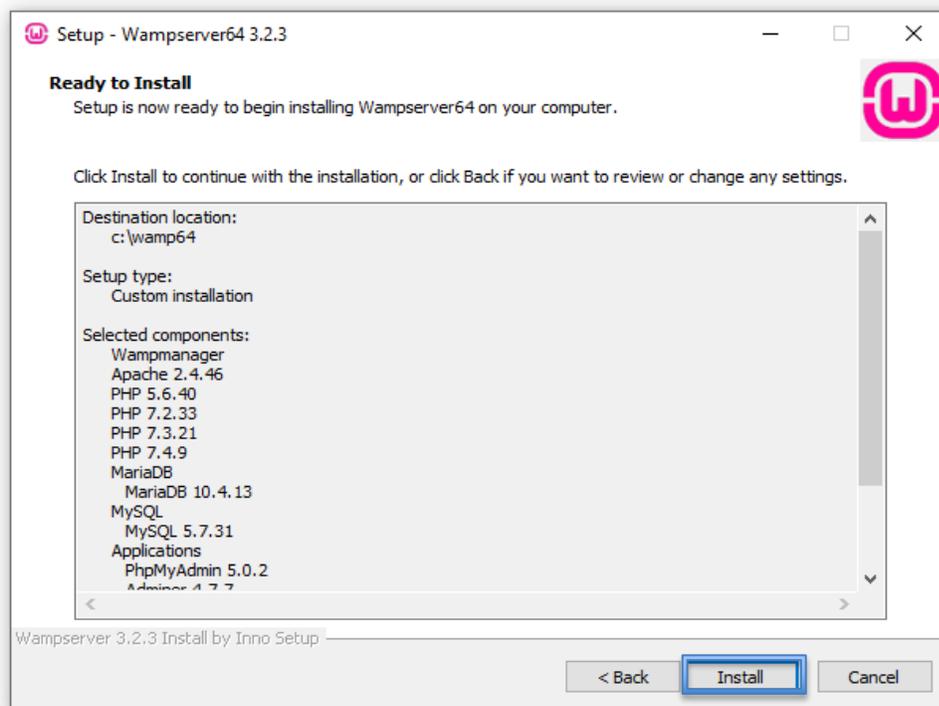
9. Choose a location (folder) to install the WAMP server (or keep the default) and click on the "Next" button



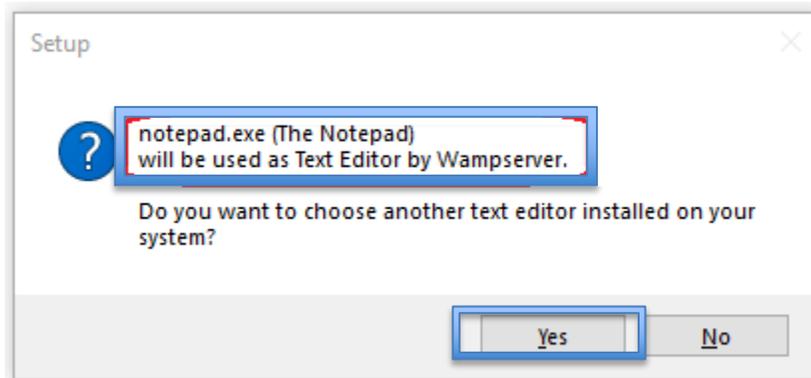
10. Select the latest PHP version available and click on the "Next" button.



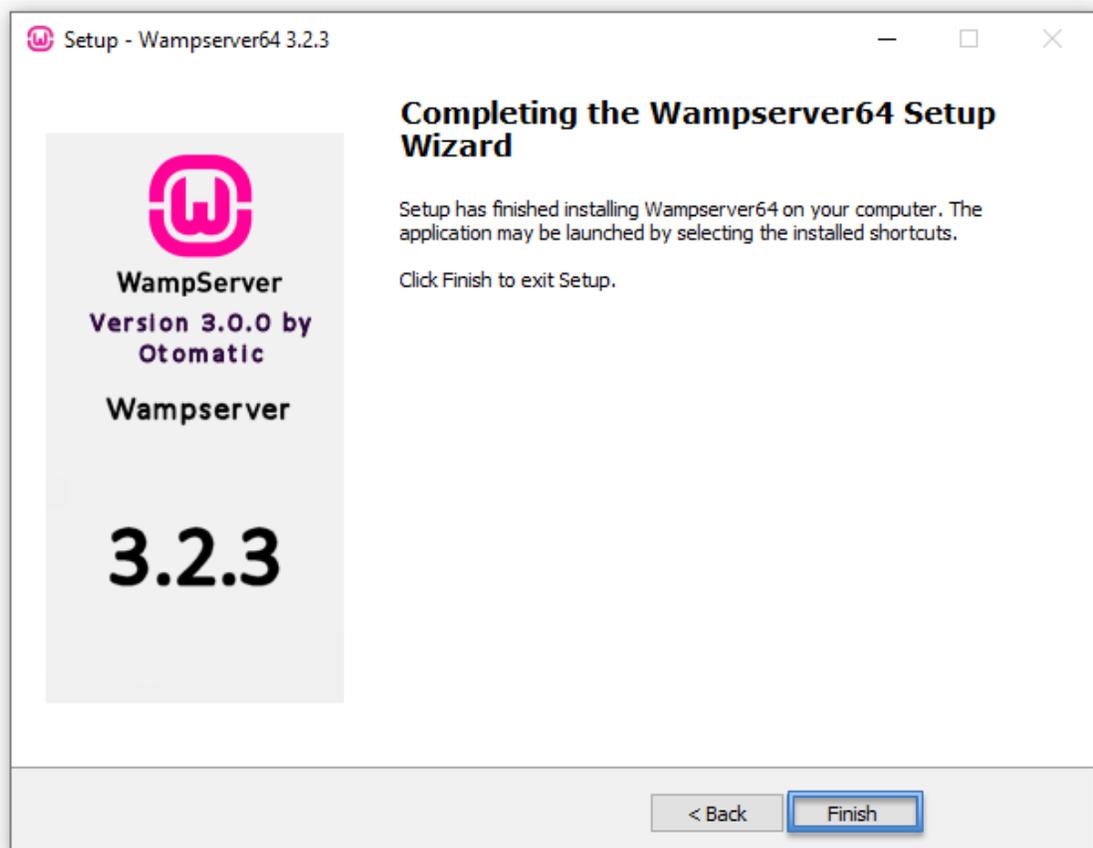
11. Select a start menu folder or keep the default one and click on the “Next” button



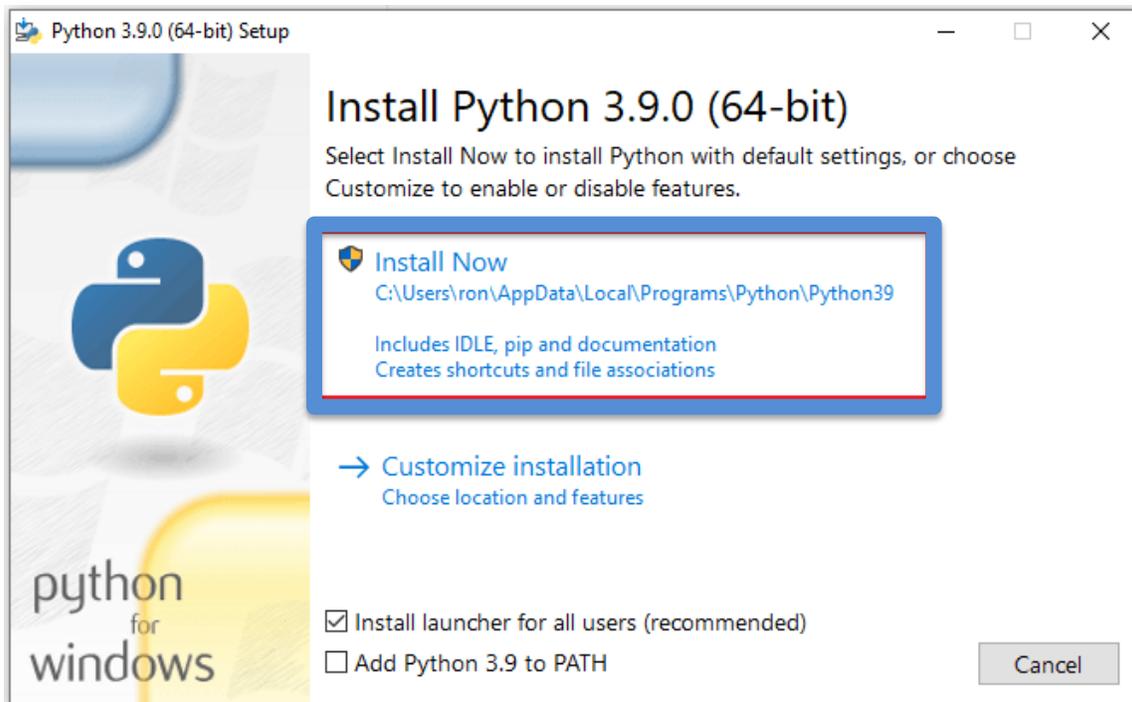
12. Click on the “Install” button.



13. Keep the default browser and text editor for the Wamp sever by clicking “Yes” on the prompt messages

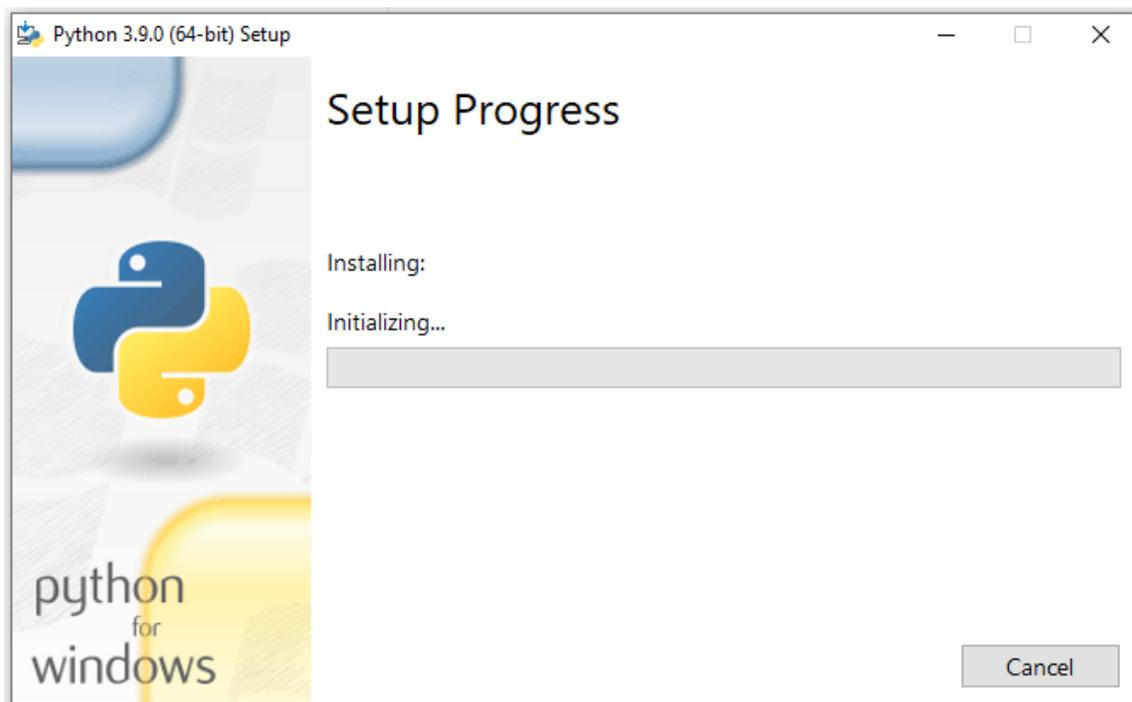


14. Click on the button “Finish” to start the installment

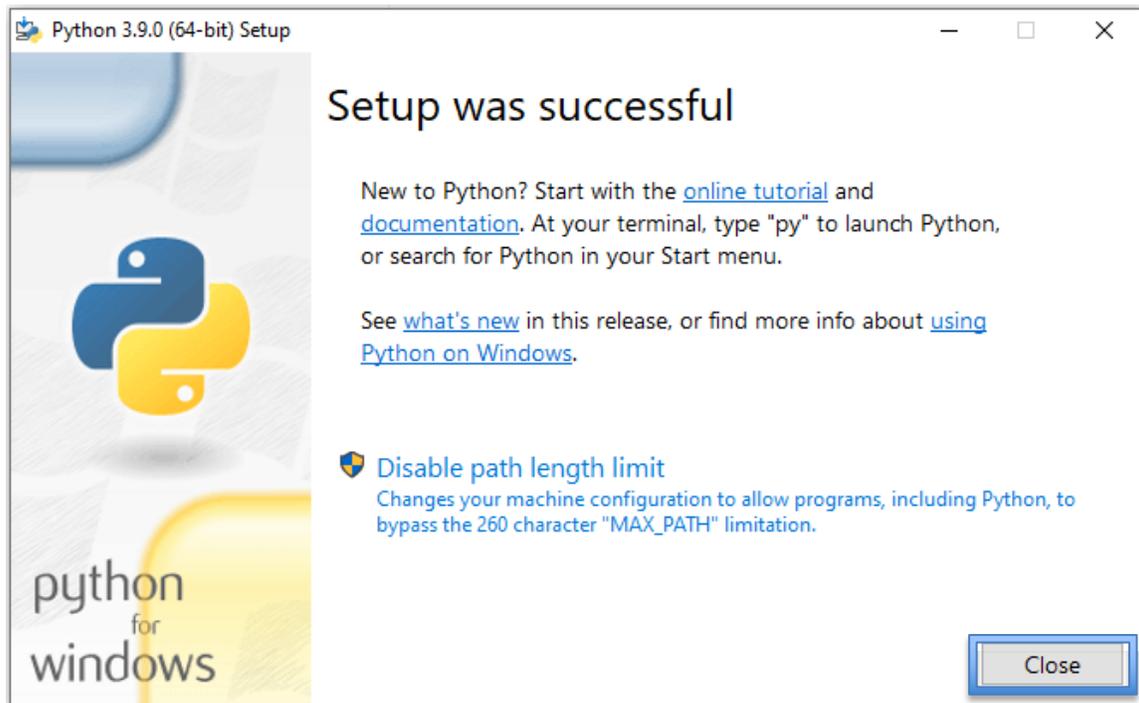


15. After completing Wamp installation, Python installation wizard will appear. Click on "Install Now"

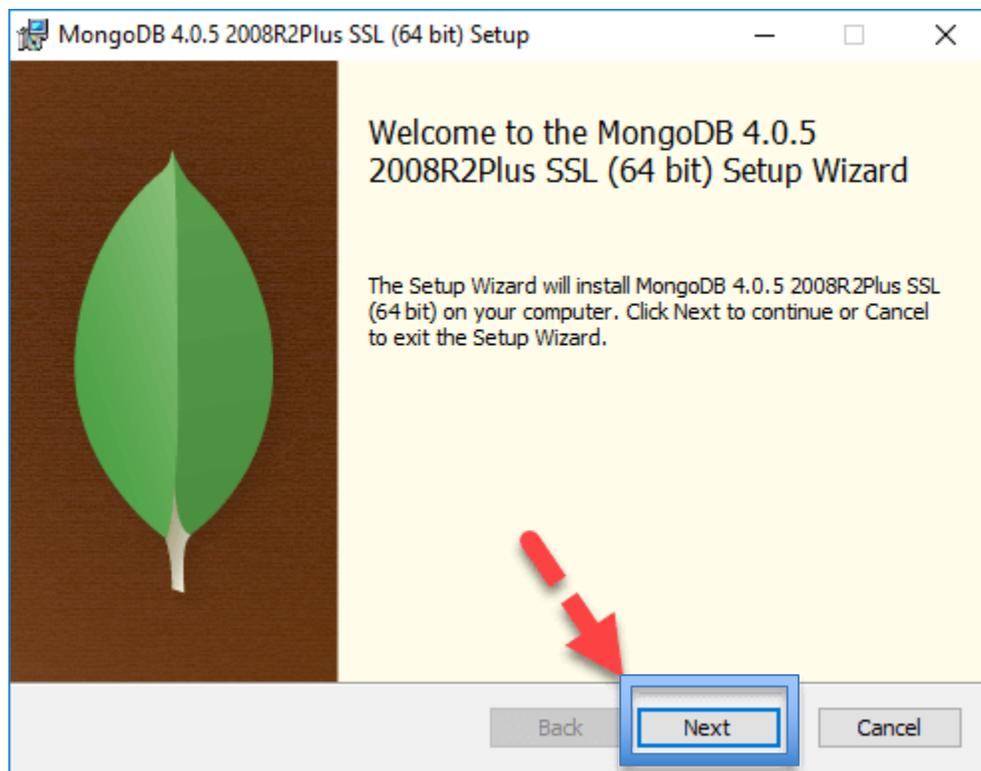
The installation should begin as shown in the following image



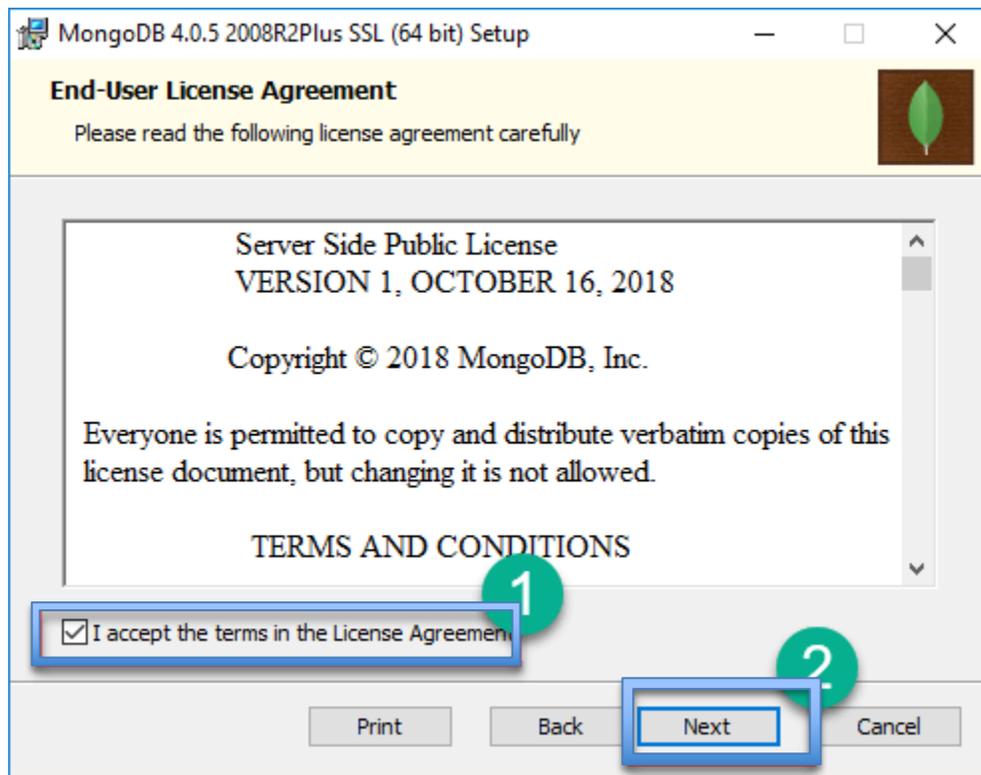
When the installation will be completed as shown in the following image:



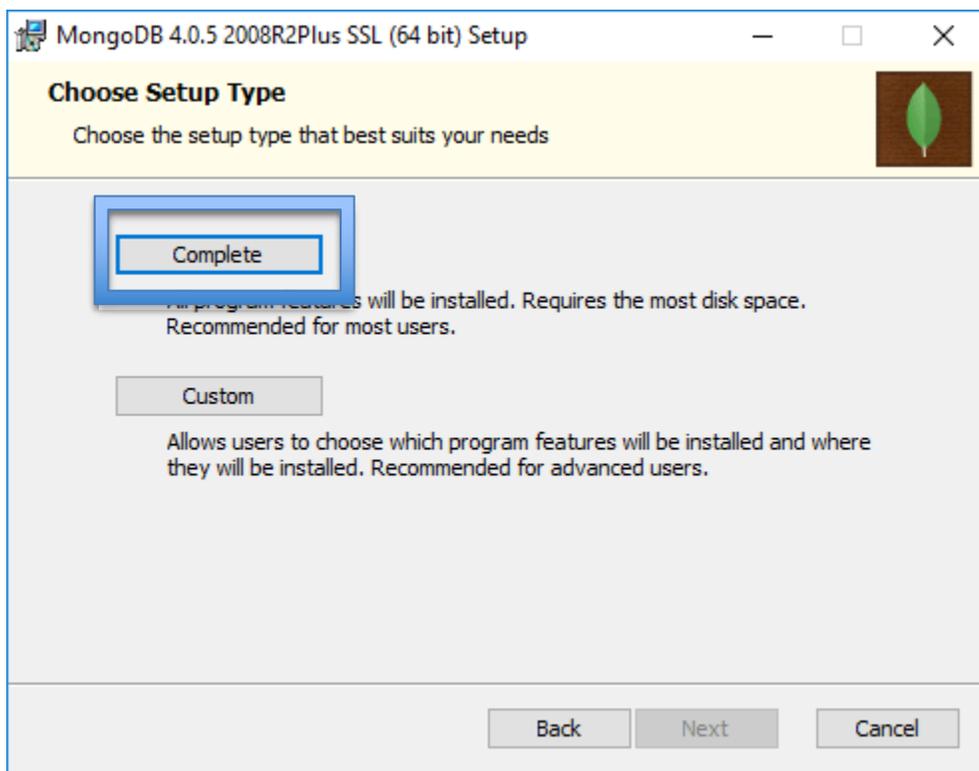
16. Click on the button “Close”



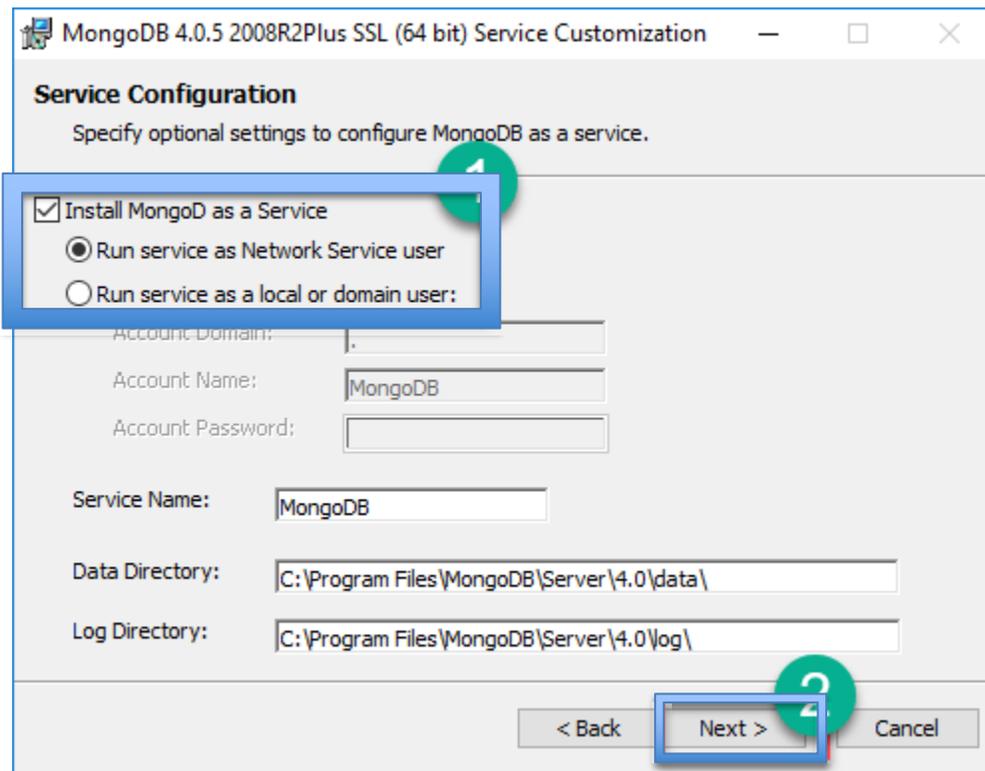
17. The installation wizard of MongoDB will appear. Click on the button “Next”



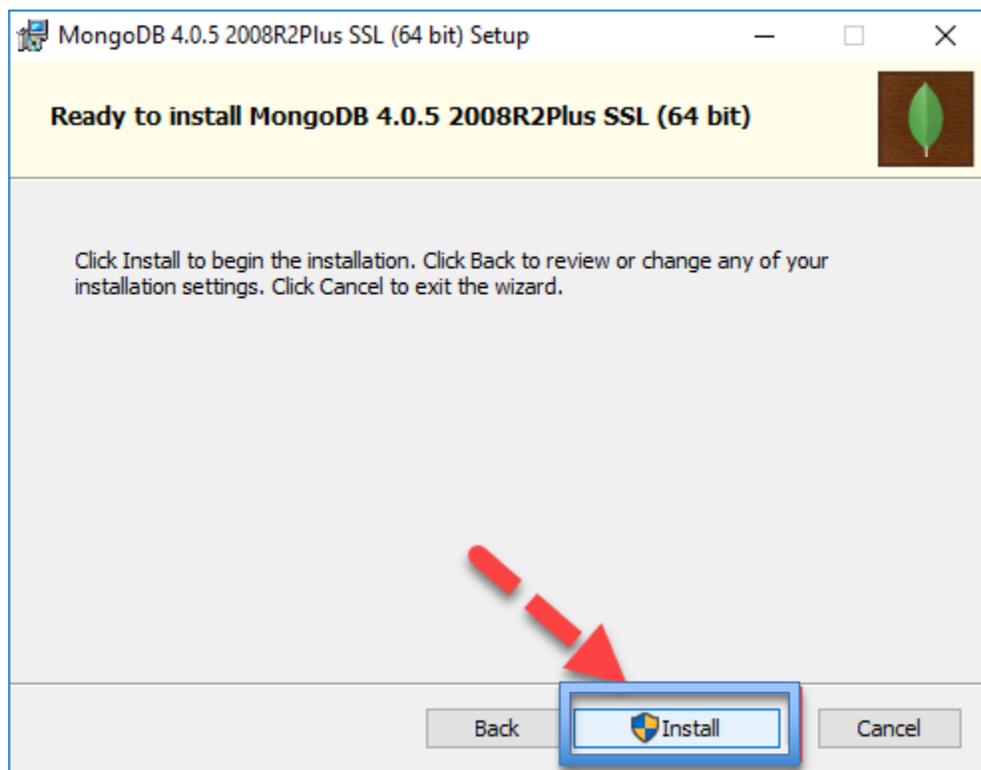
18. Check the “I accept the terms in the License Agreement” check box and then click on the button “Next”



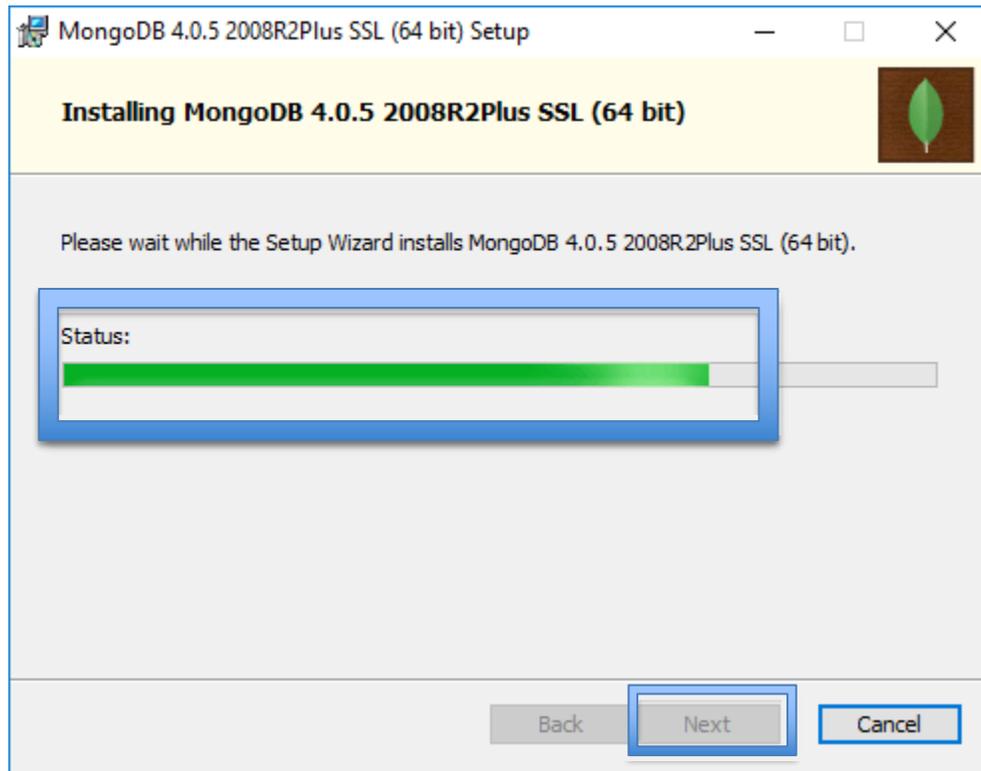
19. Click on “Complete” button to install all of the components



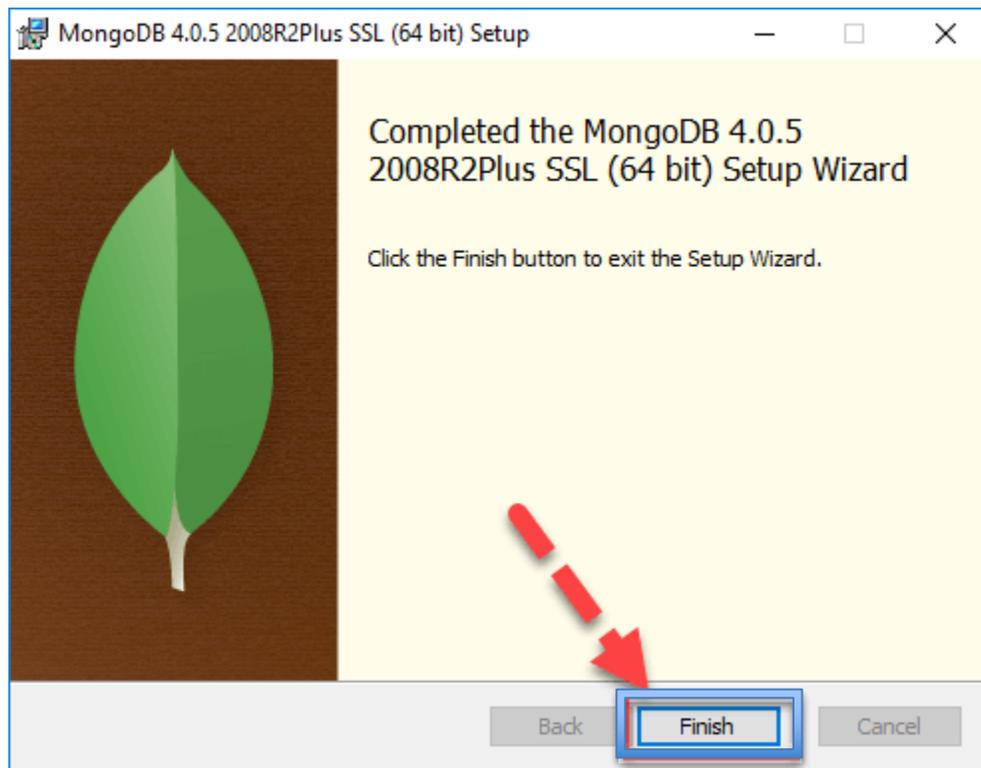
20. Select “Run service as Network Service user” and click the button “Next”



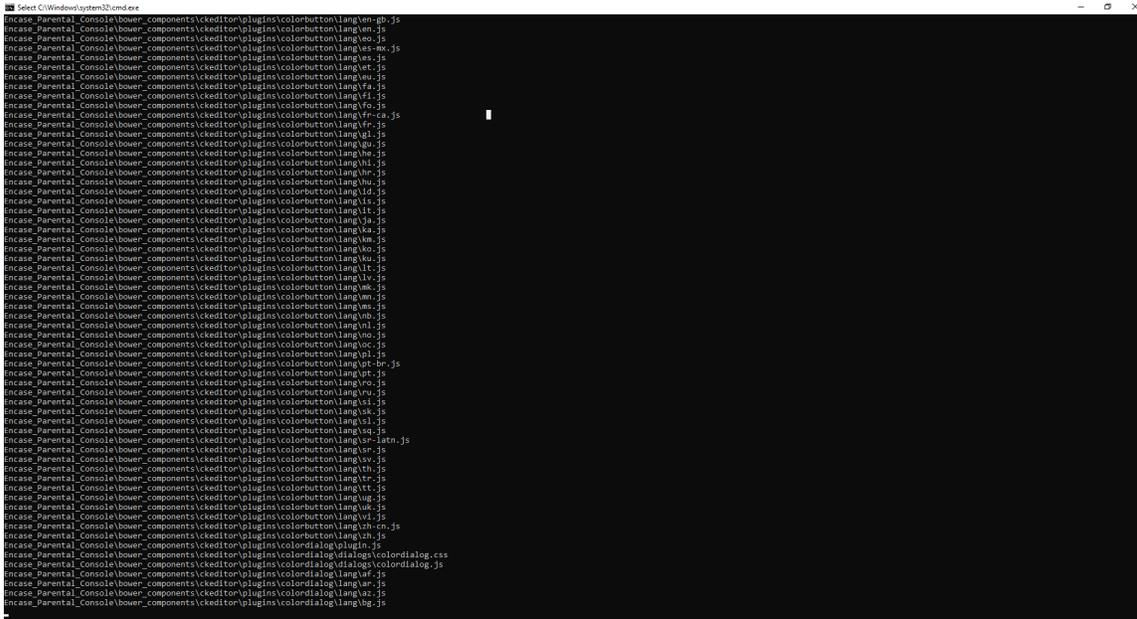
21. Click on the button “Install” to start the installation



22. Once the installation is completed click on the button “Next”



23. Click on the button “Finish”



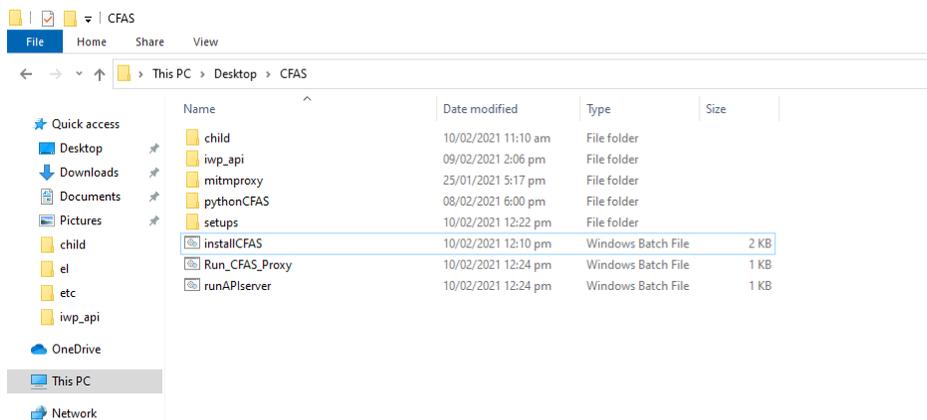
```
Select C:\Windows\system32\cmd.exe
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\en-gb.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\en.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\eo.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\es-mx.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\es.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\et.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\eu.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\fa.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\fi.js
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Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\sv.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\th.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\tr.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\uk.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\ur.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\vi.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\zh-cn.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colorbutton\lang\zh-tw.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colordialog\plugin.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colordialog\dialogs\colordialog.css
Encasse_Parental_Console\bower_components\ckeditor\plugins\colordialog\dialogs\colordialog.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colordialog\lang\ar.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colordialog\lang\az.js
Encasse_Parental_Console\bower_components\ckeditor\plugins\colordialog\lang\bg.js
```

24. At last, the Parental Console installation is executed by opening a terminal window.

By the end of the installation, two new files and a new folder are created under the CFAS folder:

- a. **Run_CFAS-Proxy (file)**
- b. **RunAPIserver (file)**
- c. **child (folder)**

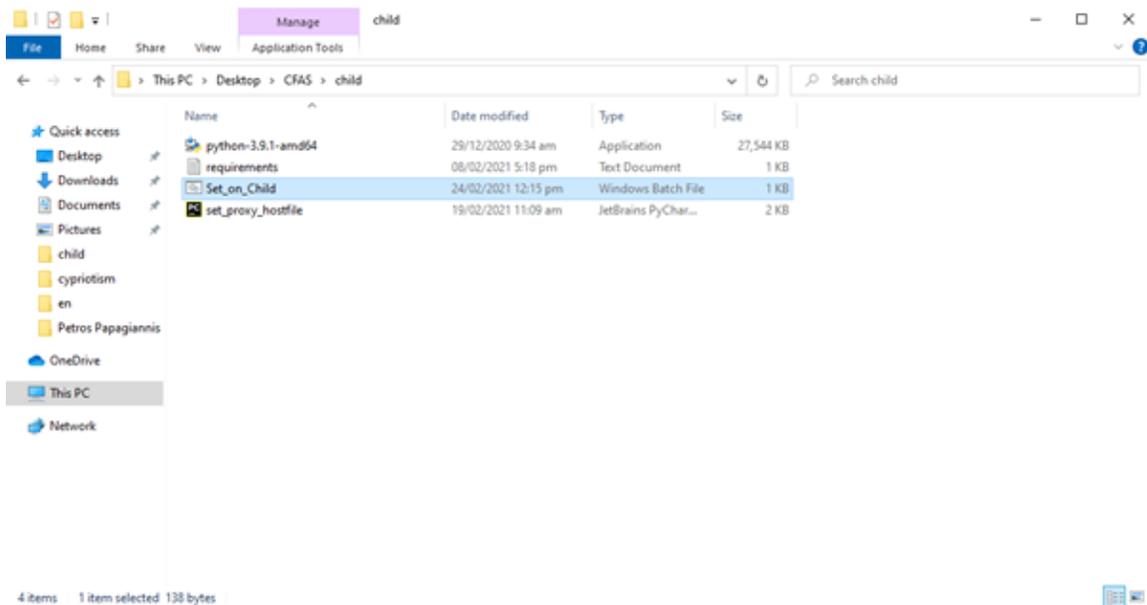
As shown in the following image:



25. Copy the “child” folder to a USB or upload it on your online storage (e.g. Dropbox, OneDrive) to use it for CFAS installation on the minor’s device
26. To confirm the success of the installation visit https://parental_console:8080 from your Web Browser you must see the following screen
27. From this page you must create an account in CFAS Parental Console (explained in Section 2.2.2.), login to this account (explained in Section 2.2.1.) and add your child under your CFAS Parental Console account (explained in Section 2.2.3.)

2.1.3 Install CFAS on minor’s device

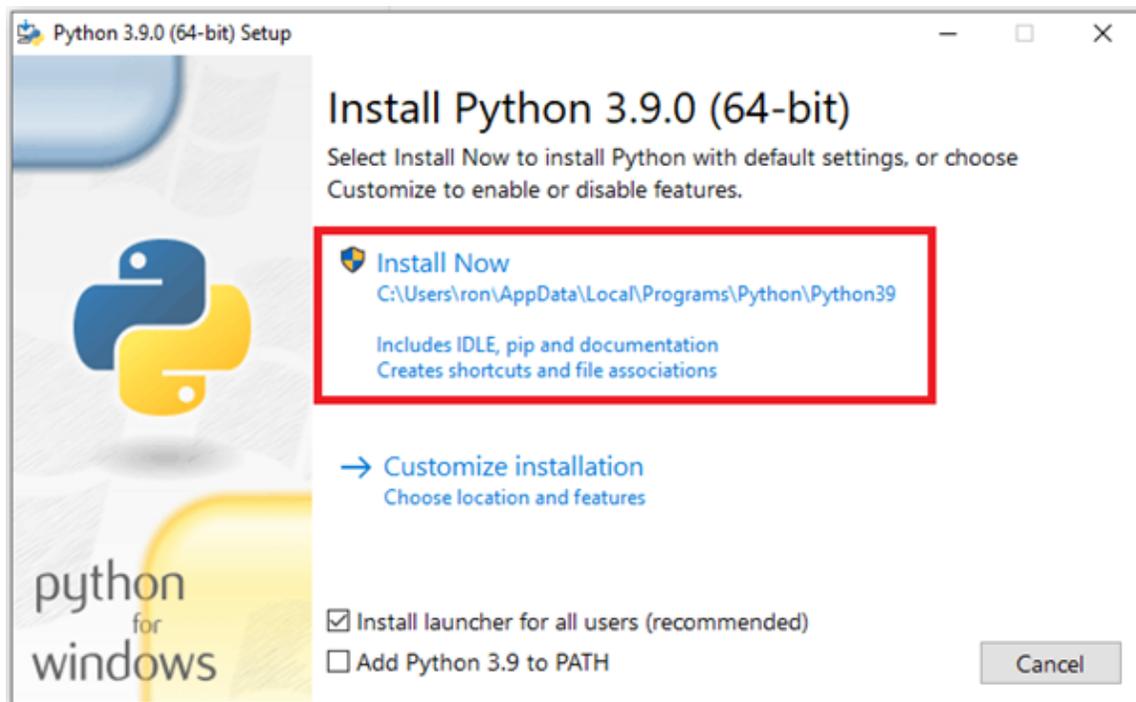
1. Locate the folder “child” in a location of your preference on the minor’s device



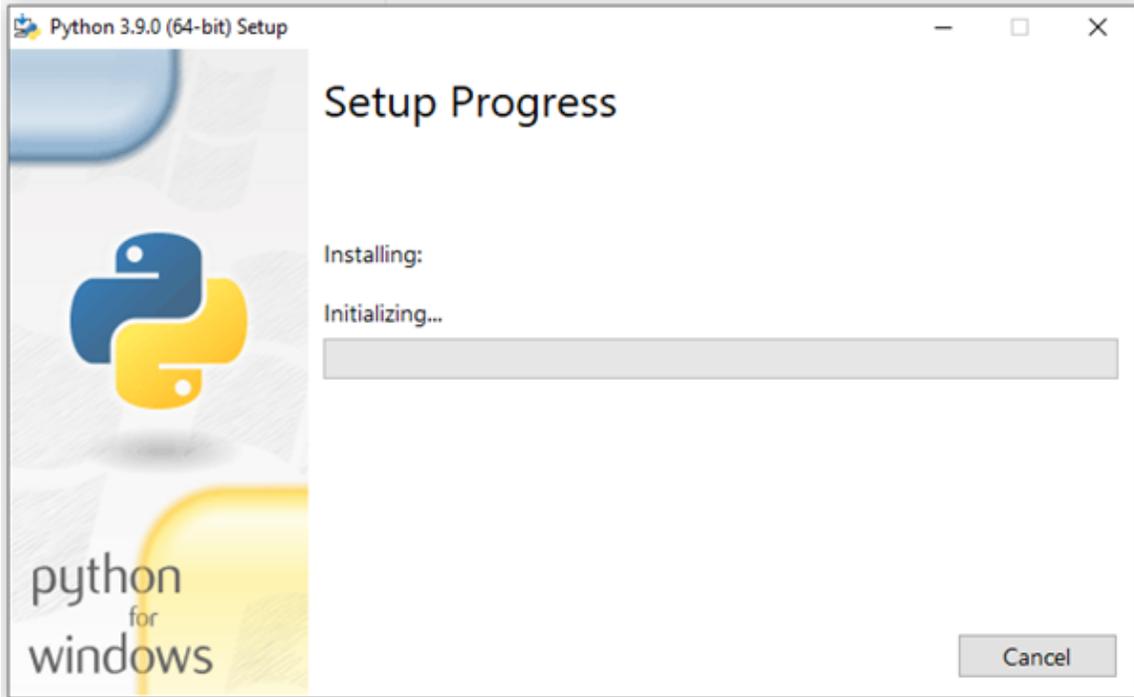
2. Right click on the file “Set_on_Child.exe” file and select “Run as admin”. First, a terminal window will open, and ‘Python’ installation will start.

```
Select C:\Windows\system32\cmd.exe
C:\Users\Petercut\Desktop\CFAS\child>echo Intalling Python\n
Intalling Python\n
```

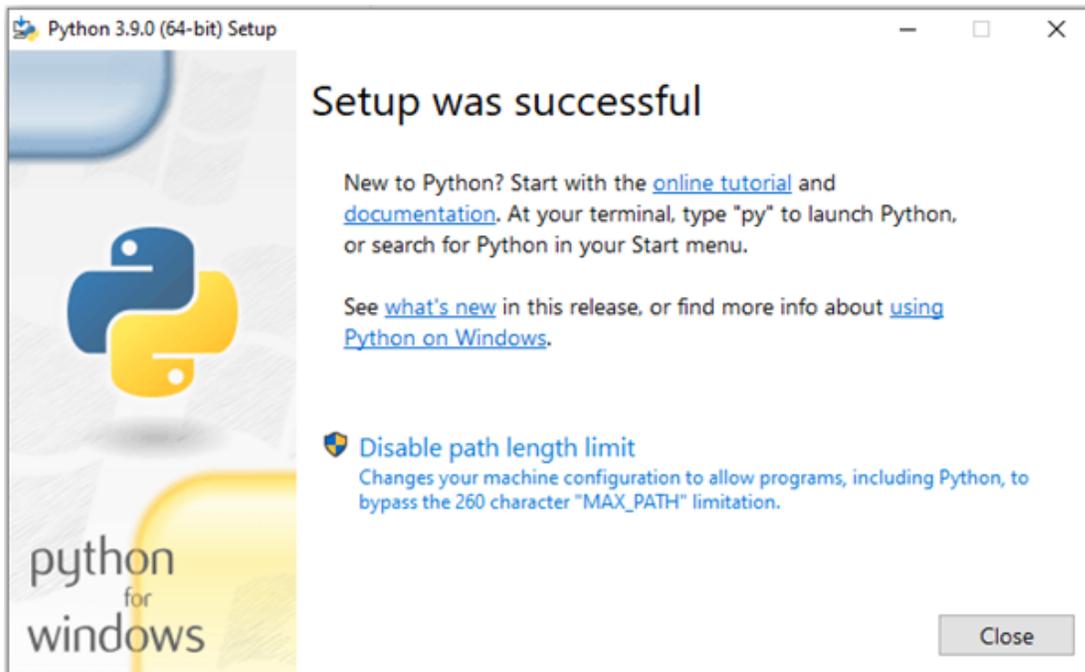
3. Click on “Install now”



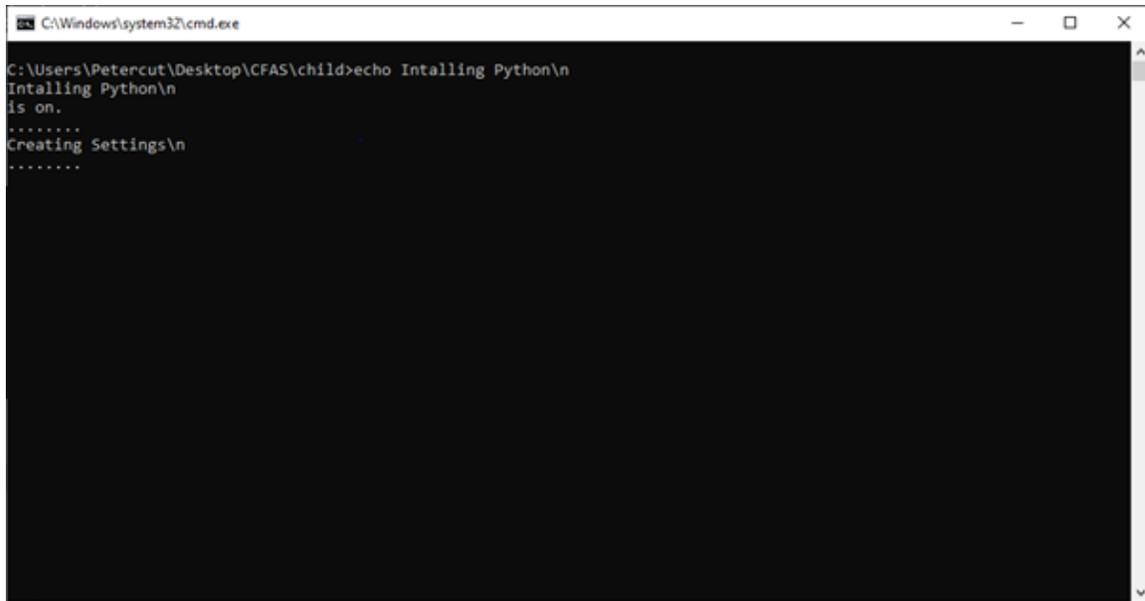
4. Python setup will start



5. After the installation is finished, click on “Close”



6. Then a terminal window will open to set the settings for the minor’s device

A screenshot of a Windows command prompt window. The title bar reads "C:\Windows\system32\cmd.exe". The command prompt shows the following text:

```
C:\Users\Petercut\Desktop\CFAS\child>echo Intalling Python\n
Intalling Python\n
is on.
.....
Creating Settings\n
.....
```

7. To confirm the success of the installation, the Guardian Avatar icon must appear on the screen when the minor is logged in to their account in Facebook, Twitter, and YouTube. *** This requires Step 27 from Section 2.1.2.**

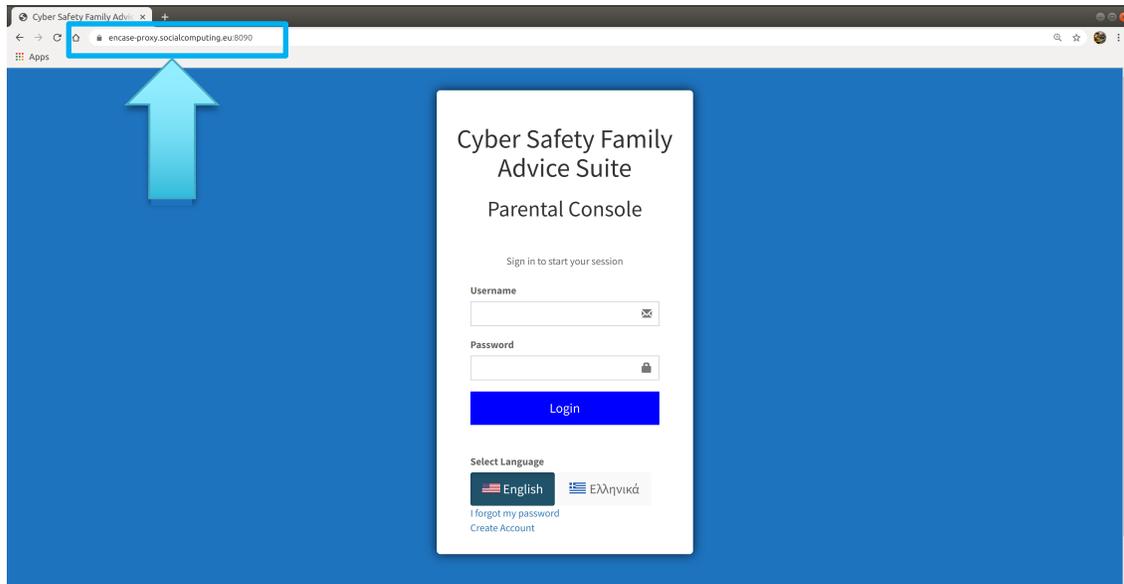
2.2 CFAS Parental Console

This section describes all the actions a parent can take through the Parental Console.

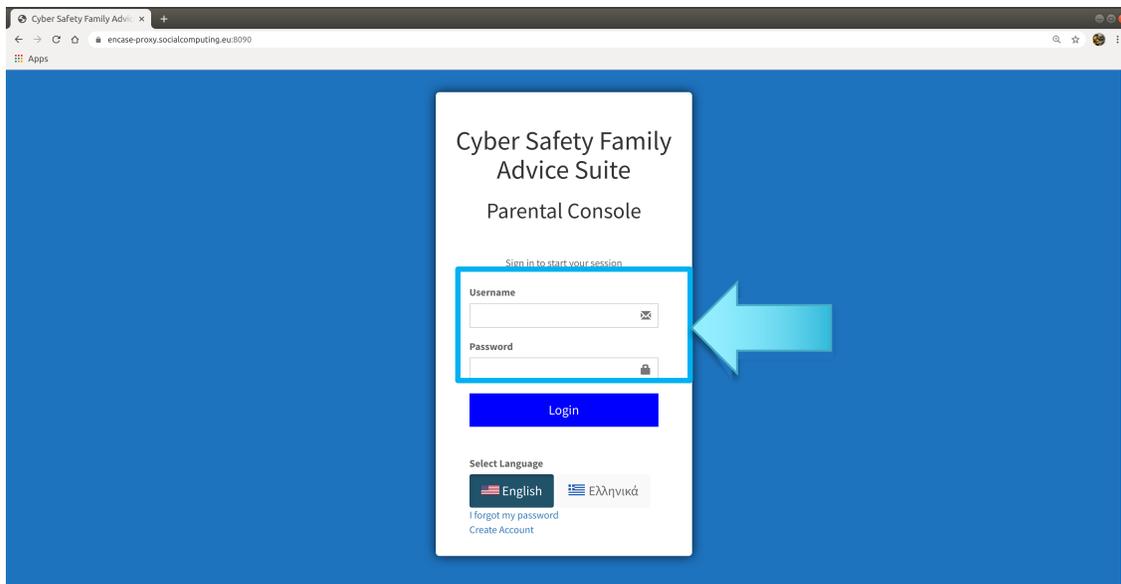
2.2.1 Log in

To Log in to the CFAS Parental Console:

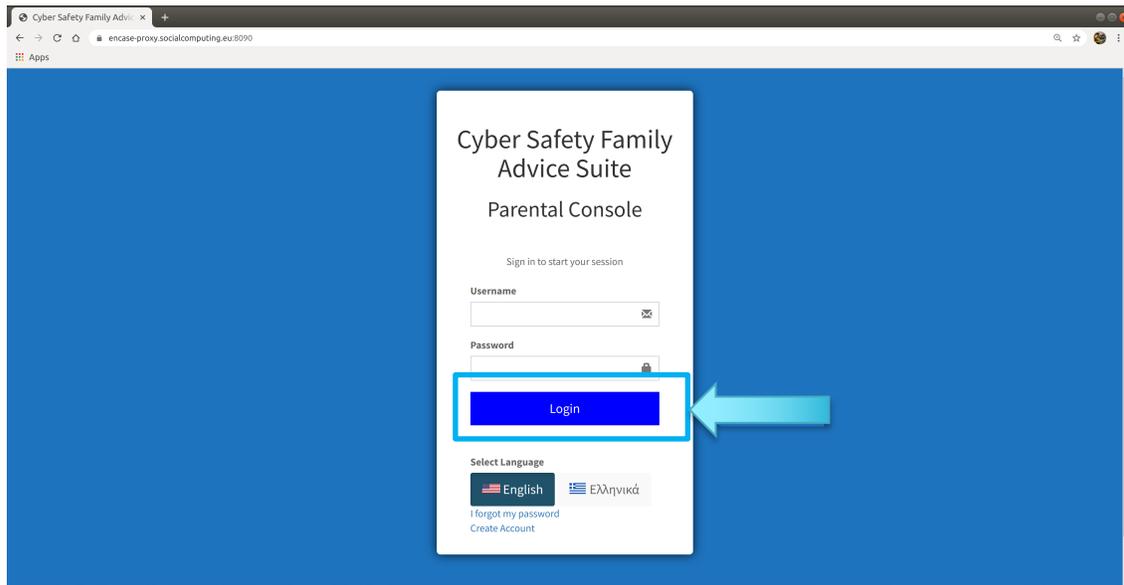
1. Visit url: <https://encase-proxy.socialcomputing.eu:8090/>



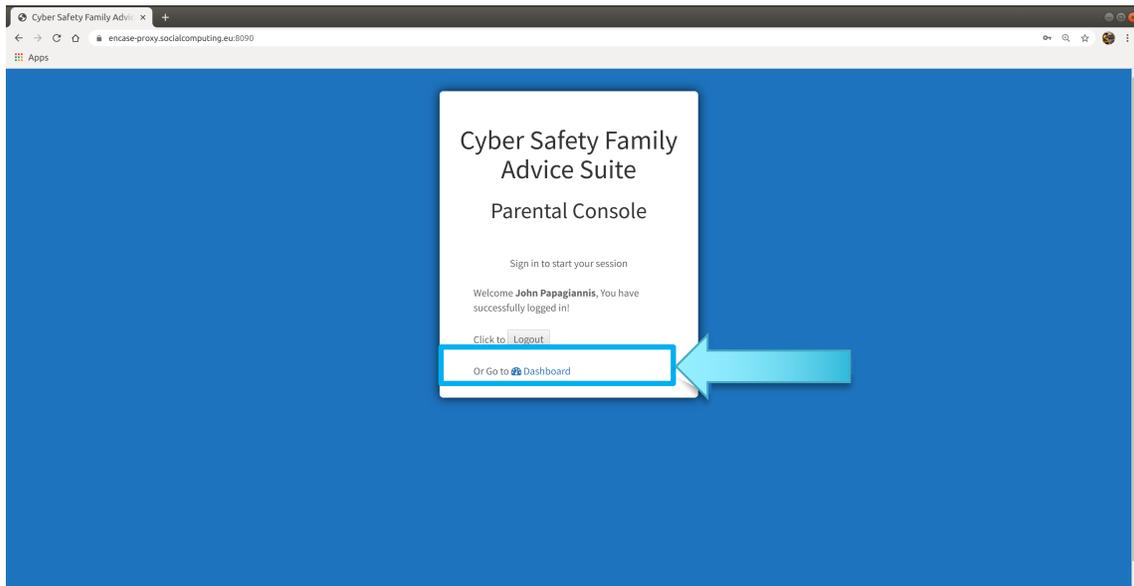
2. Enter username and password



3. Click on Login button.

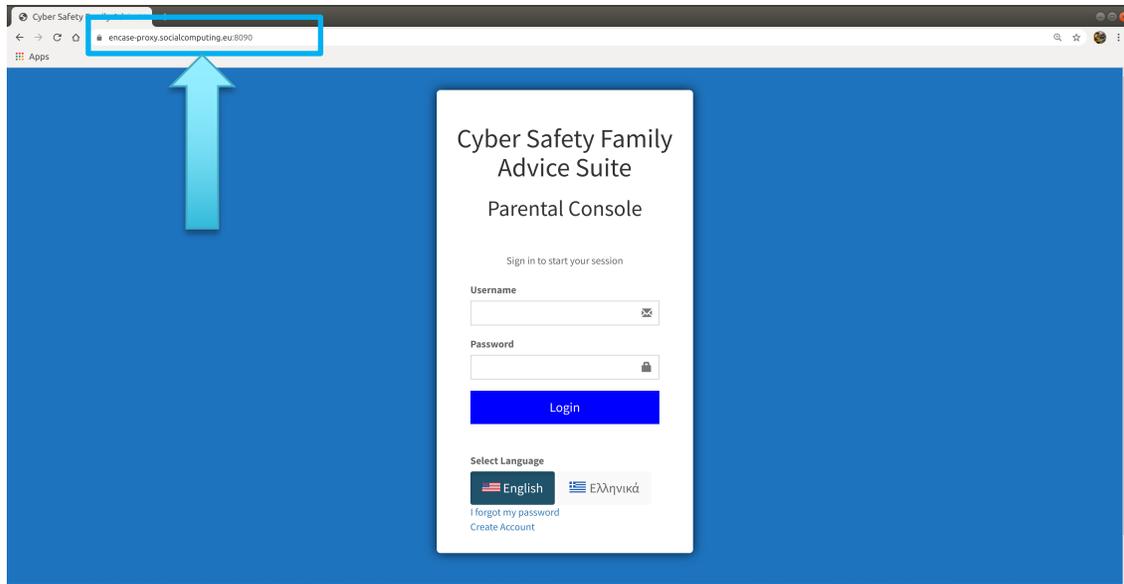


4. Click on "Dashboard"

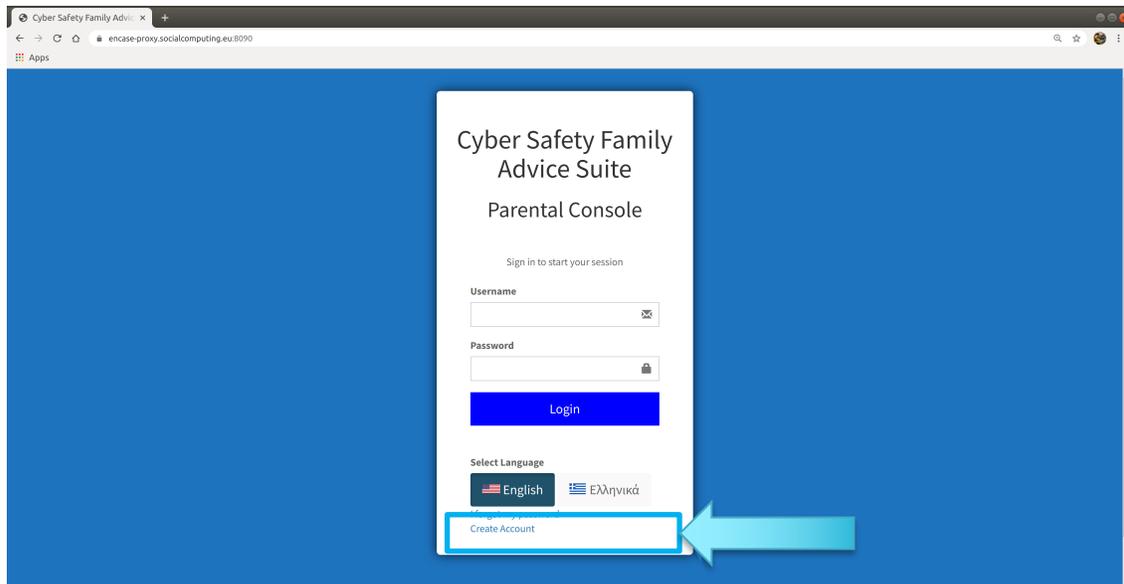


2.2.2 Parent Account Registration:

1. Visit url: <https://encase-proxy.socialcomputing.eu:8090/>



2. Click on “Create Account”



3. Fill the required fields.

Cyber Safety Family Advice Suite
Parental Console

Register to start.

First Name :*
George

Last Name :*
Papadopoulos

User Name :*
George123

Email :*
Ex-anderson@gmail.com

Password :*

Re-enter Password :*

Reset Next

4. Click "Next"

Cyber Safety Family Advice Suite
Parental Console

Register to start.

First Name :*
George

Last Name :*
Papadopoulos

User Name :*
George123

Email :*
Ex-anderson@gmail.com

Password :*

Re-enter Password :*

Reset Next

5. Fill the require fields*

Cyber Safety Family Advice Suite
Parental Console

Register Your Child

Kid Name :*
George

Last Name : *
p

Email :*
Ex-anderson@gmail.com

Child Facebook Uri :*
https://www.facebook.com/ENCASE.H2

Child Twitter Uri :*
https://twitter.com/ENCASE_H2020

Reset Save

A blue arrow points to the email field.

6. Click "Save"

Cyber Safety Family Advice Suite
Parental Console

Register Your Child

Kid Name :*
George

Last Name : *
p

Email :*
Ex-anderson@gmail.com

Child Facebook Uri :*
https://www.facebook.com/ENCASE.H2

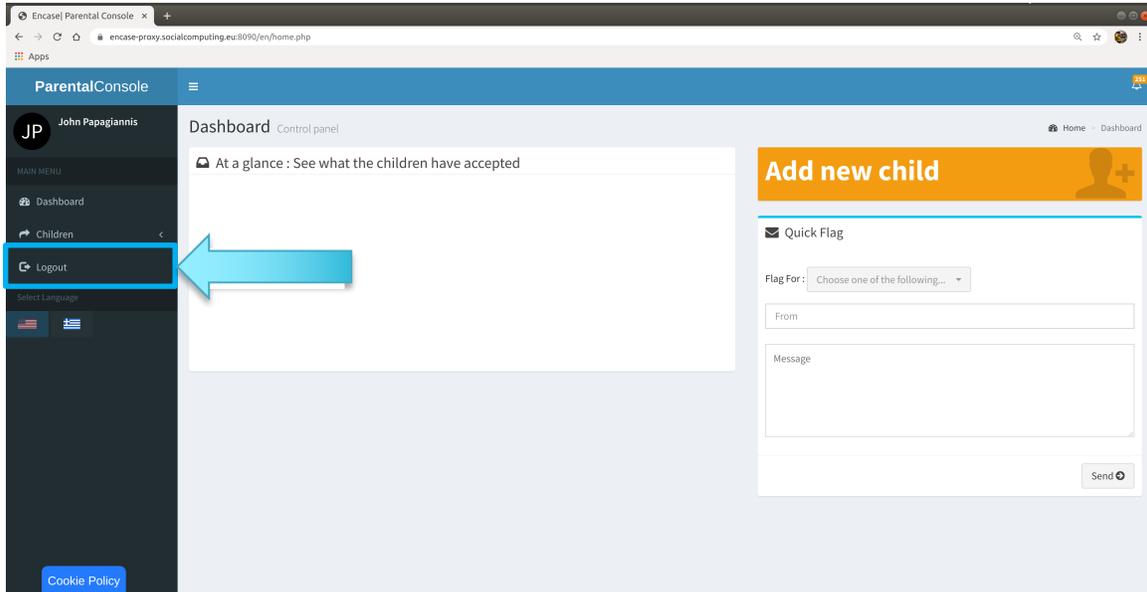
Child Twitter Uri :*
https://twitter.com/ENCASE_H2020

Reset Save

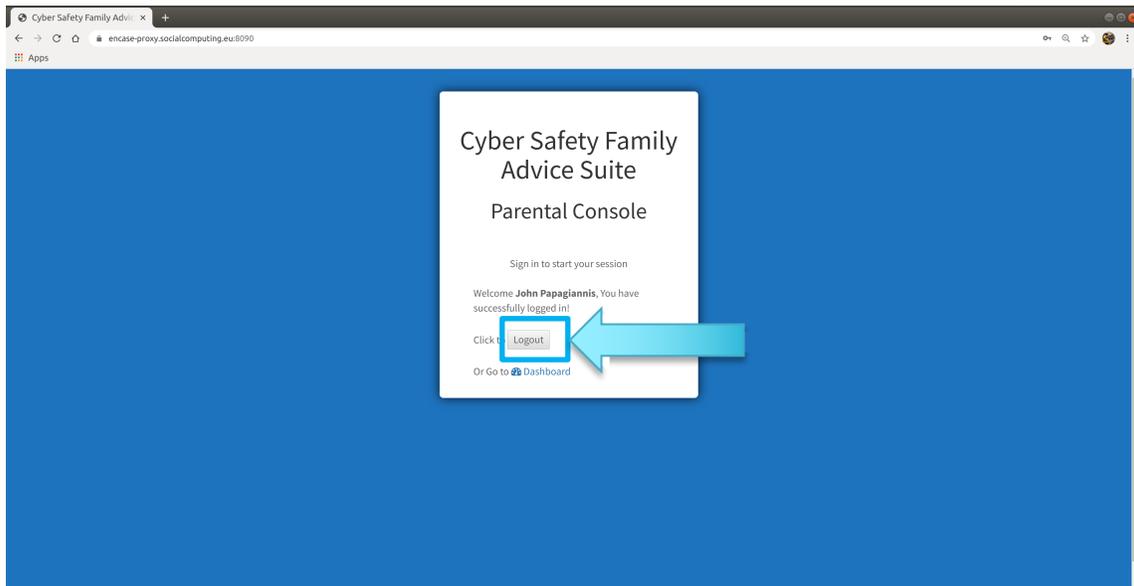
A blue box highlights the Save button, and a blue arrow points to it.

2.2.3 Log Out

1. Click on “Logout”

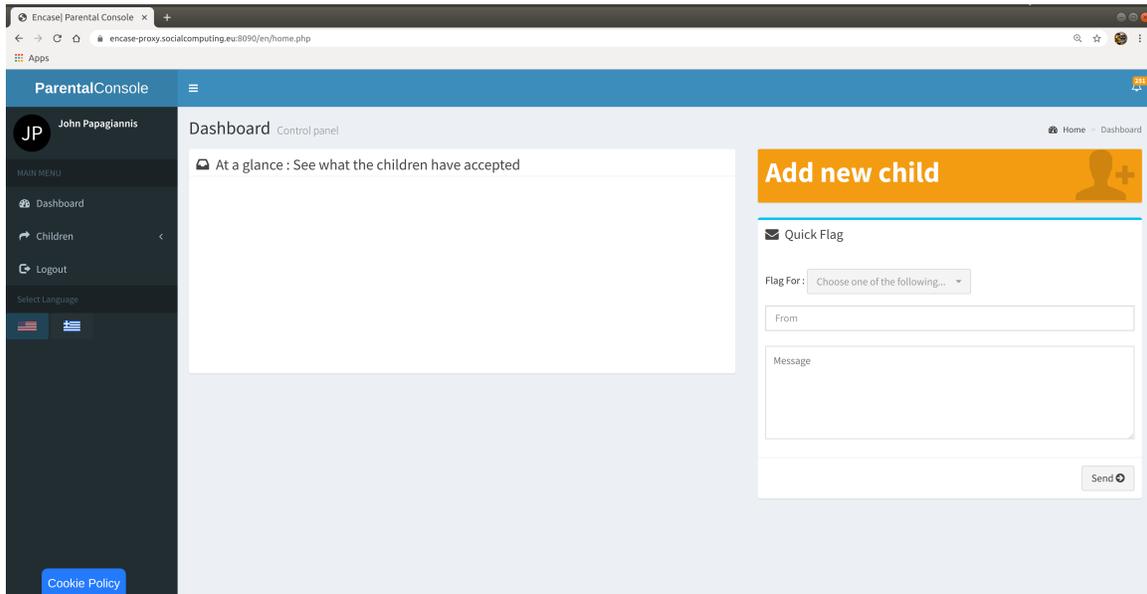


2. Click on “Logout”

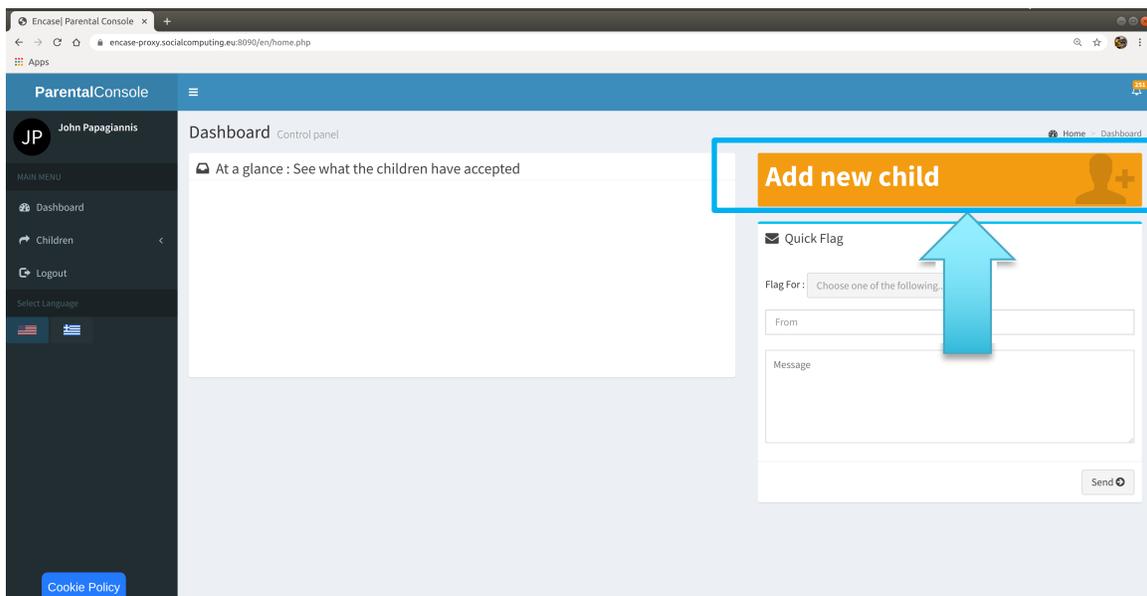


2.2.4 Add a new child

Starting from the dashboard page:



1. Click on 'Add new Child'



2. Fill the required fields *

Cyber Safety Family Advice Suite
Parental Console

Register Your Child

Kid Name :*
George

Last Name : *
p

Email :*
Ex-anderson@gmail.com

Child Facebook Url :*
https://www.facebook.com/ENCASE.H2

Child Twitter Url :*
https://twitter.com/ENCASE_H2020

Reset Save

3. Click on "Save"

Cyber Safety Family Advice Suite
Parental Console

Register Your Child

Kid Name :*
George

Last Name : *
p

Email :*
Ex-anderson@gmail.com

Child Facebook Url :*
https://www.facebook.com/ENCASE.H2

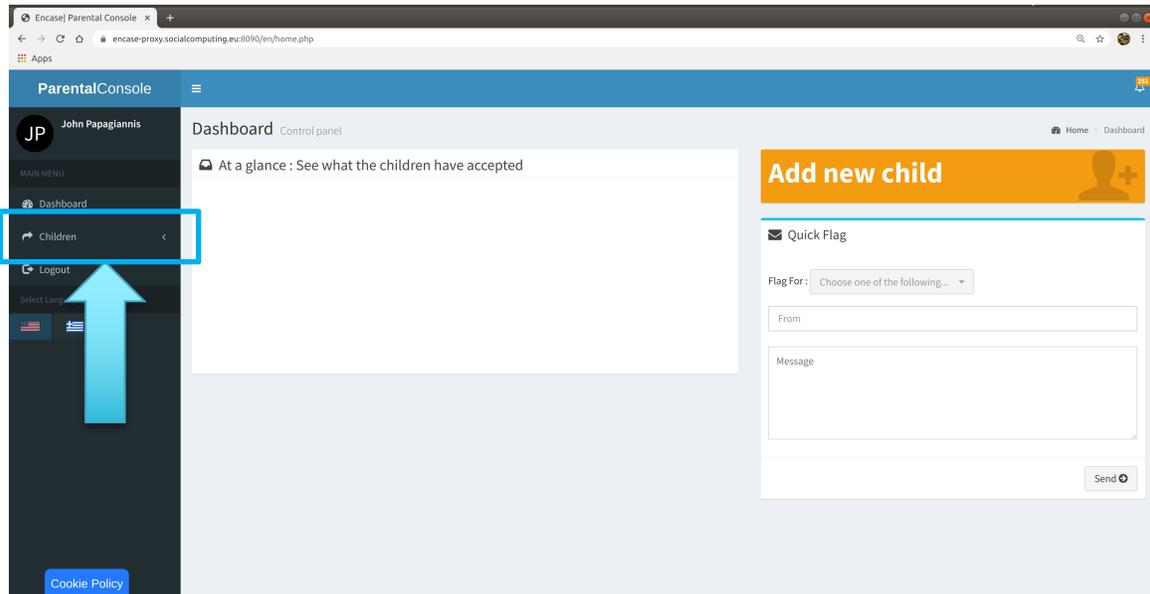
Child Twitter Url :*
https://twitter.com/ENCASE_H2020

Reset Save

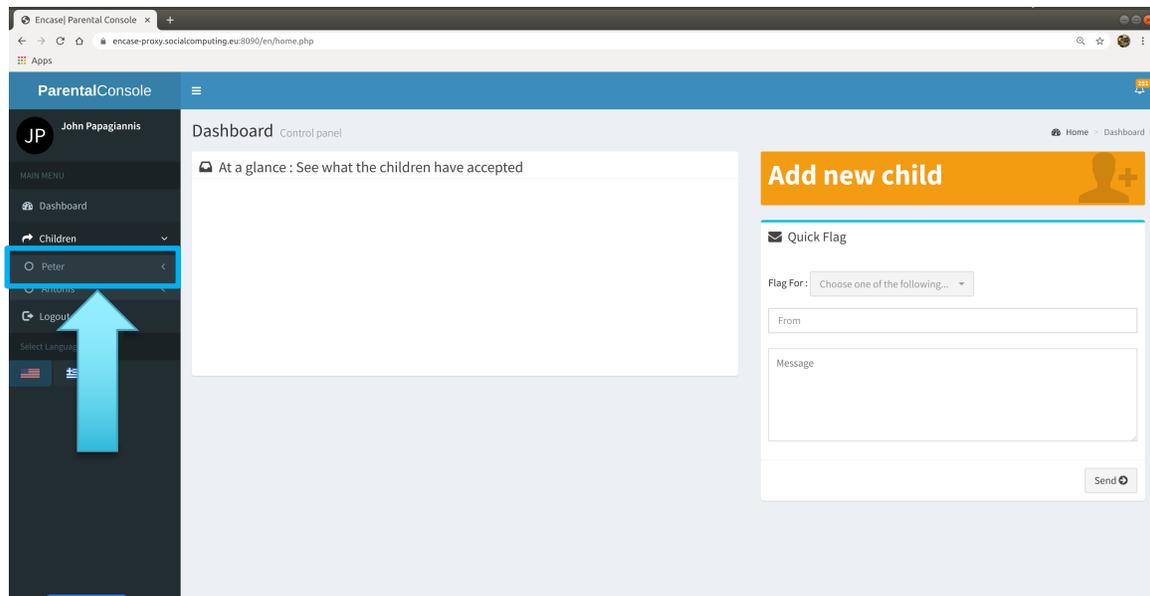
2.2.5 Child's Account Cybersafety Options

2.2.5.1 Find Options for a social media account

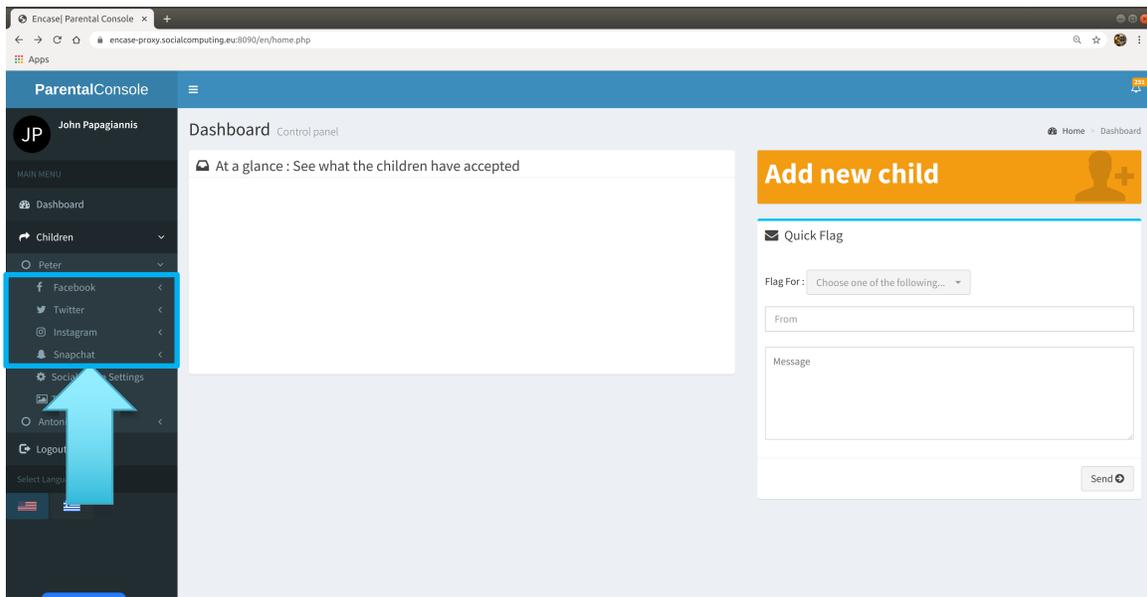
1. Click on 'Children' from the left side menu



2. Select the child's name you want to find the options for e.g. Peter

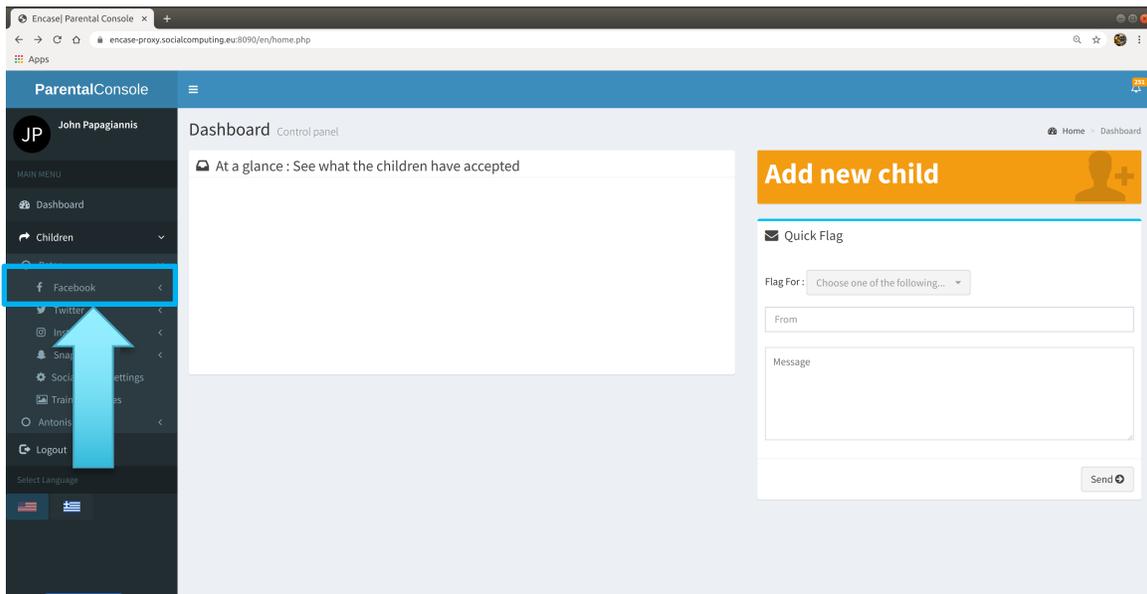


3. Select the social media account from the list you want to see the options

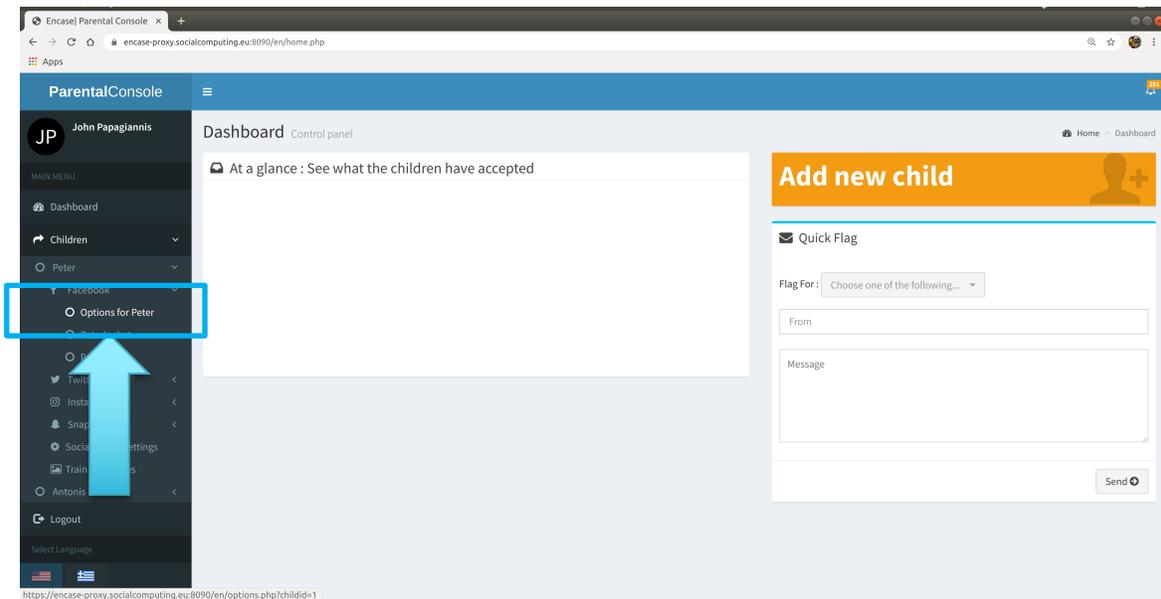


2.2.5.2 Set options for Facebook

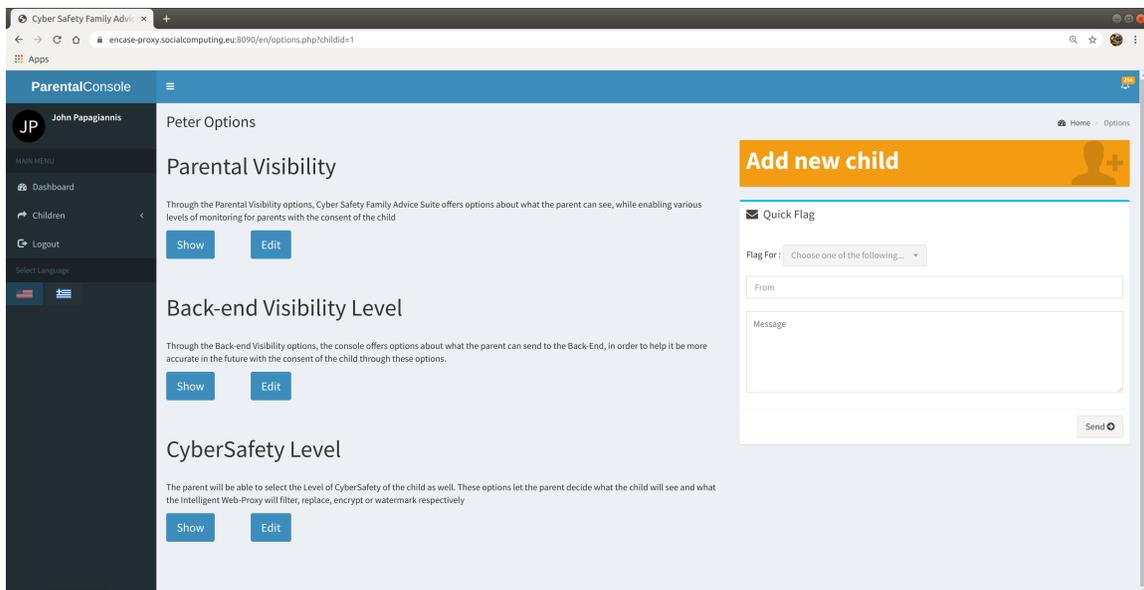
1. From the left menu under the child options, select “Facebook”



2. Select “Options for ‘Childs name””(e.g. Options for Peter)



3. See the options for Facebook

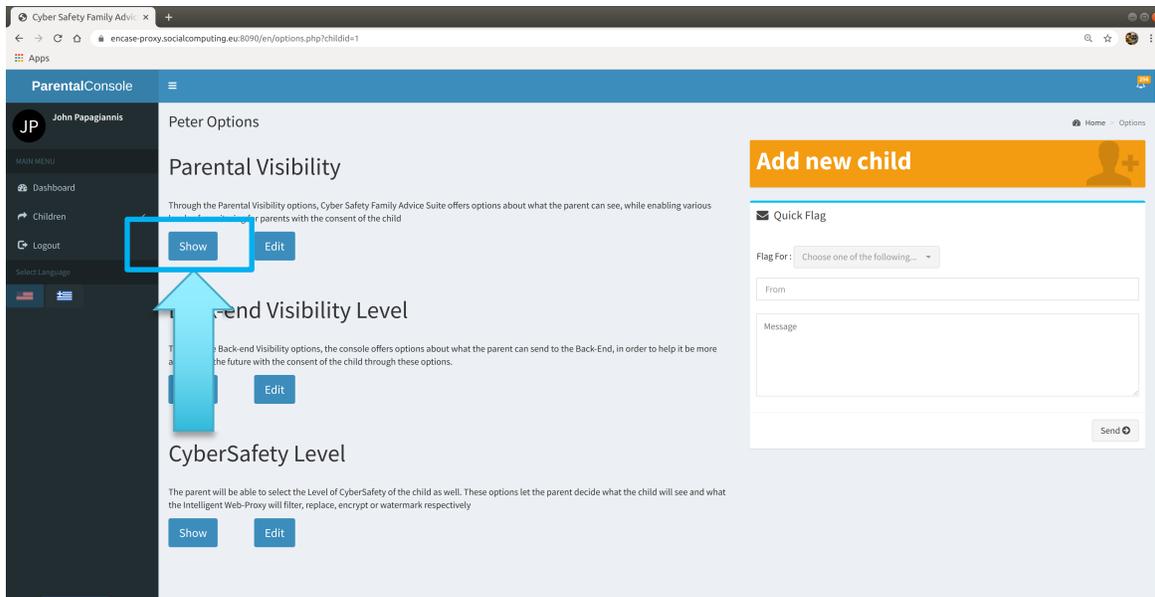


2.2.6 For Parental Visibility Options: To Show/Hide/Edit current options

These options set what content/information a parent can see about the child’s Facebook account.

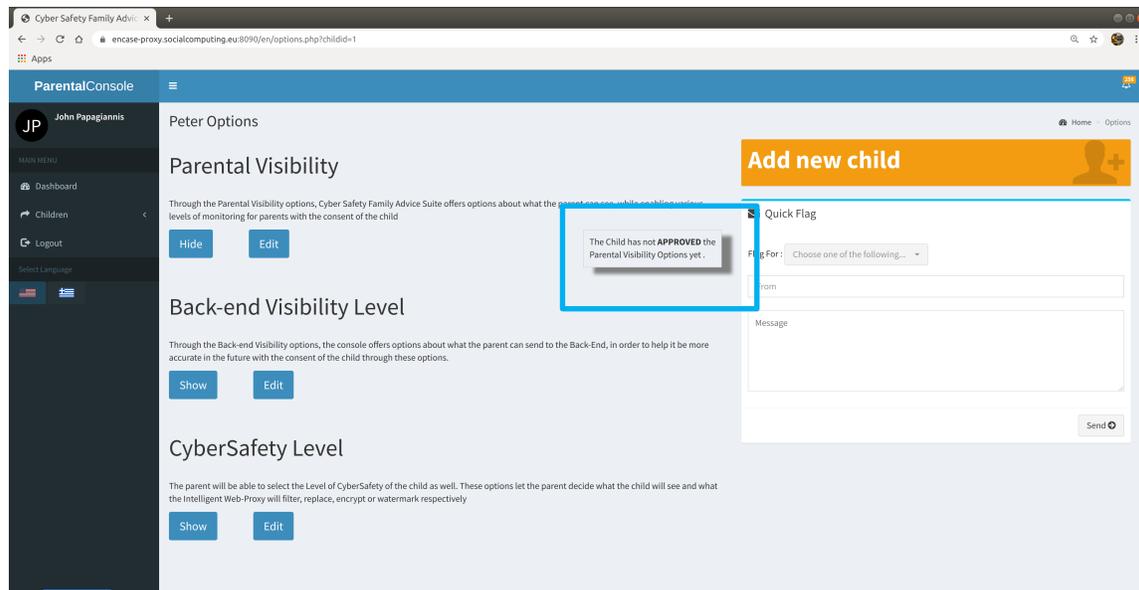
To show current options:

1. Click on 'Show'



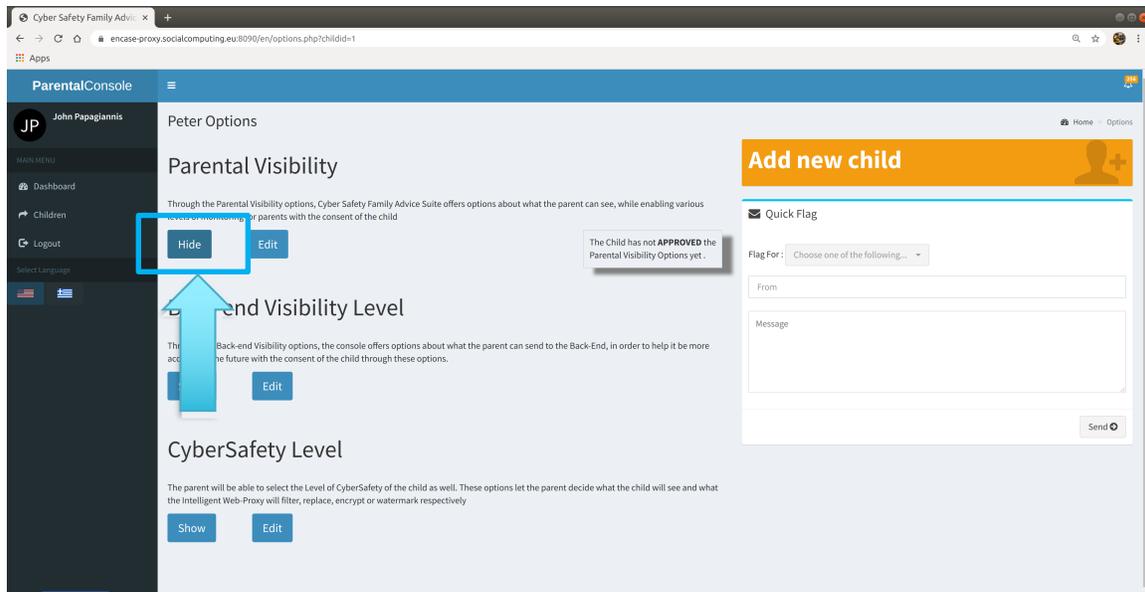
2. See the current options and their state appearing on the right

In the example you can see that the child has not approved the parental visibility options yet



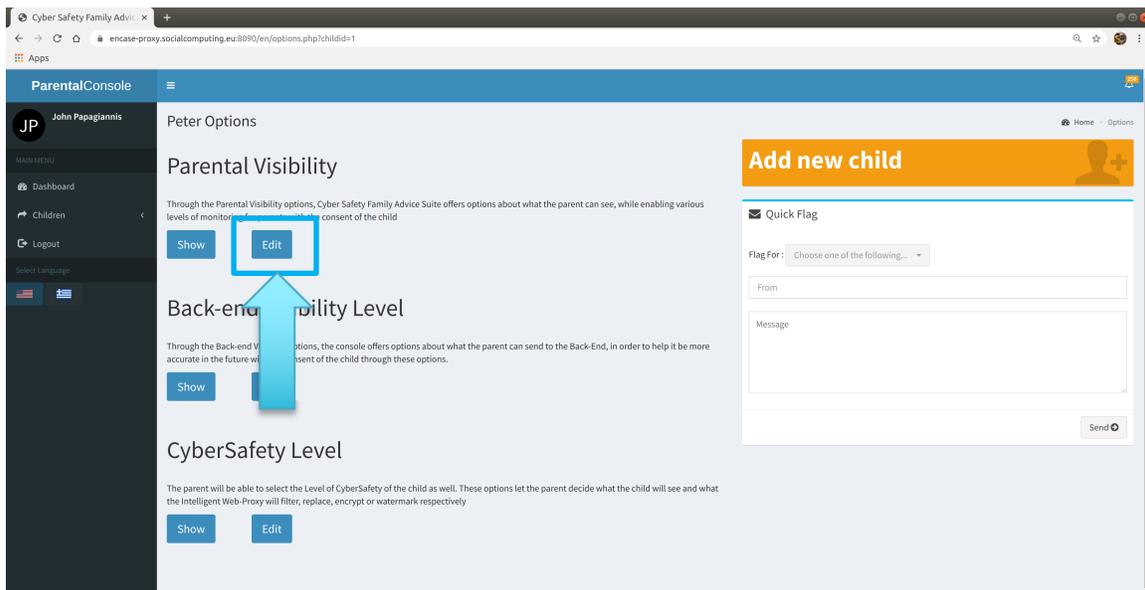
To hide the current options:

1. Click on 'Hide'

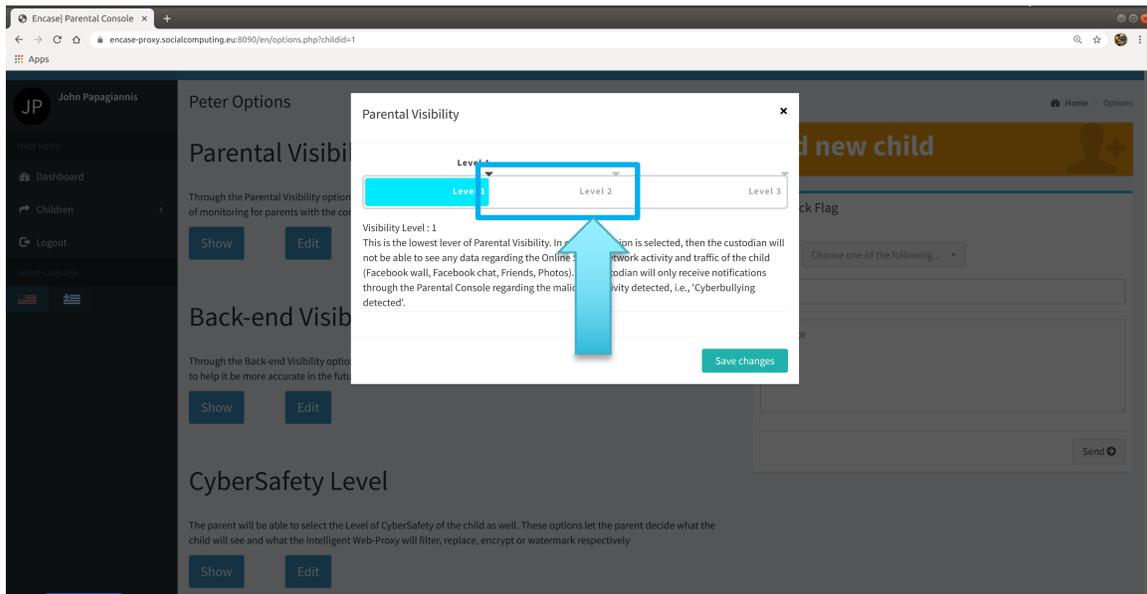


To edit the current options:

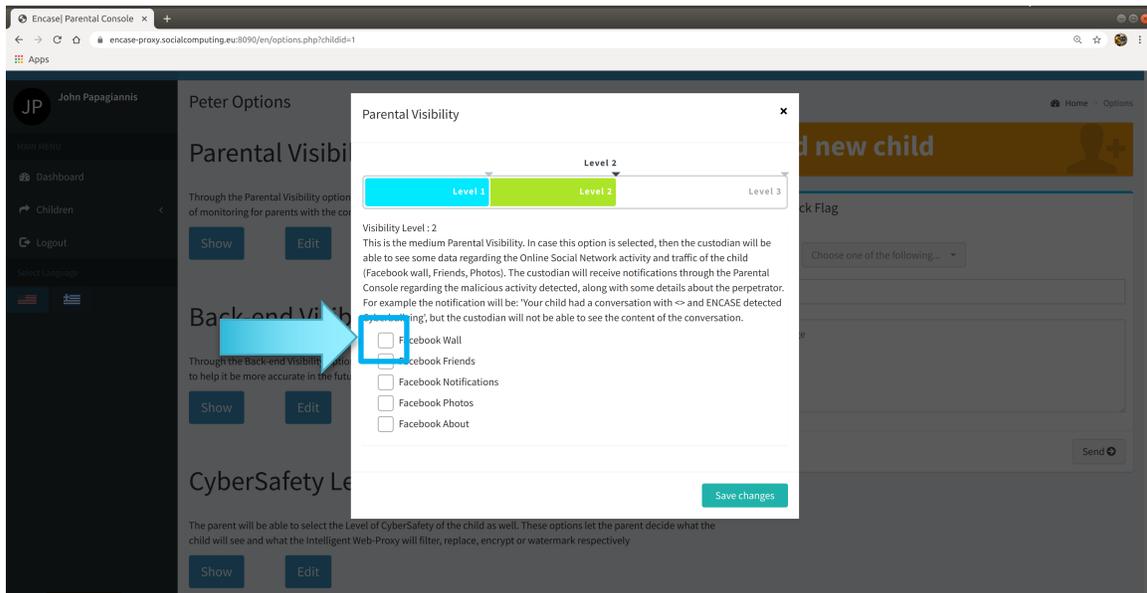
1. Click on 'Edit'

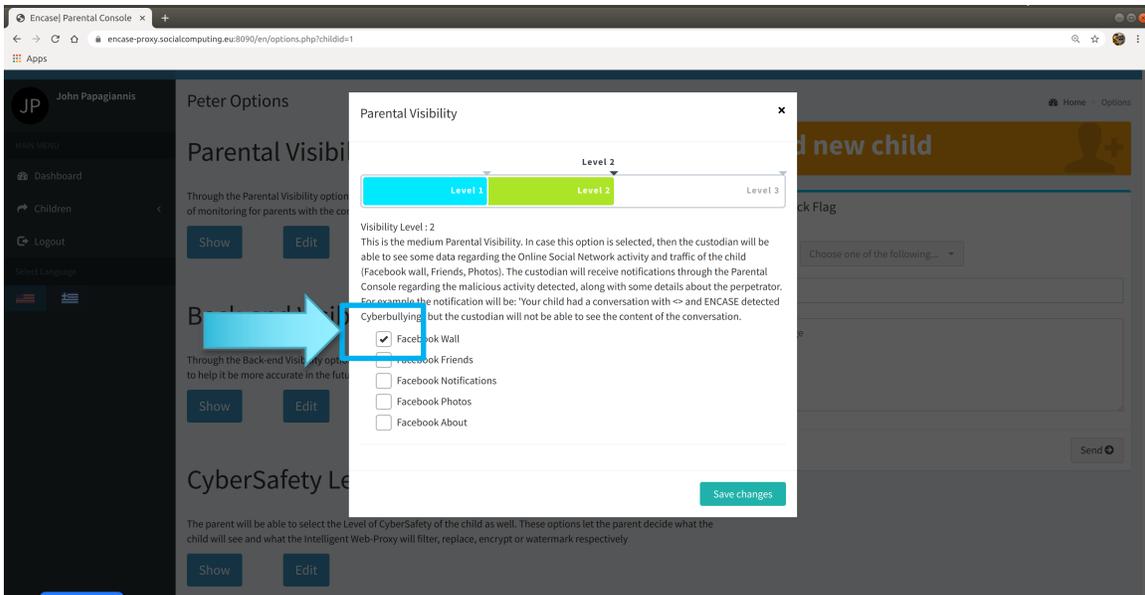


2. Click on the Level # to see details about the specific level

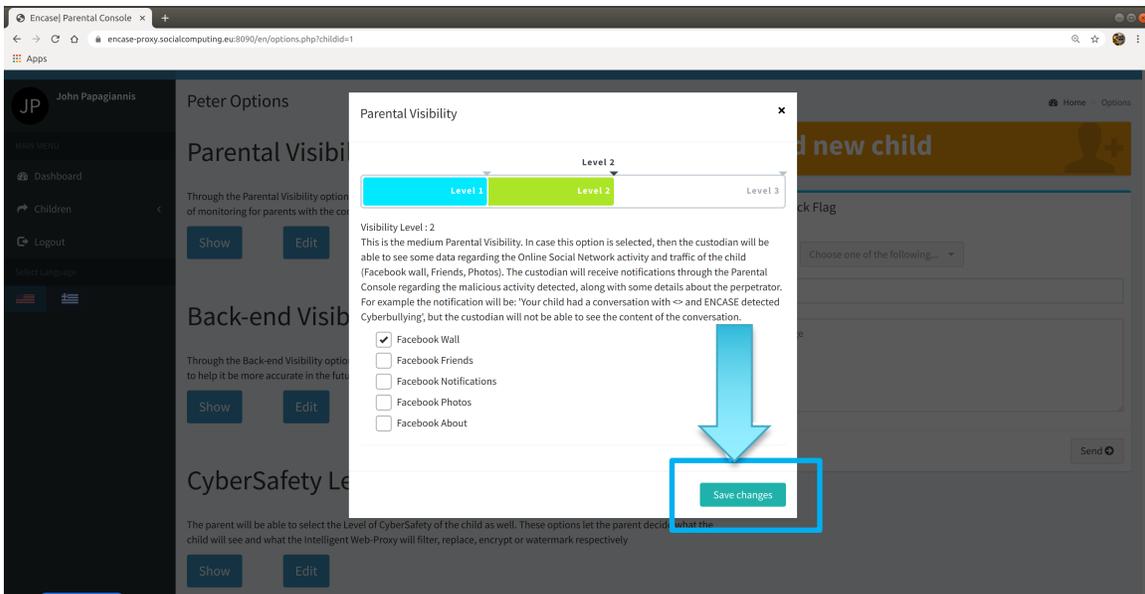


3. Click on the check box to select an item from the list





4. Click on 'Save Changes' to set the selected options

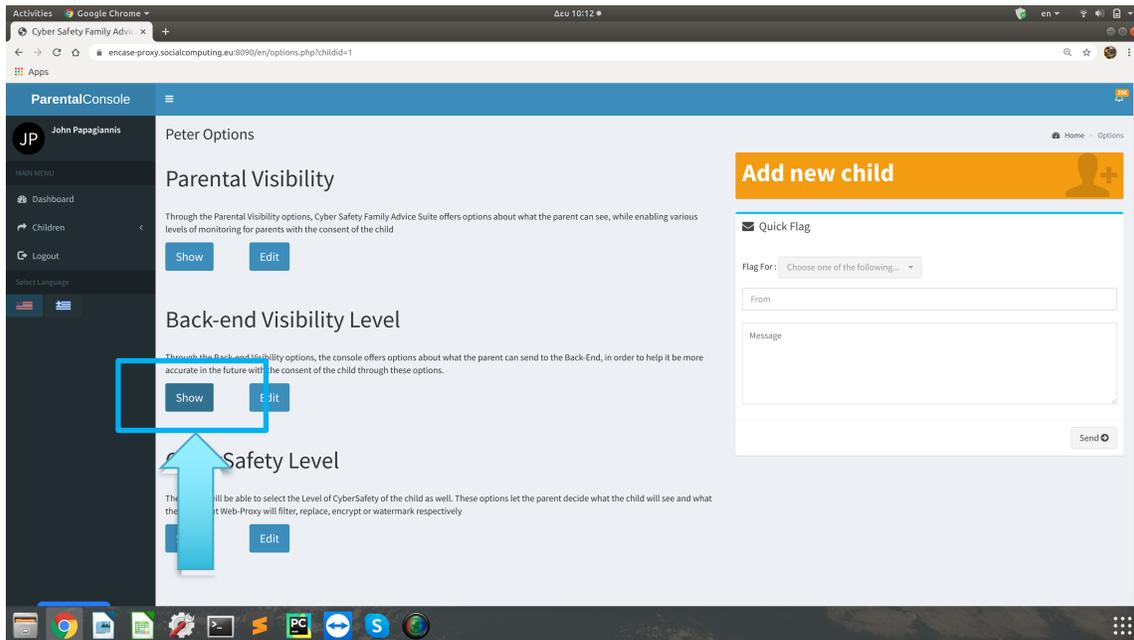


2.2.7 For Backend Visibility Level Options: Show/Hide/Edit current options

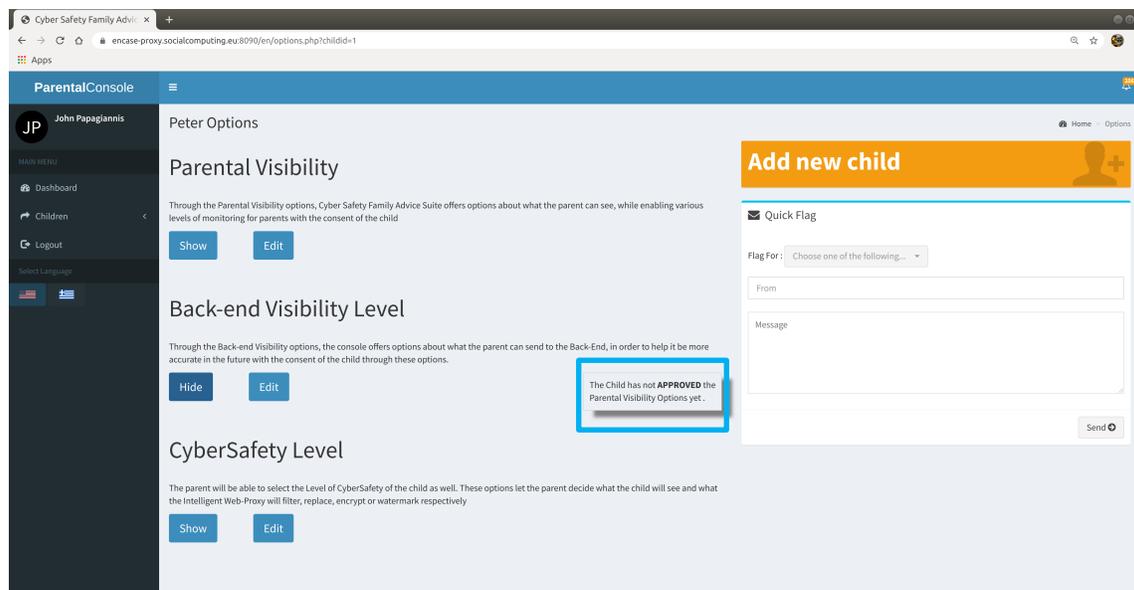
These options set what content/information can be sent to Backend about the child's Facebook account.

To show current options:

1. Click on 'Show'

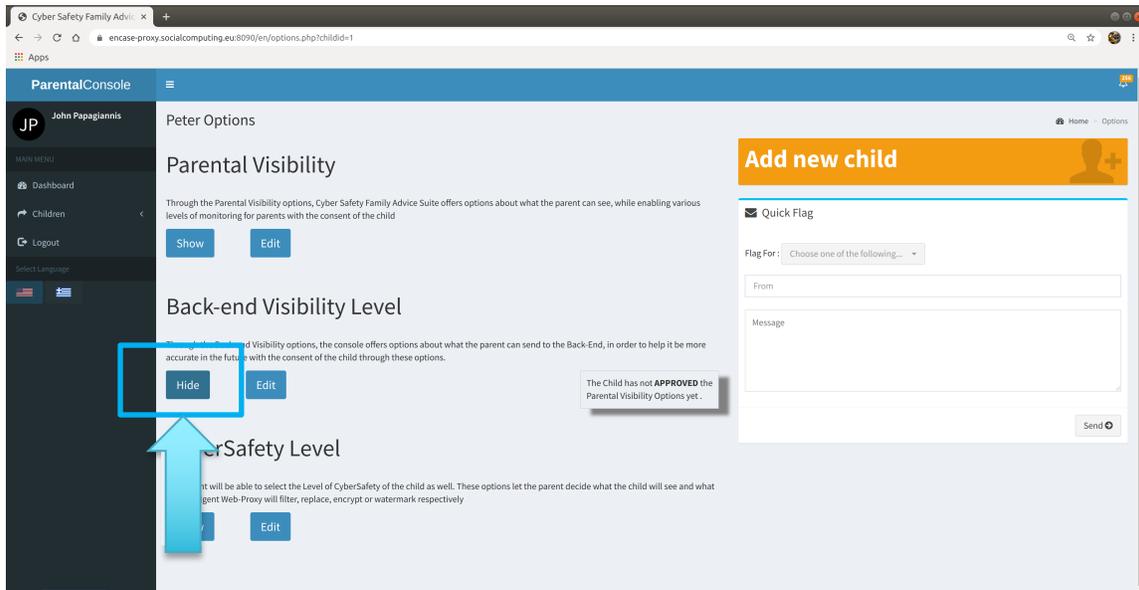


2. See the current options on the right side



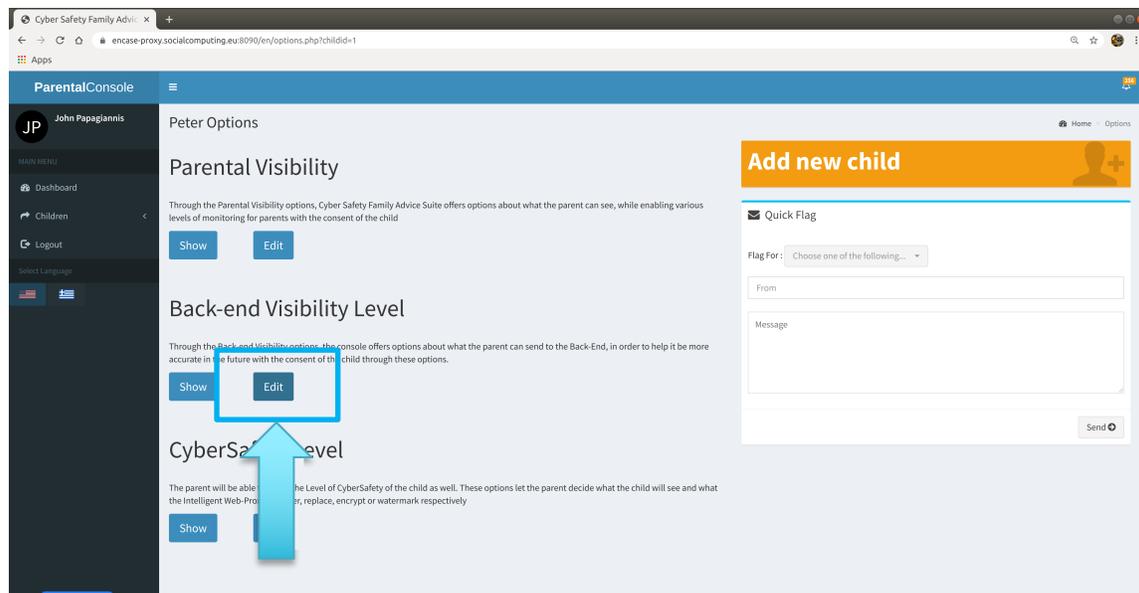
To hide current options:

1. Click on 'Hide'

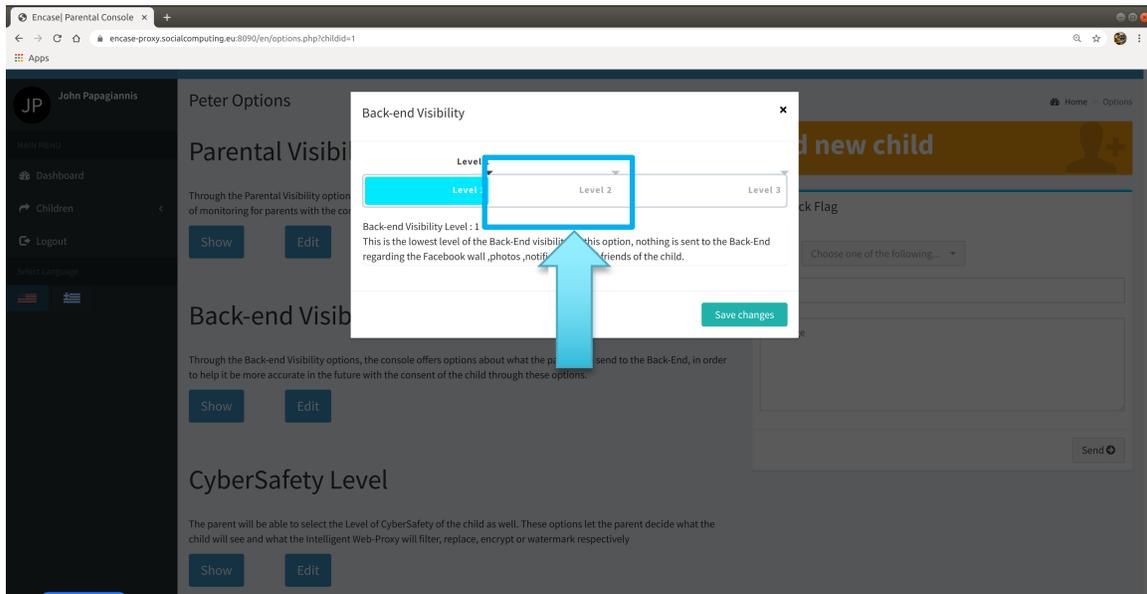


To edit current options:

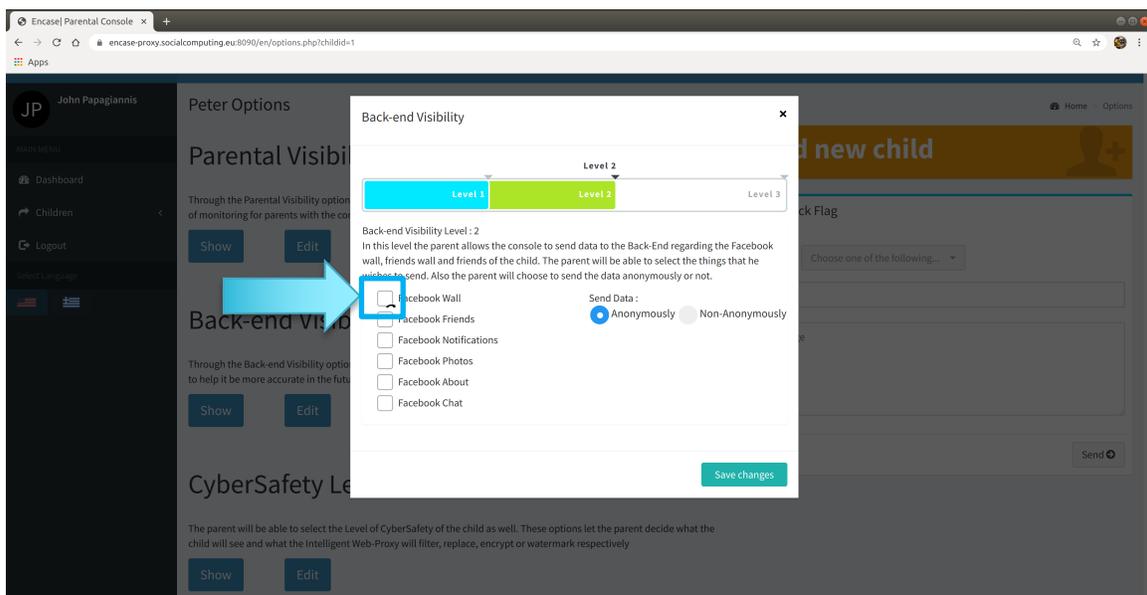
1. Click on 'Edit'

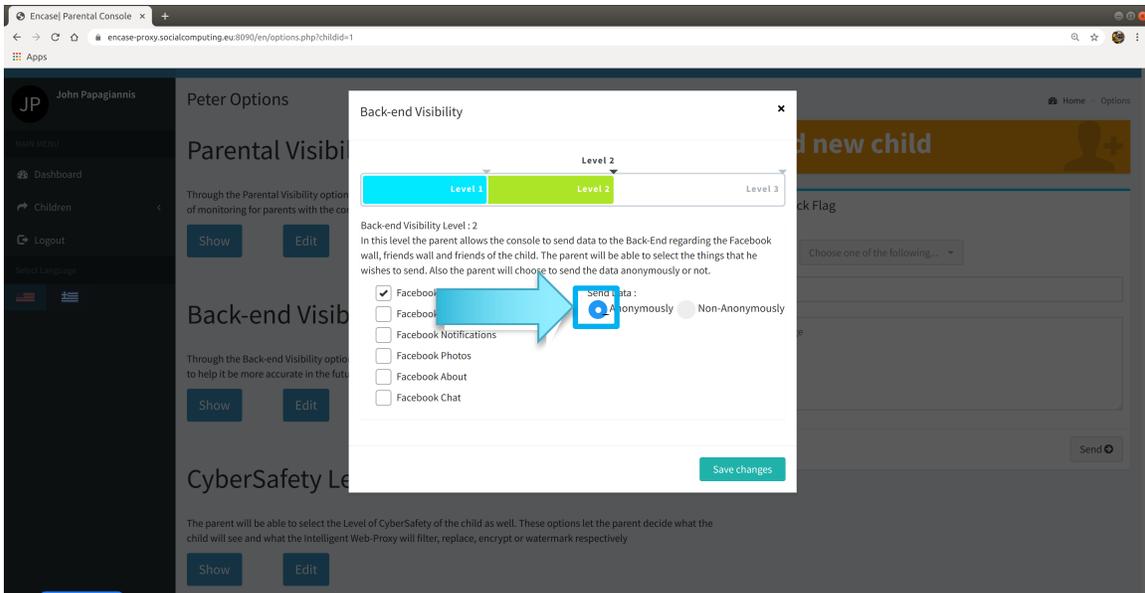


2. Click on the Level # to see details about the specific level

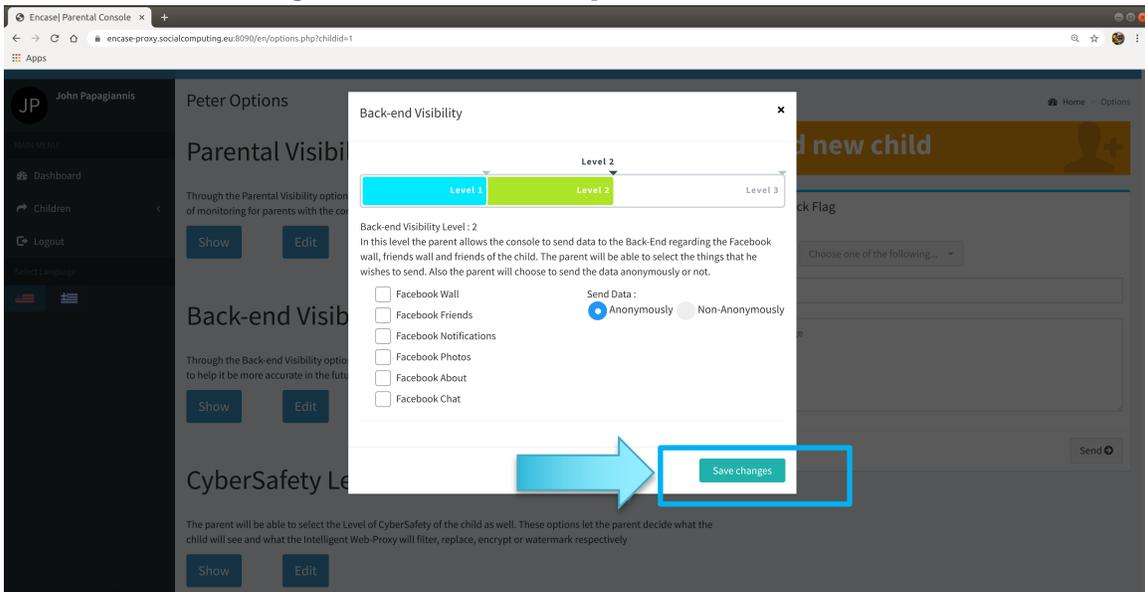


3. Click on the check box to select an item from the list





4. Click on 'Save Changes' to set the selected options

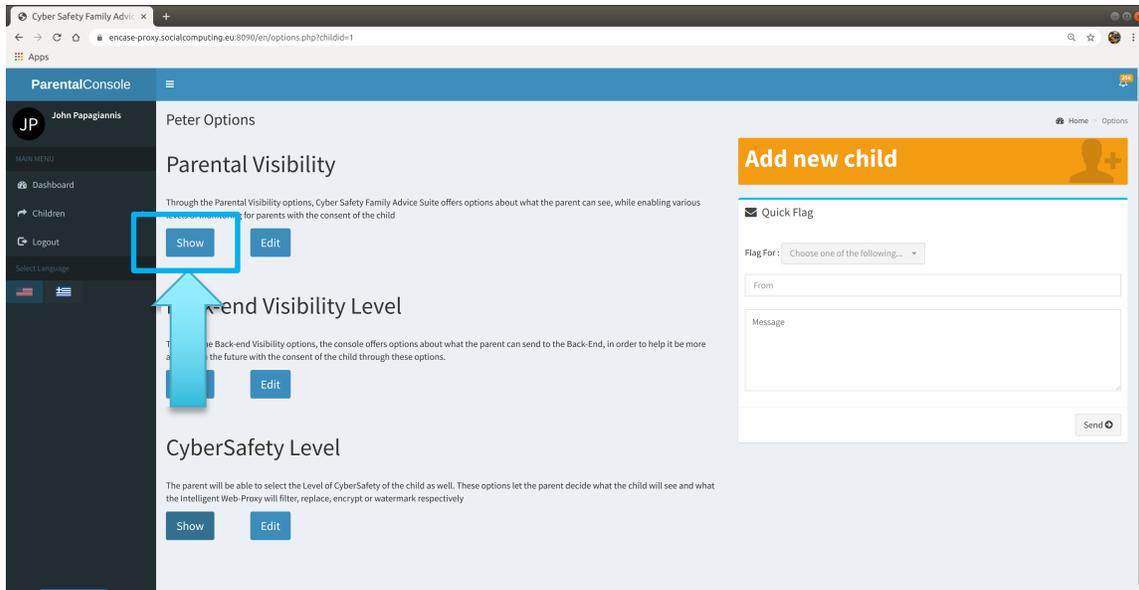


2.2.8 For Cybersecurity Level Options: Show/Hide/Edit current options

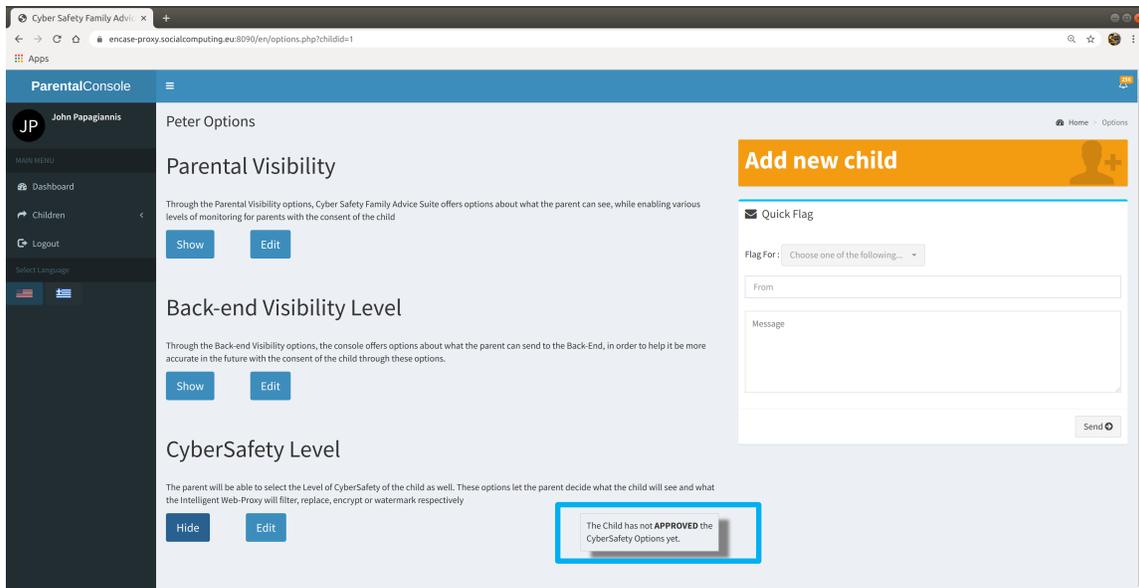
These options set the content CFAS will filter/encrypt/encode for the child's Facebook account.

To show the current options:

1. Click on 'Show'

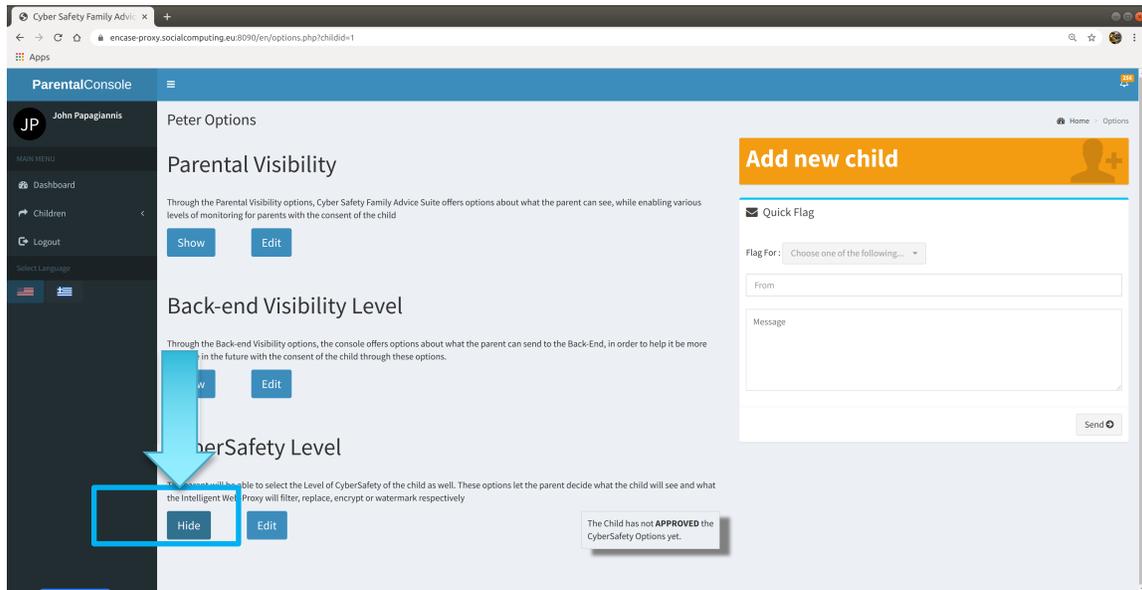


2. See the current options on the right



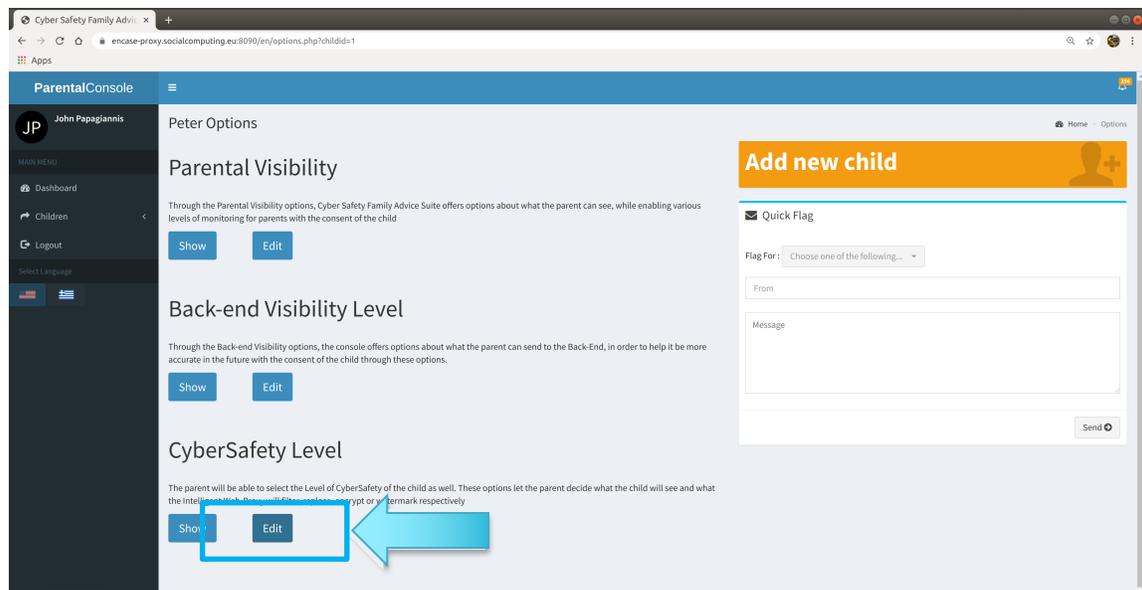
To hide the current options:

1. Click on 'Hide'

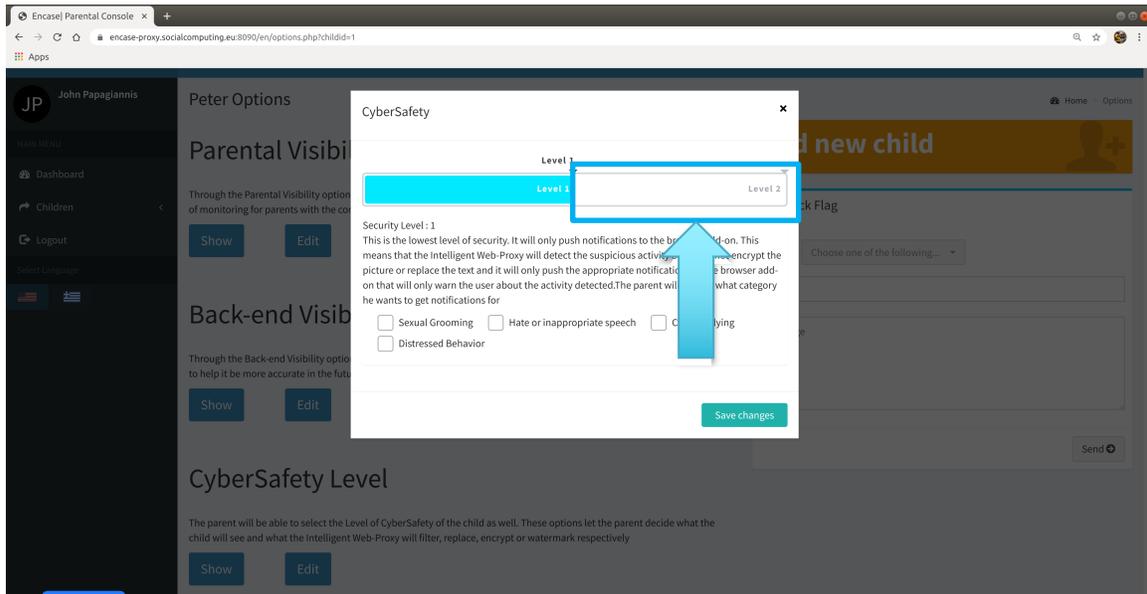


To edit the current options:

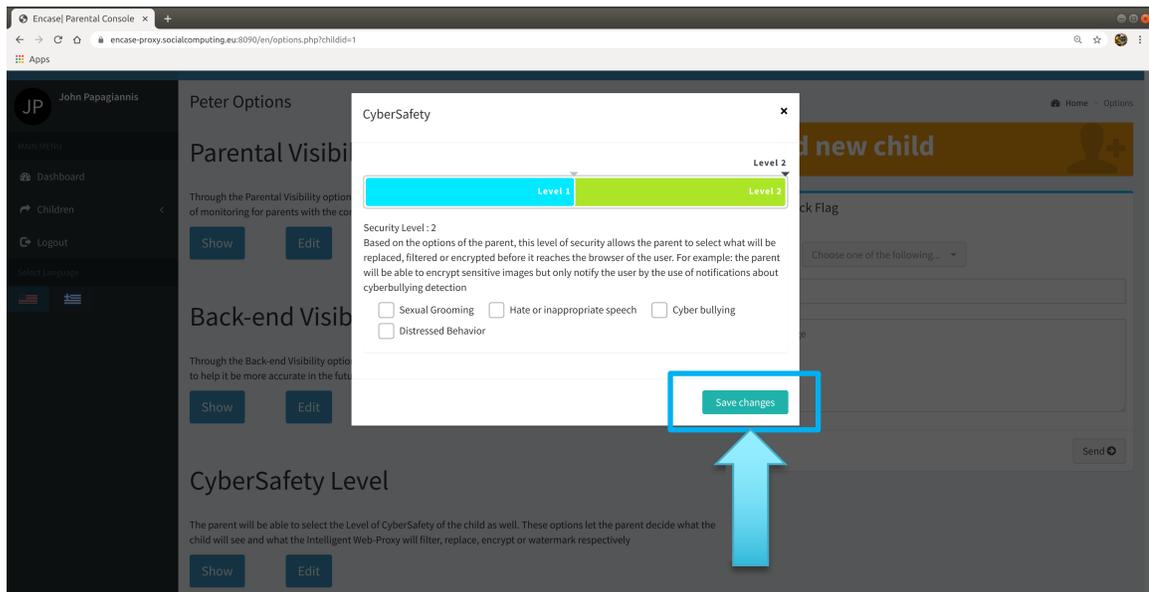
1. Click on 'Edit'



2. Click on Level # to see the details about a specific level

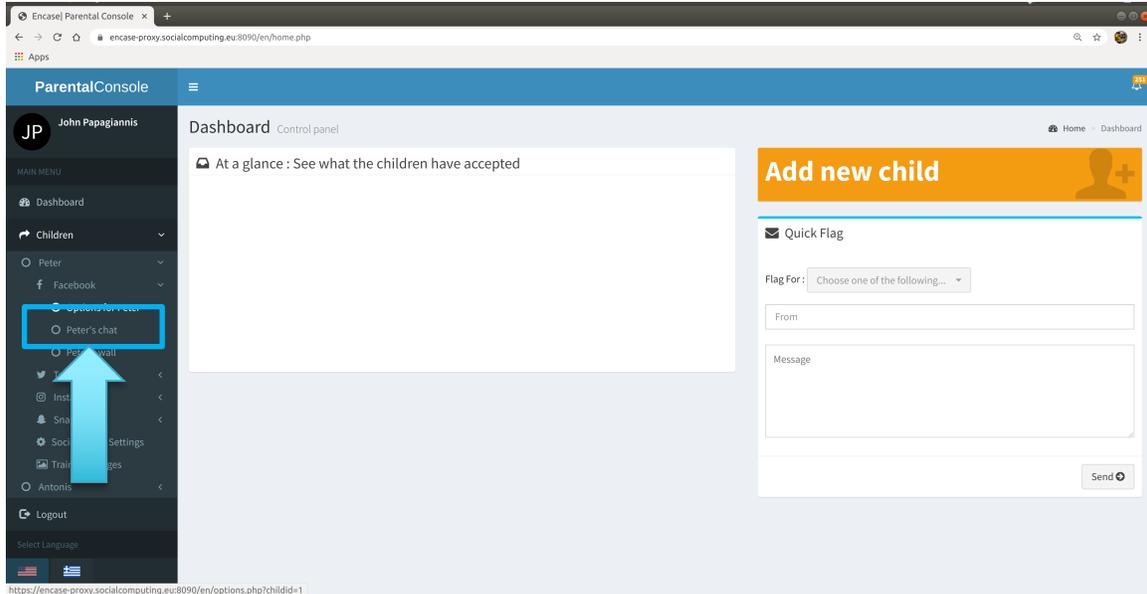


3. Click 'Save changes ' to set the options

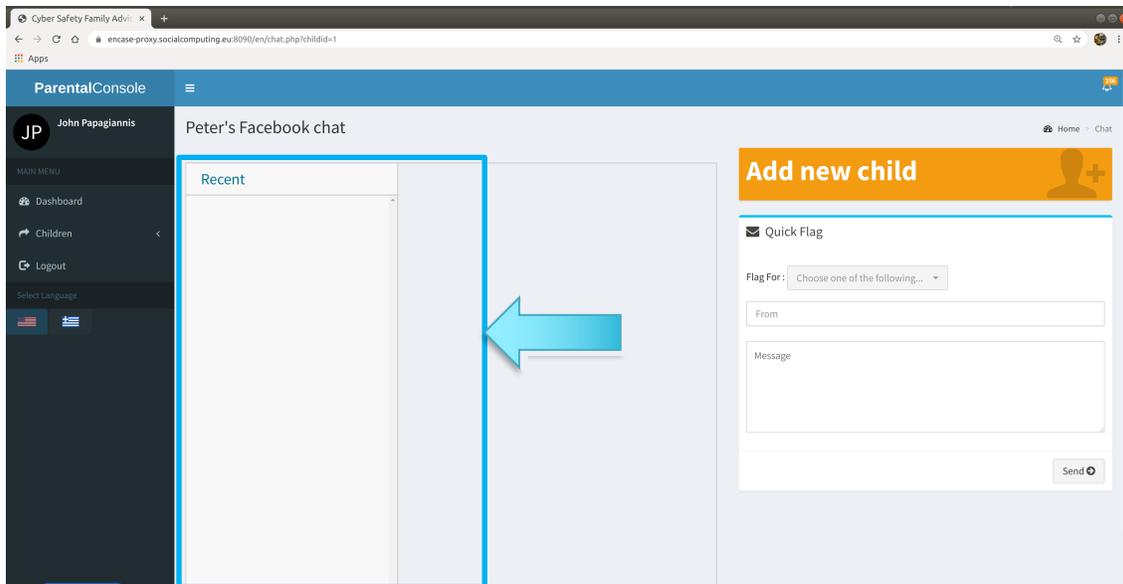


2.2.9 See details for child's Chat on Facebook

1. Click on "<Child's name> Chat" e.g. "Peter's"

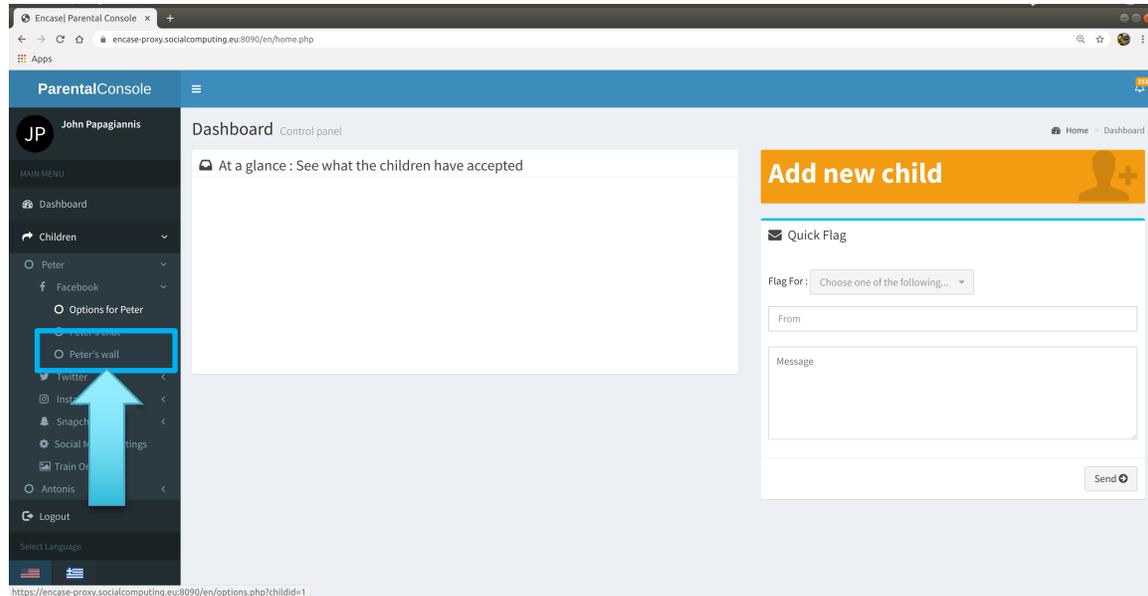


2. Child's Facebook Chat

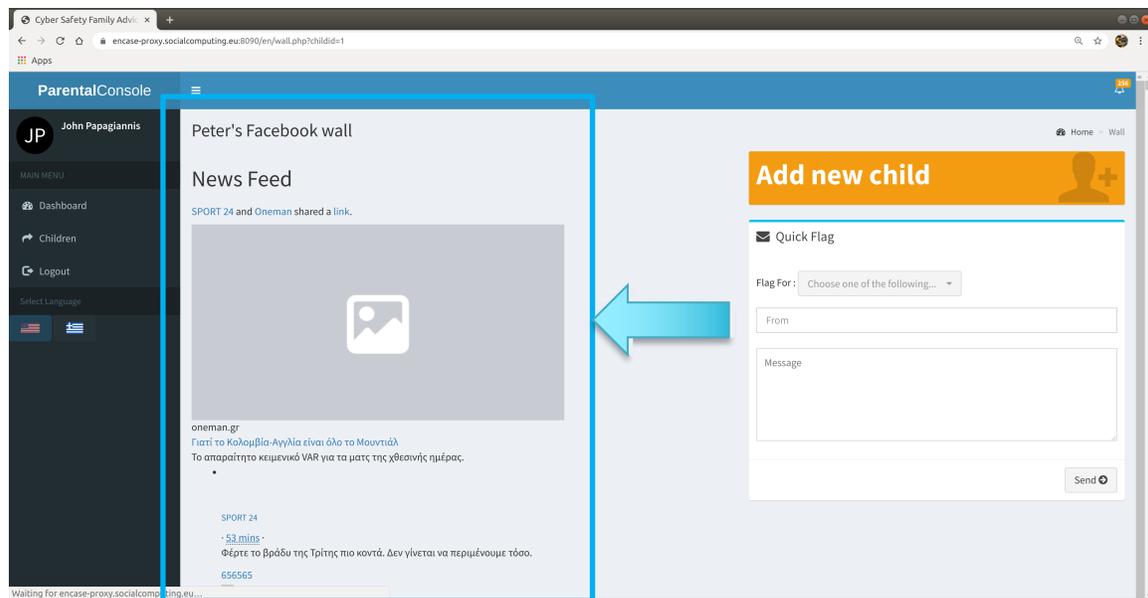


2.2.10 See details for child's Wall

1. Click on "< Child's name> Wall" e.g. "Peter's"

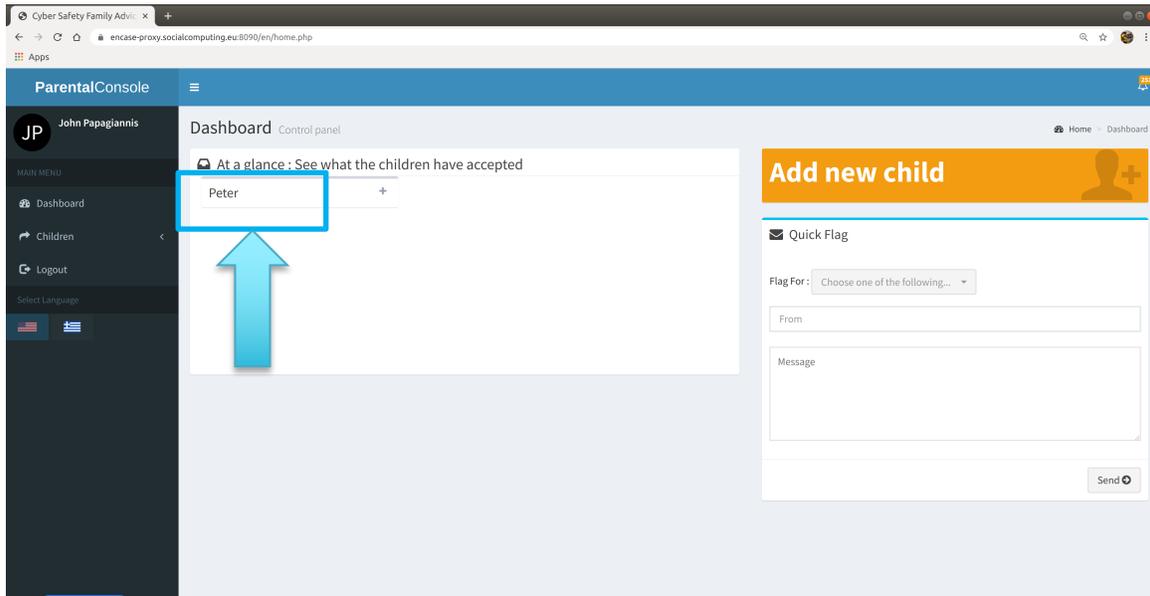


2. See the child's wall details

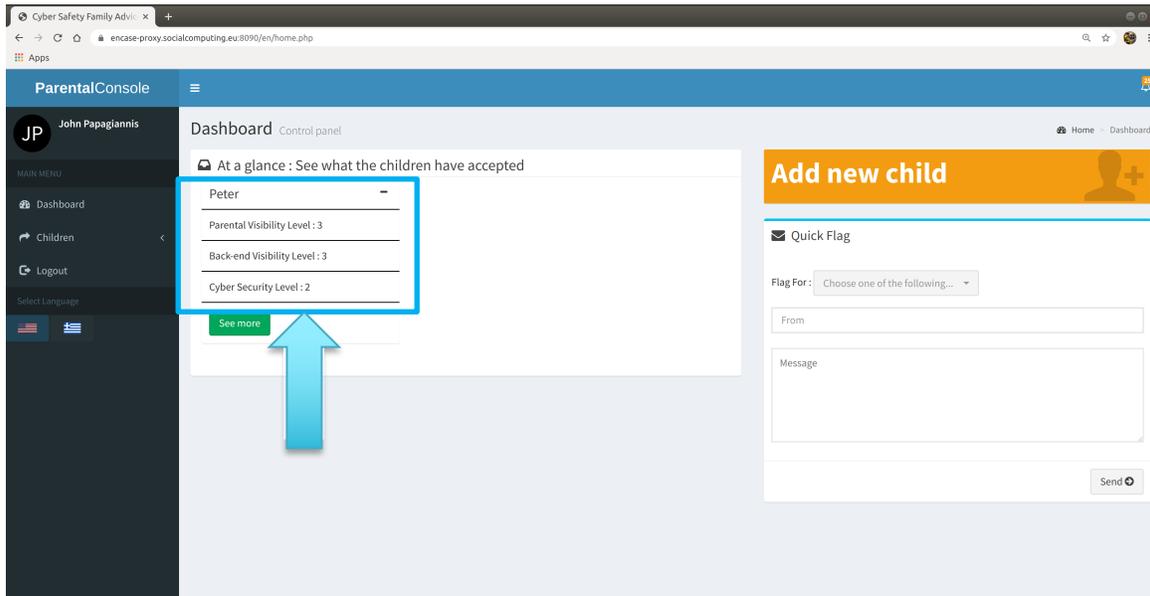


2.2.11 See what the child approved after setting the options at a glance

1. Click on "Child 's name" e.g."Peter"

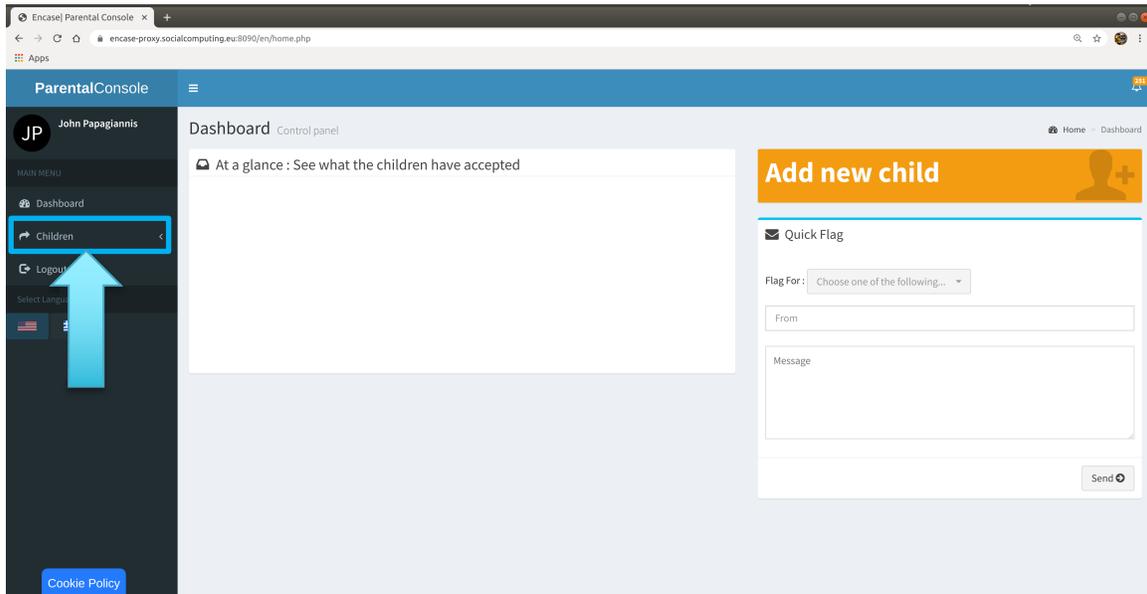


2. See what child approved

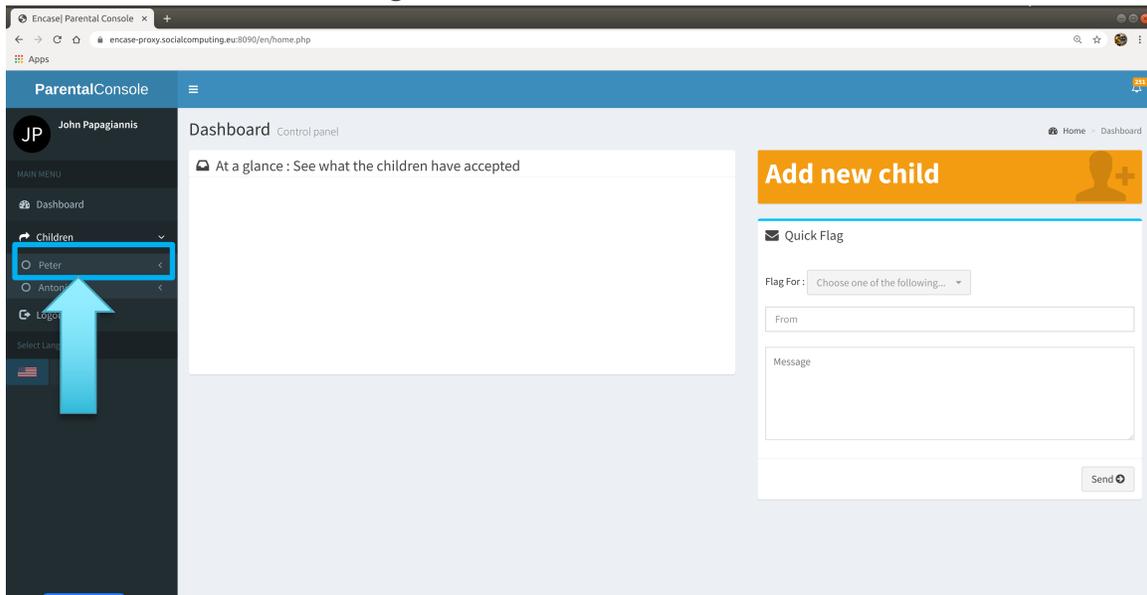


2.2.12 Block Unwanted Sites for a child

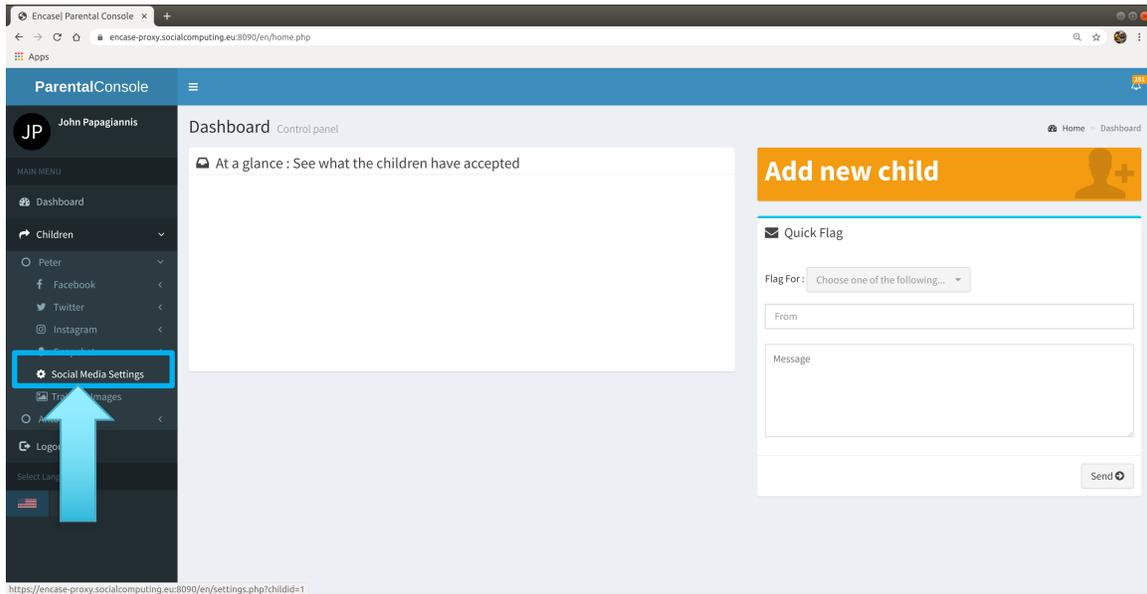
1. Select 'Children'



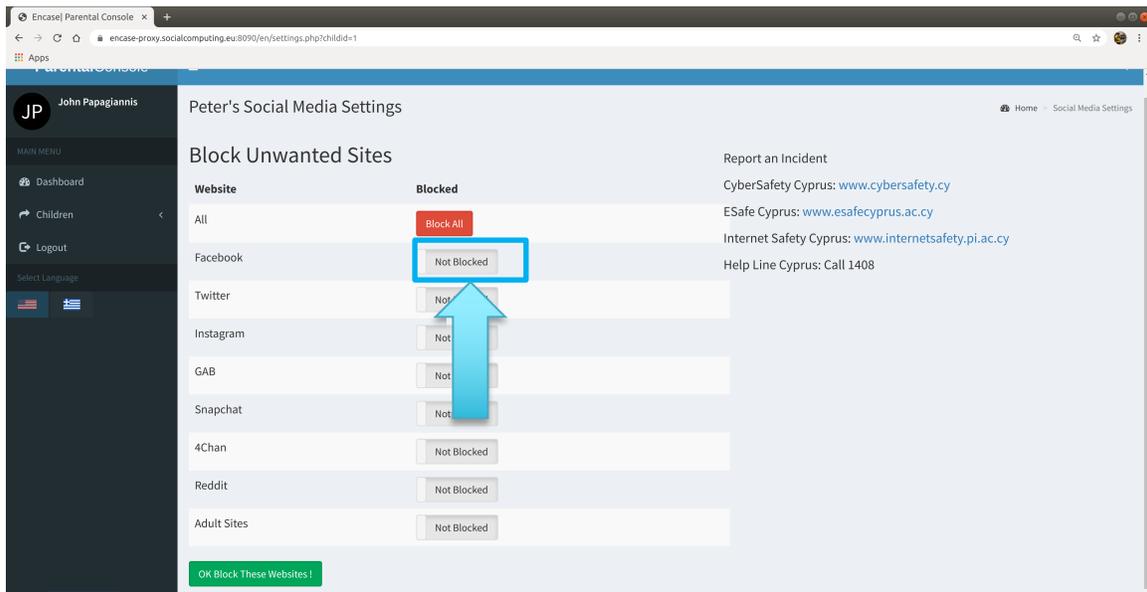
2. Select "Child's name" e.g. "Peter"



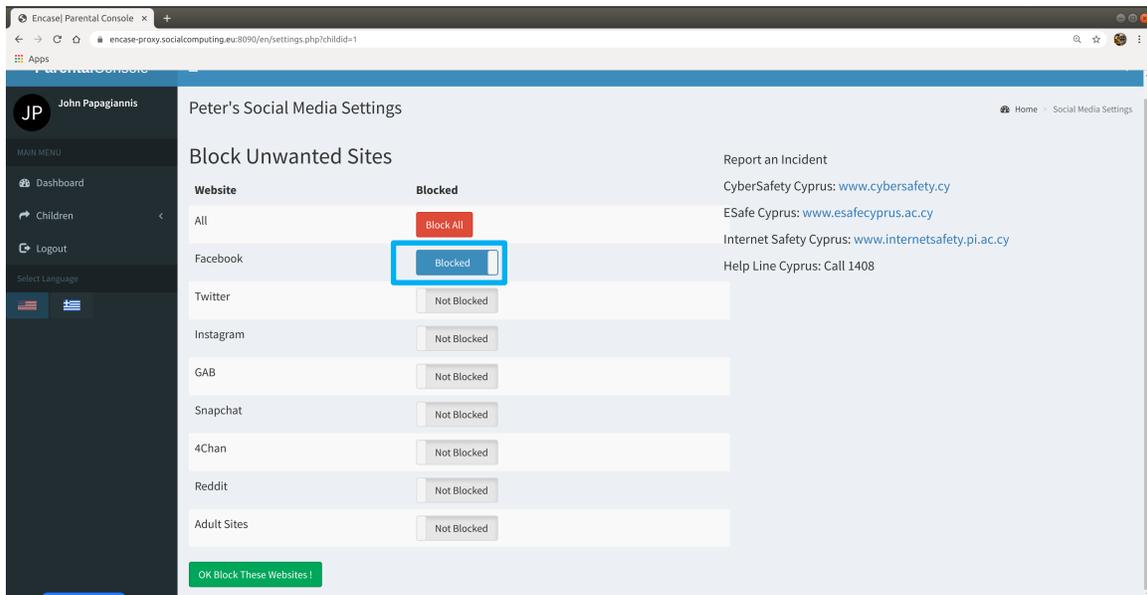
3. Select “Social Media Settings”



4. To block a social network for the child click on ‘Not blocked’ button next to the social network name on the list

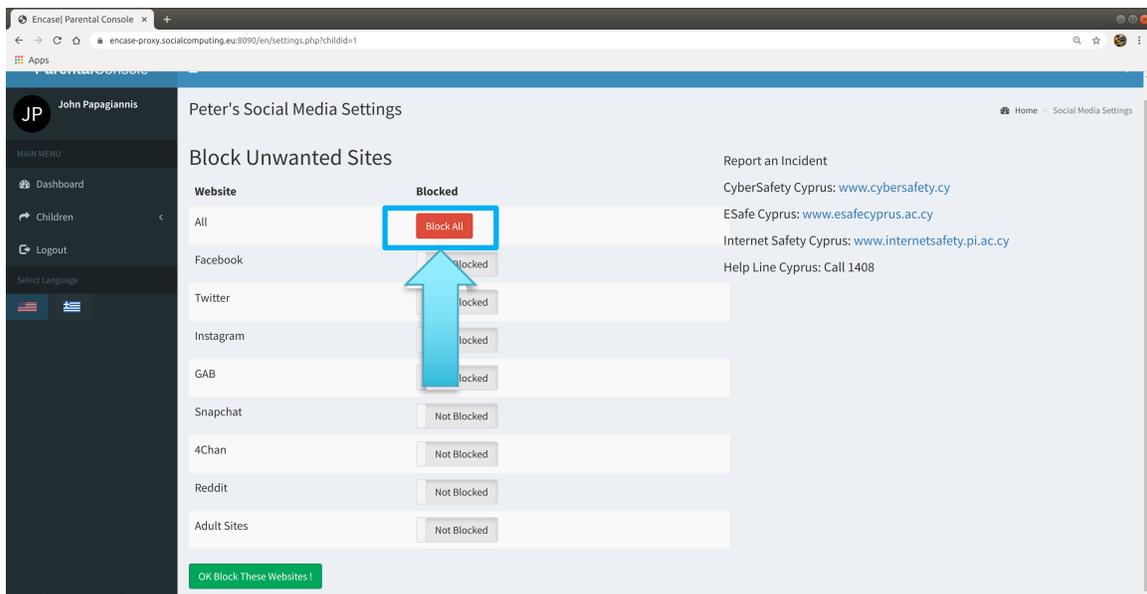


5. See the button turns to “Blocked” status

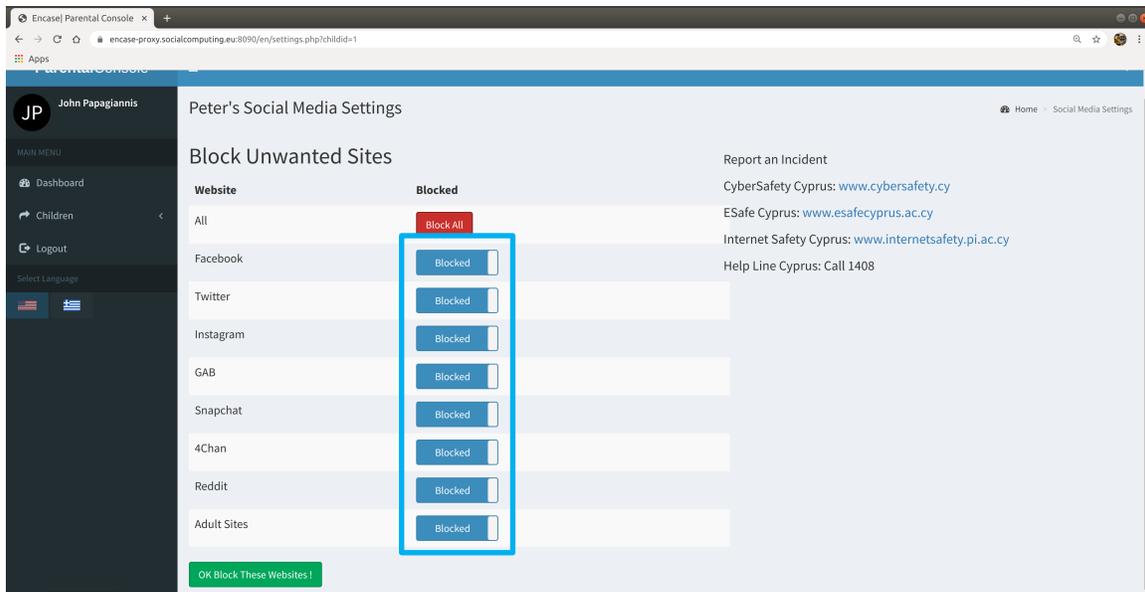


Or to block all Social media sites in the list

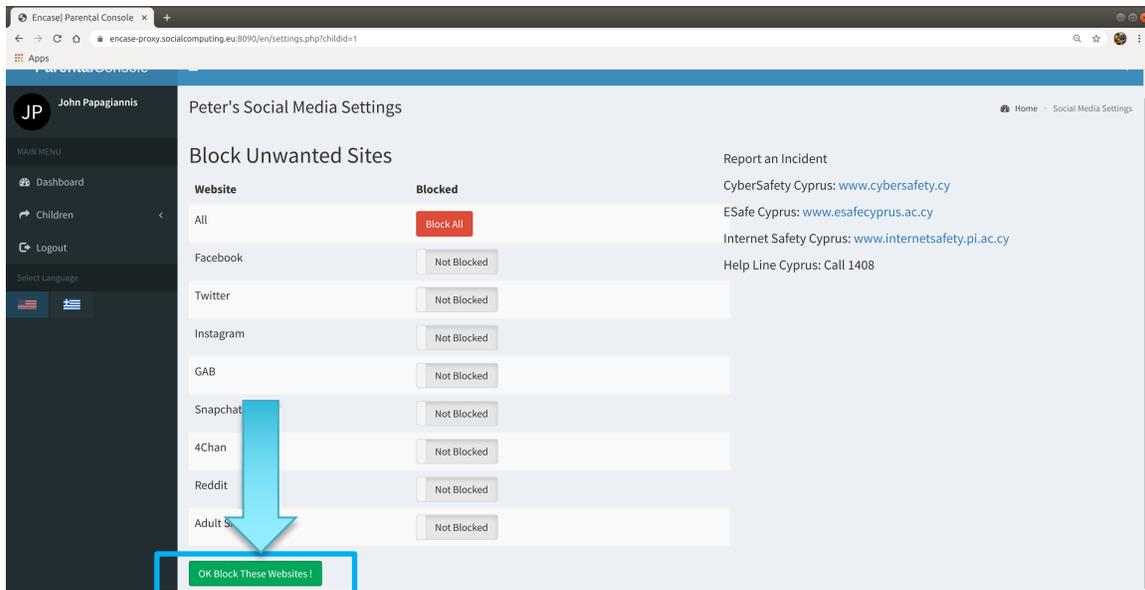
1. Click on “Block All”



2. See all the buttons turn to “Blocked” status



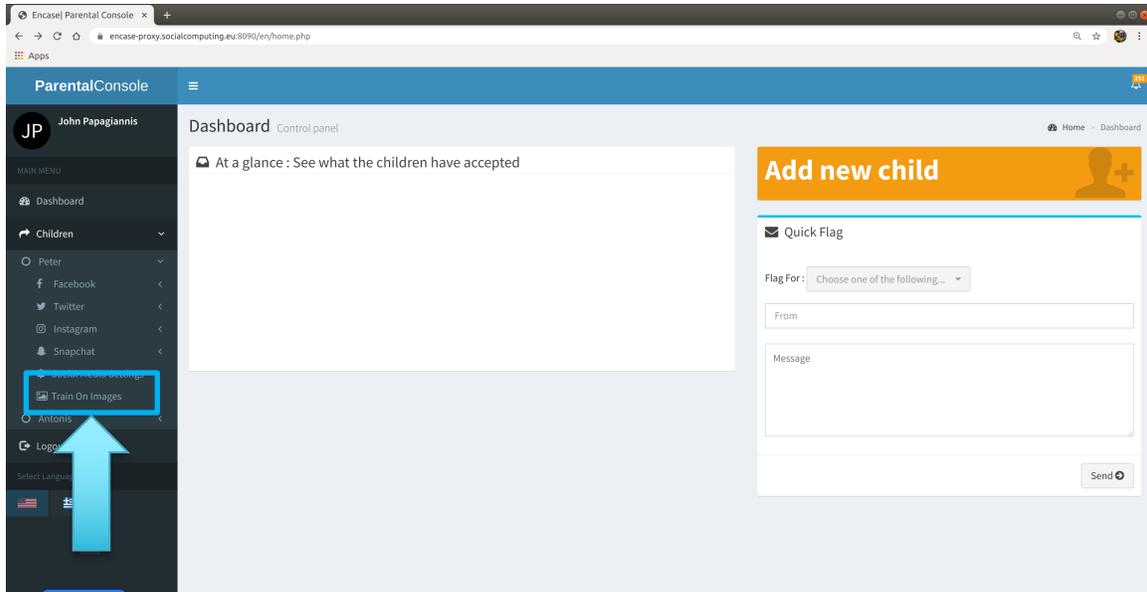
3. Click on 'OK block These Websites' to save changes



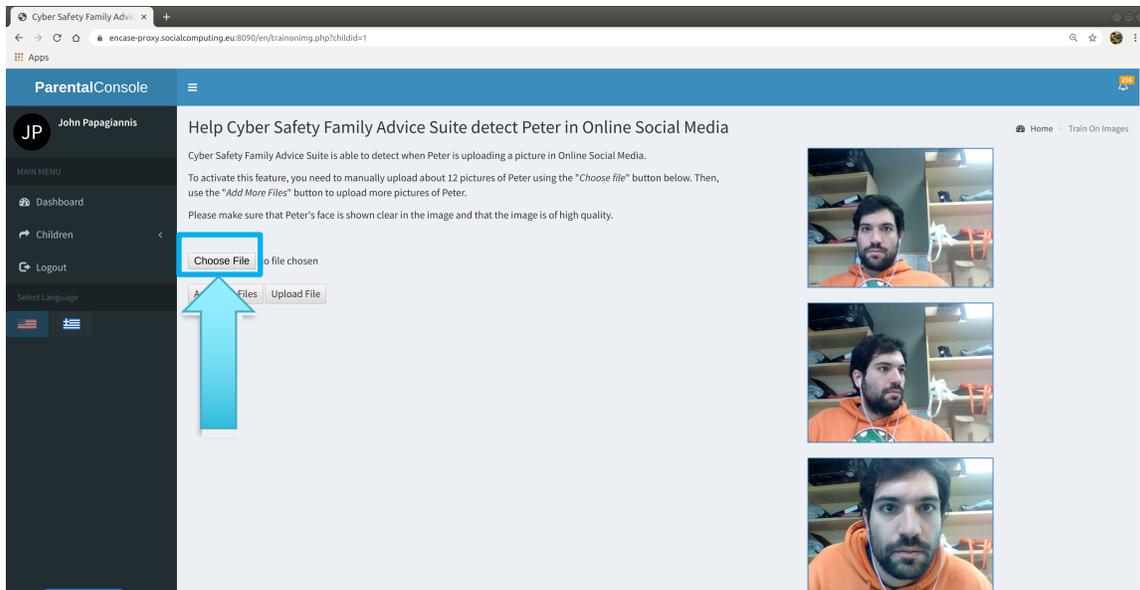
2.2.13 Train on child Image to help CFAS to detect child in online social media

To add one image file for training

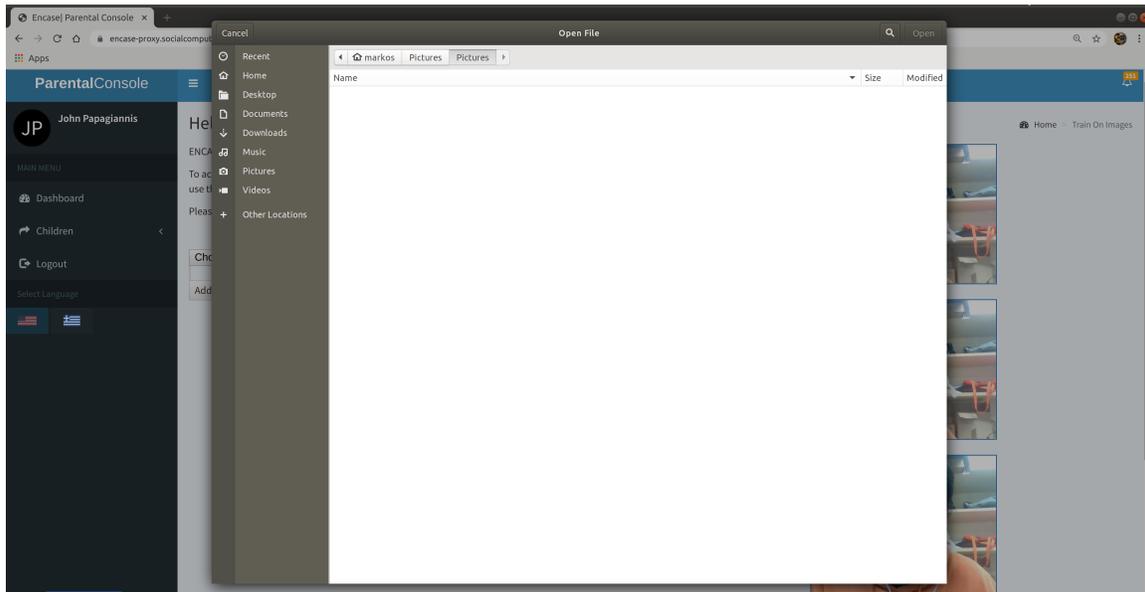
1. Click on “Train on Images”



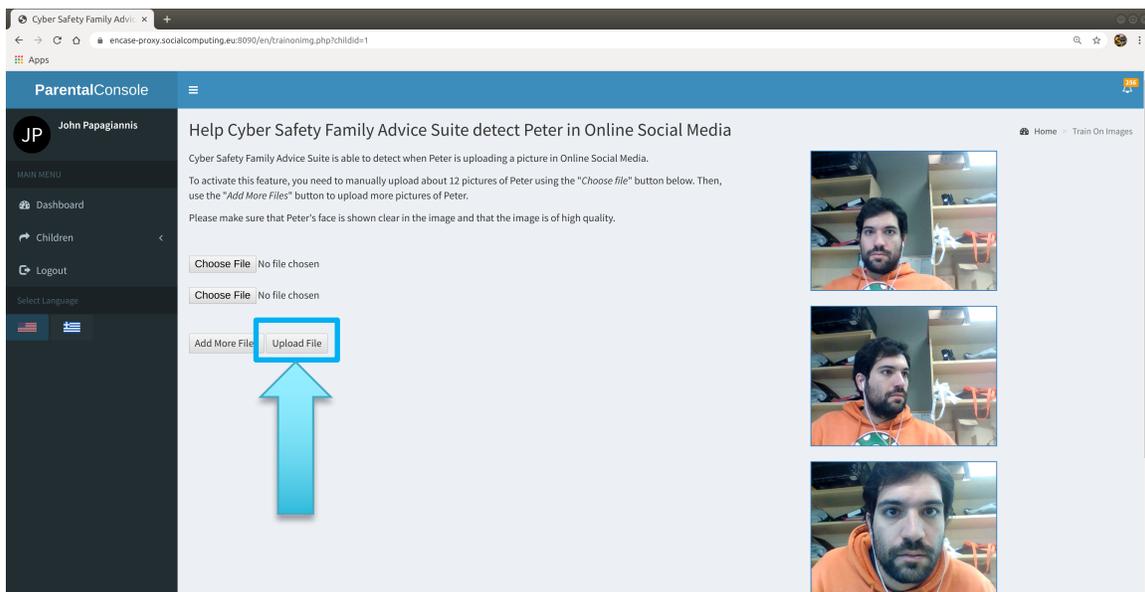
2. Click on “Choose File”



3. Select the image from the file explorer

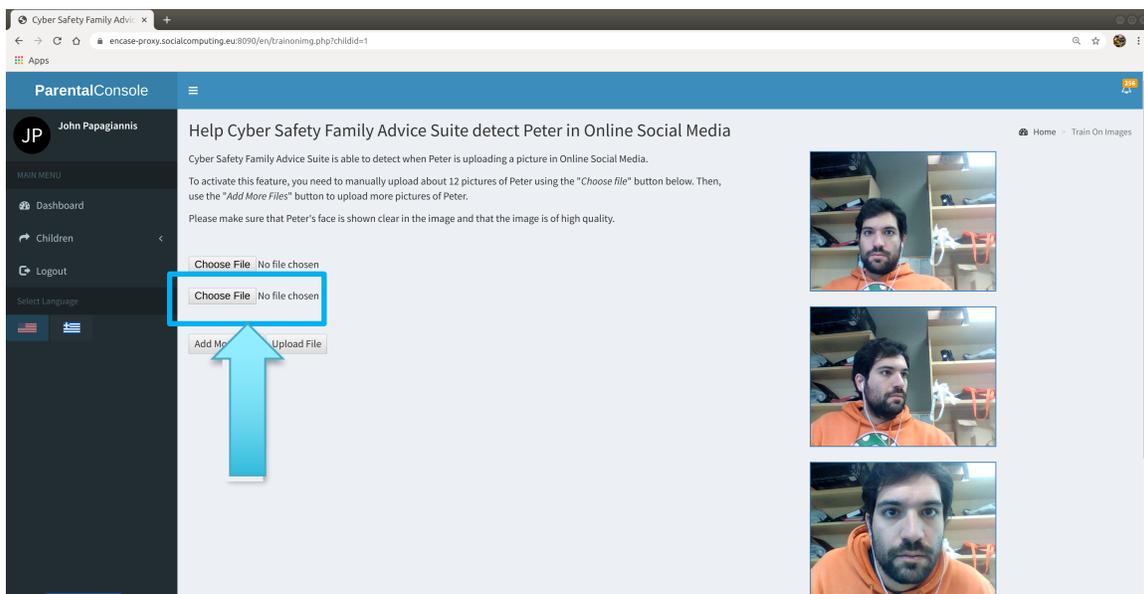


4. Click on "Upload file" to upload the image



To add more than one image

1. Click on 'Add more files as many times as the number of images you want to add, after clicking on it new 'Choose File' buttons will appear on the screen



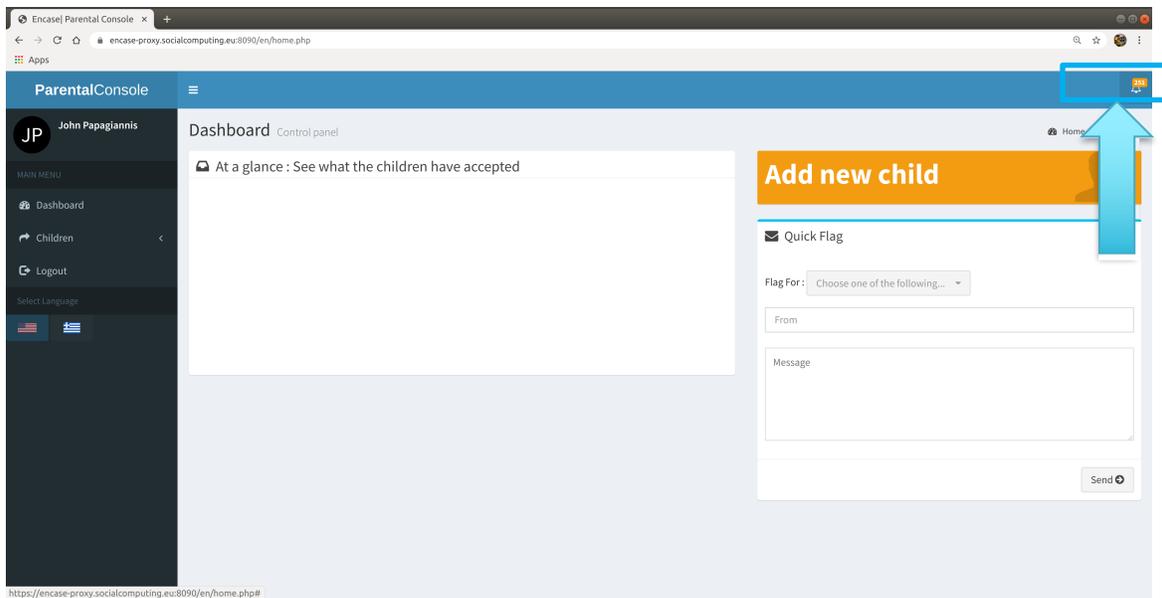
2. For each image you want to add repeat the steps mentioned in *"To add one image file for training"*

3. Click on 'Upload file' to upload the images

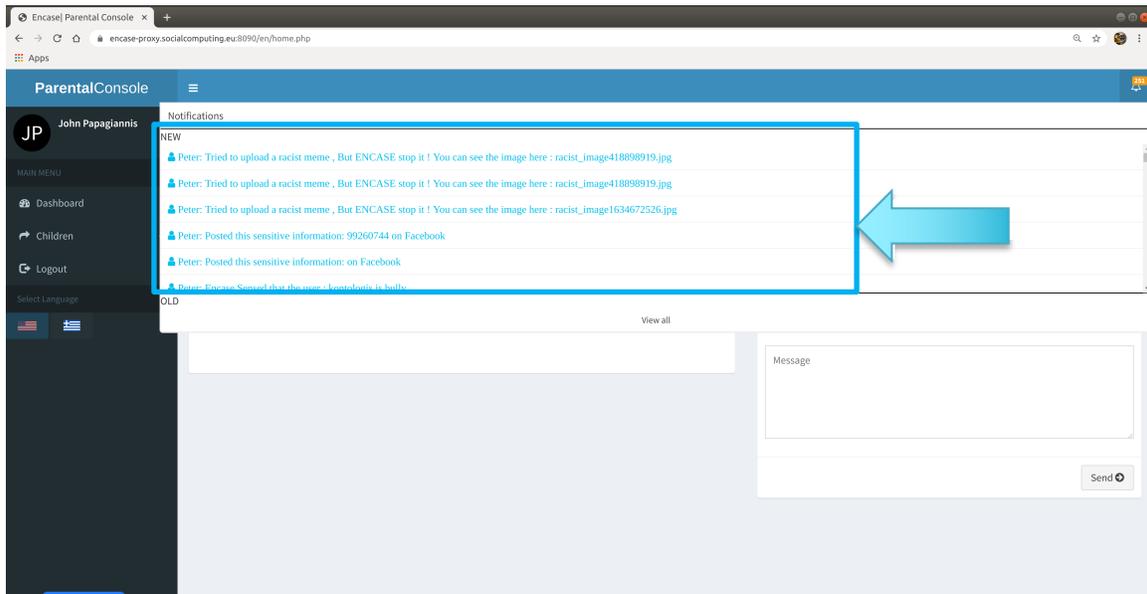


2.2.14 See notifications

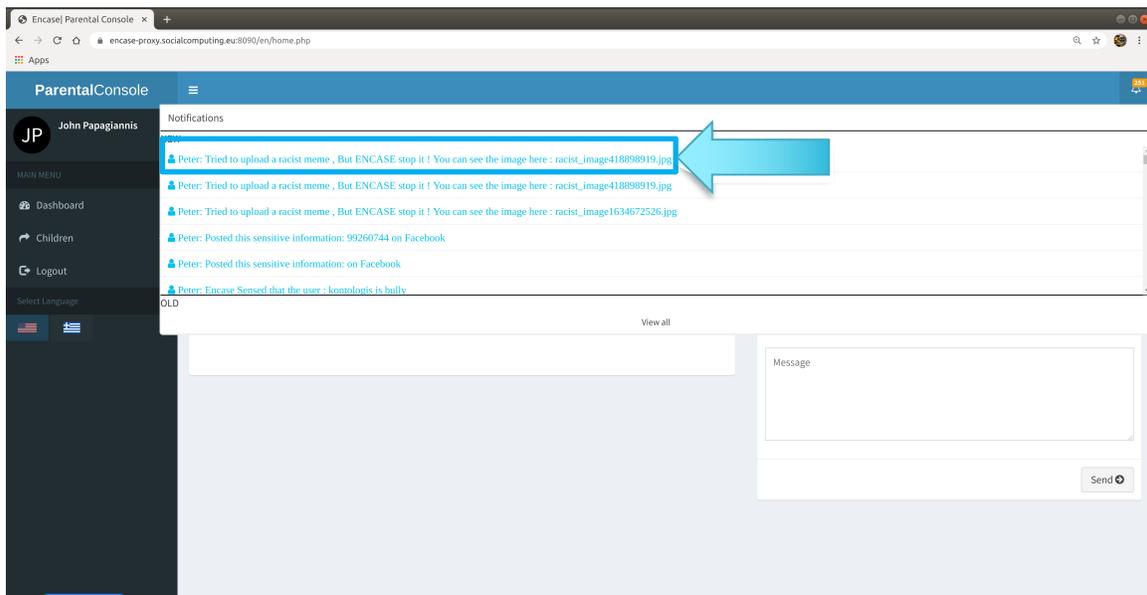
1. Click on notification icon



2. Find New notification in the notification list



3. Click on notification to open

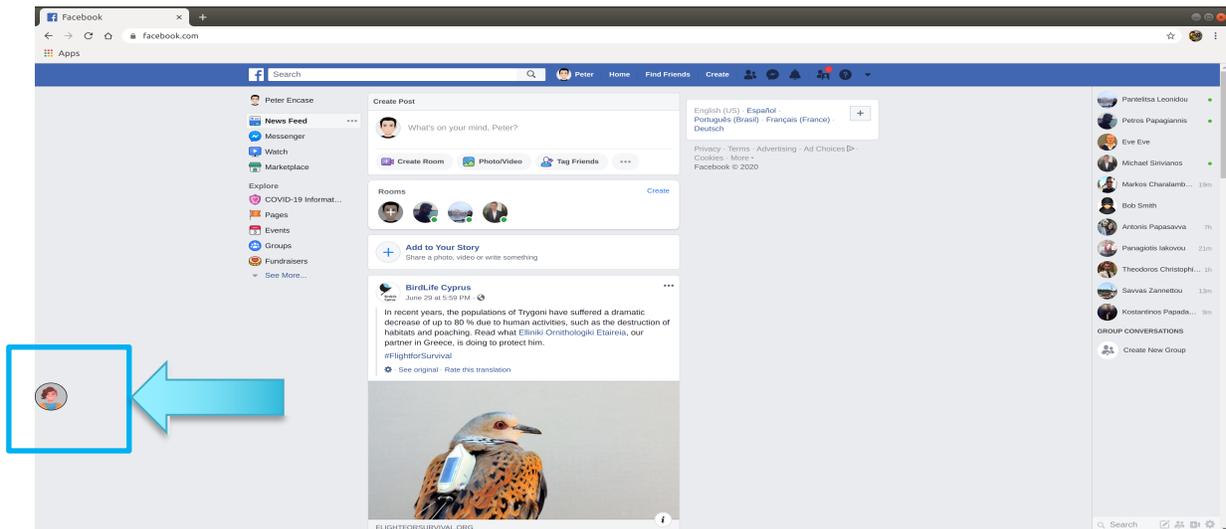


2.3 Browser Add-on with the Guardian Avatar for Children

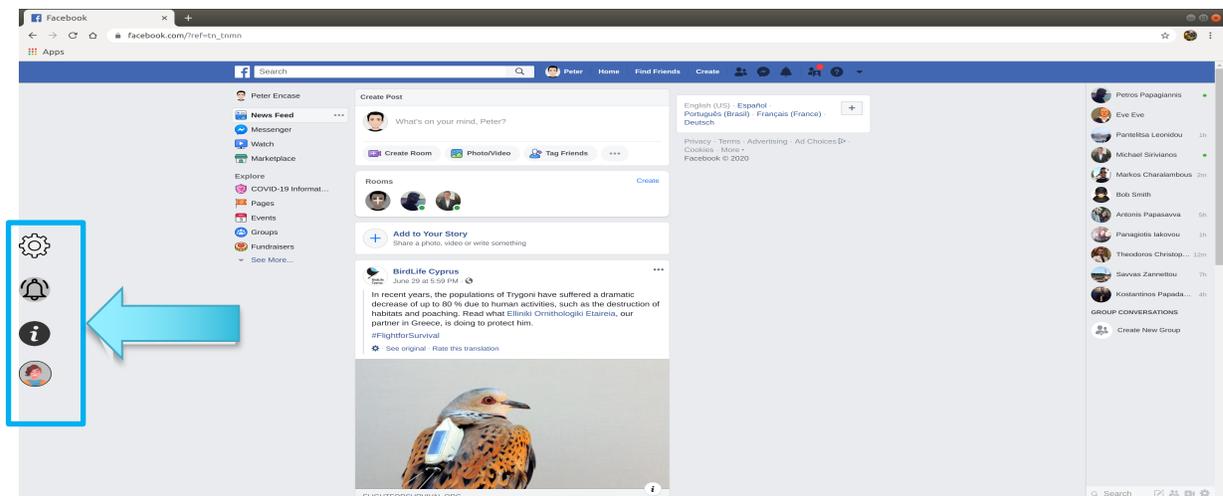
This section describes all the actions a child can take through the Browser Add-on with the Guardian Avatar.

2.3.1 See Guardian Avatar's functionalities

1. Click on Avatar Icon as shown below

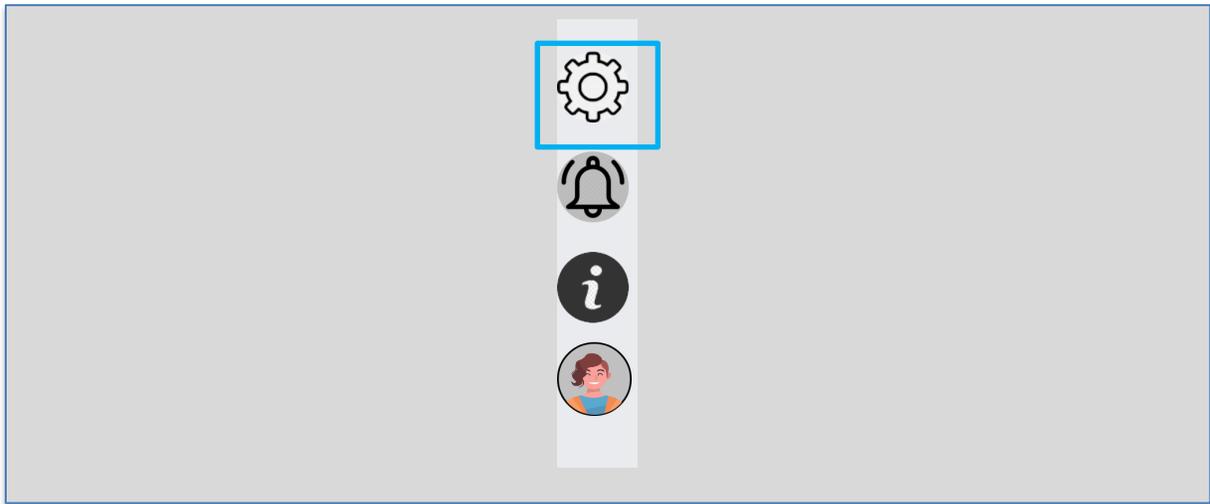


2. You can see the available options

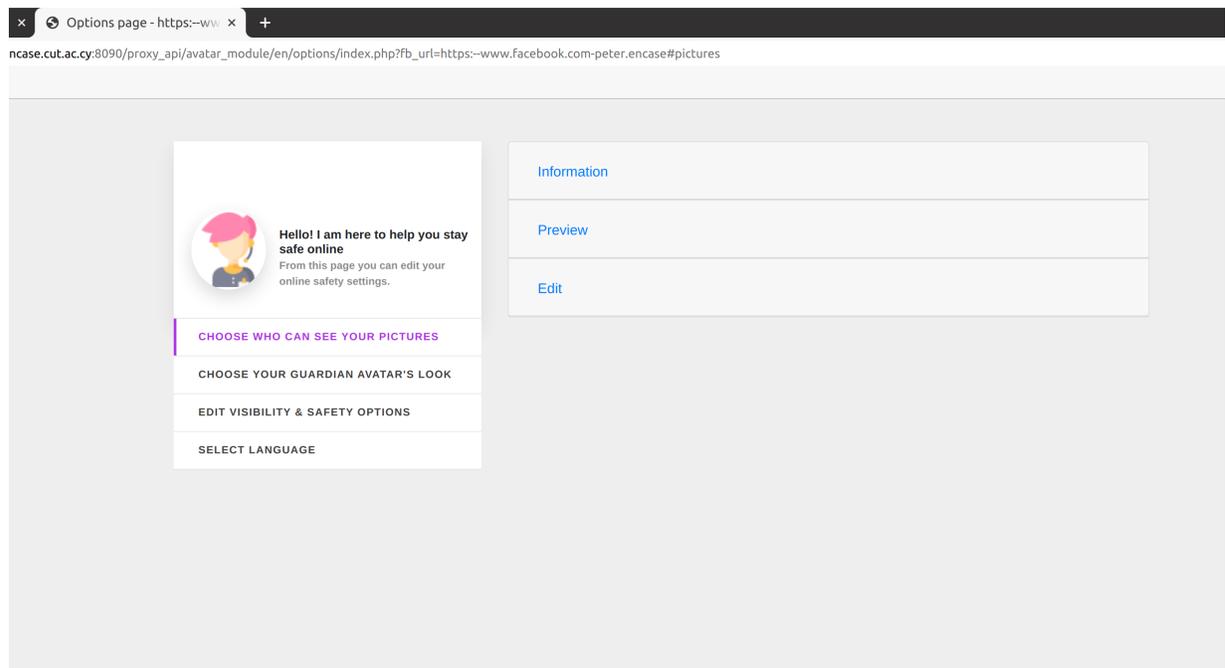


2.3.2 See Guardian Avatar's Settings

1. Click on the Settings icon



2. The Guardian Avatar Settings page is shown in the following image.

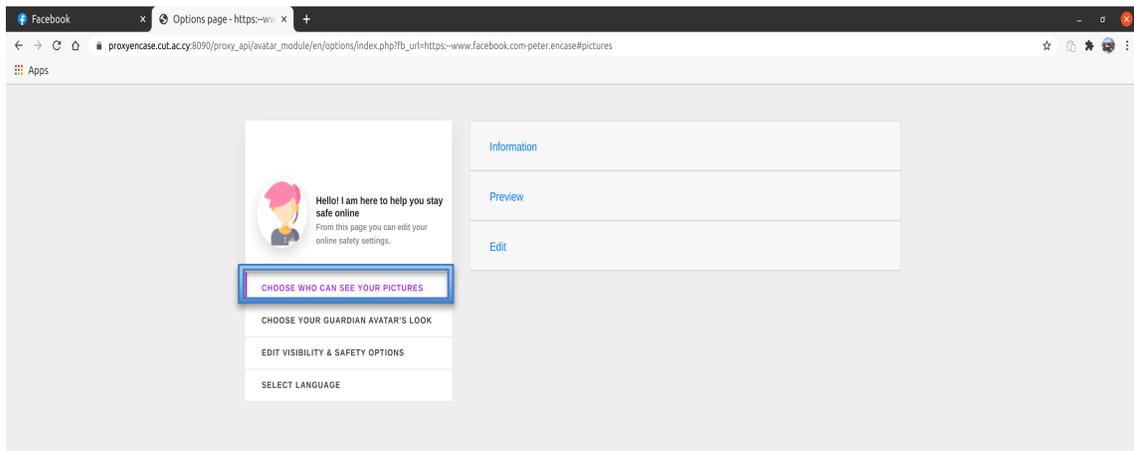


2.3.3 Settings: Choose who can see your pictures

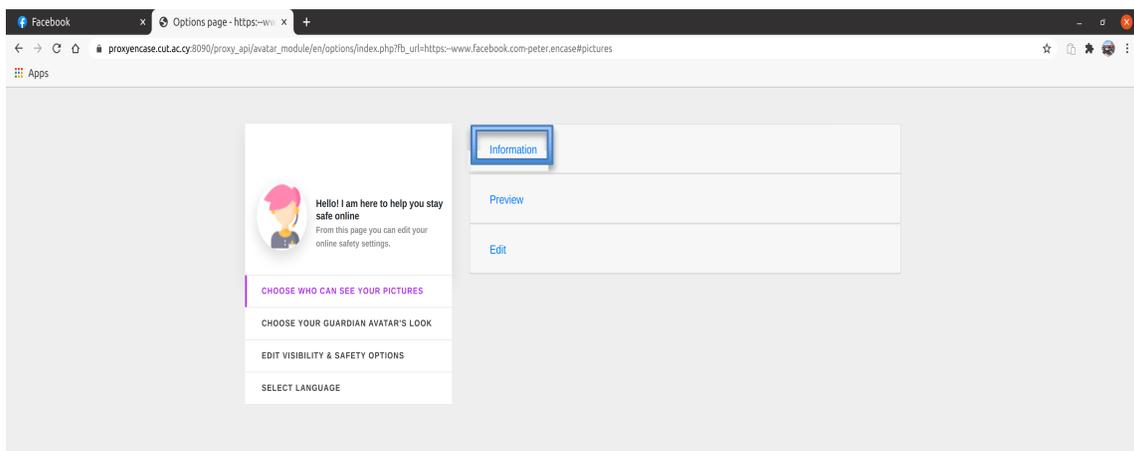
From the settings you can preview/edit who can see your posted images by adding the Facebook accounts under the corresponding lists (friend, family, school). You will be able to choose which group can see your posts when you upload the photo on Facebook through the CFAS. Whoever is not in that lists won't be able to see your photo but a custom CFAS image that inform him/her that the post is protected by the CFAS.

2.3.3.1 Information for the Settings: Choose who can see your pictures

1. Click on "Choose who can see your pictures"



2. To see related information for this settings, click on "Information"



3. See the relevant information regarding these settings

je - https://ww x +

oxy_api/avatar_module/en/options/index.php?fb_url=https://www.facebook.com-peter.encase

Hello! I am here to help you stay safe online
From this page you can edit your online safety settings.

- CHOOSE WHO CAN SEE YOUR PICTURES
- CHOOSE YOUR GUARDIAN AVATAR'S LOOK
- EDIT VISIBILITY & SAFETY OPTIONS
- SELECT LANGUAGE

Information

If you upload a picture, Cyber Safety Family Advice Suite automatically protects it with encryption.
From **Preview** tab you can find the list of the accounts that can see your picture, whoever is not in the list, they can not see your uploaded picture.
From the **Edit** tab, you can edit the list by adding/removing an account using his/her Facebook URL.

Preview

Edit

2.3.3.2 Preview Settings: Choose who can see your pictures

1. Click "Preview" to see the current settings

Facebook x Options page - https://ww x +

proxyencase.cut.ac.cy:8090/proxy_api/avatar_module/en/options/index.php?fb_url=https://www.facebook.com-peter.encasepictures

Hello! I am here to help you stay safe online
From this page you can edit your online safety settings.

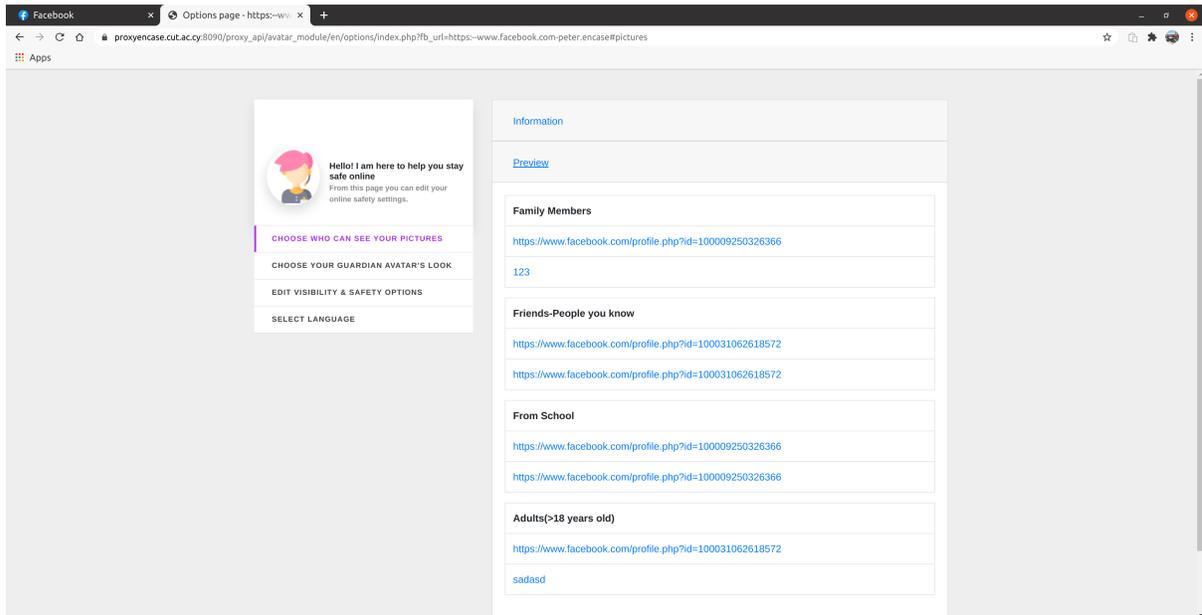
- CHOOSE WHO CAN SEE YOUR PICTURES
- CHOOSE YOUR GUARDIAN AVATAR'S LOOK
- EDIT VISIBILITY & SAFETY OPTIONS
- SELECT LANGUAGE

Information

Preview

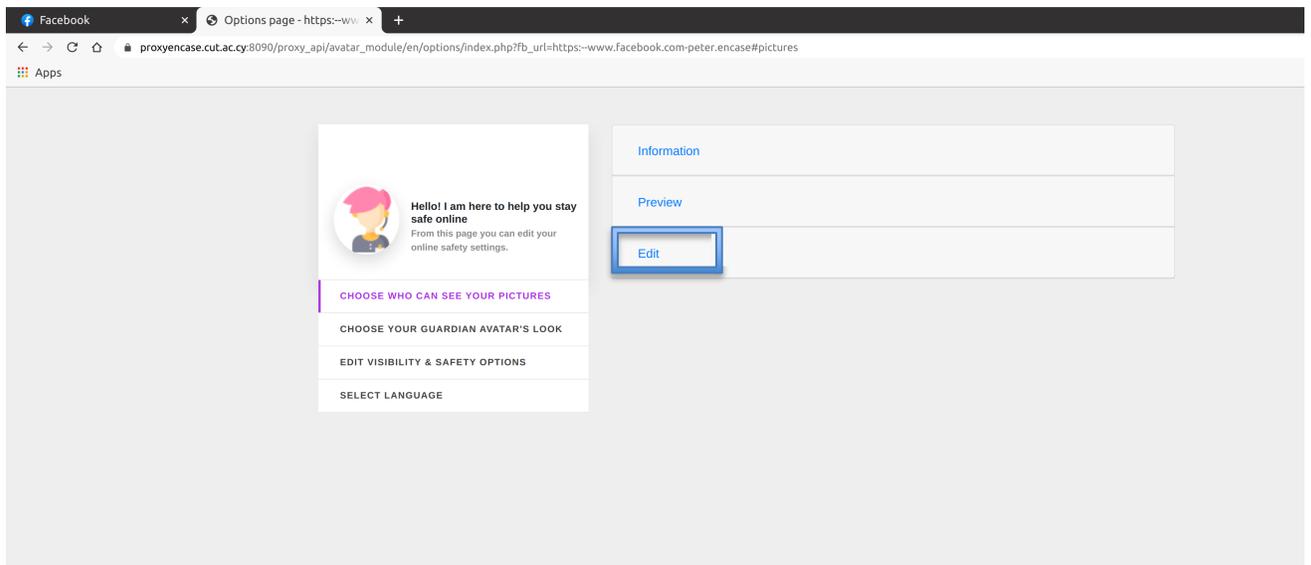
Edit

2. See the current settings for who can see your pictures



2.3.3.3 Edit Settings: Choose who can see your pictures

1. To edit the settings click on "Edit"



2. From the form (shown in the following image) you can add/remove an account under the corresponding group

The image shows a Facebook safety settings interface. On the left, there is a sidebar with a profile picture and a message: "Hello! I am here to help you stay safe online. From this page you can edit your online safety settings." Below this are four menu items: "CHOOSE WHO CAN SEE YOUR PICTURES" (highlighted in purple), "CHOOSE YOUR GUARDIAN AVATAR'S LOOK", "EDIT VISIBILITY & SAFETY OPTIONS", and "SELECT LANGUAGE".

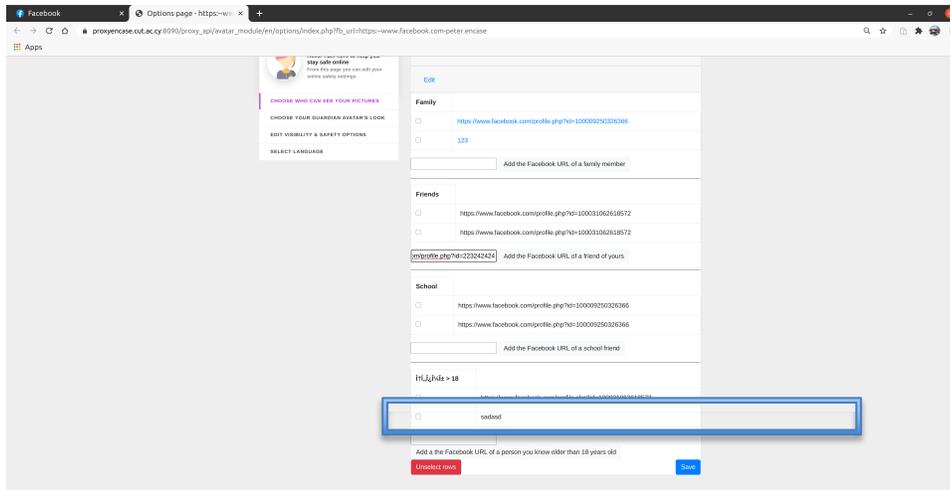
The main content area is titled "Information" and "Edit". It contains four sections for adding accounts:

- Family:** A table with two rows. The first row has a checkbox, a text input field containing "https://www.facebook.com/profile.php?id=100009250326366", and a "Remove" button. The second row has a checkbox, a text input field containing "123", and a "Remove" button. Below the table is a text input field and a button labeled "Add the Facebook URL of a family member".
- Friends:** A table with two rows. The first row has a checkbox, a text input field containing "https://www.facebook.com/profile.php?id=100031062618572", and a "Remove" button. The second row has a checkbox, a text input field containing "https://www.facebook.com/profile.php?id=100031062618572", and a "Remove" button. Below the table is a text input field and a button labeled "Add the Facebook URL of a friend of yours".
- School:** A table with two rows. The first row has a checkbox, a text input field containing "https://www.facebook.com/profile.php?id=100009250326366", and a "Remove" button. The second row has a checkbox, a text input field containing "https://www.facebook.com/profile.php?id=100009250326366", and a "Remove" button. Below the table is a text input field and a button labeled "Add the Facebook URL of a school friend".
- Persons > 18:** A table with two rows. The first row has a checkbox, a text input field containing "https://www.facebook.com/profile.php?id=100031062618572", and a "Remove" button. The second row has a checkbox, a text input field containing "sadasd", and a "Remove" button. Below the table is a text input field and a button labeled "Add a the Facebook URL of a person you know older than 18 years old".

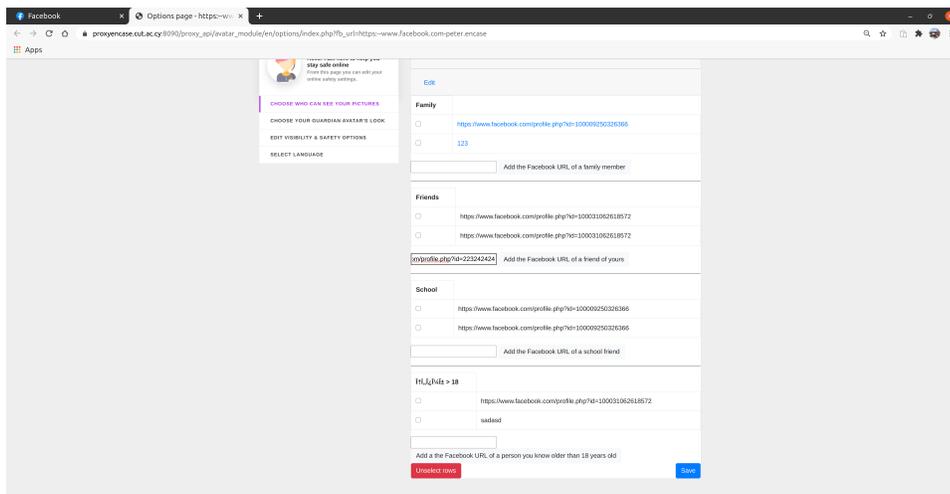
At the bottom of the form, there are two buttons: "Unselect rows" (red) and "Save" (blue).

2.3.3.3.1 Add an account to who can see your photos

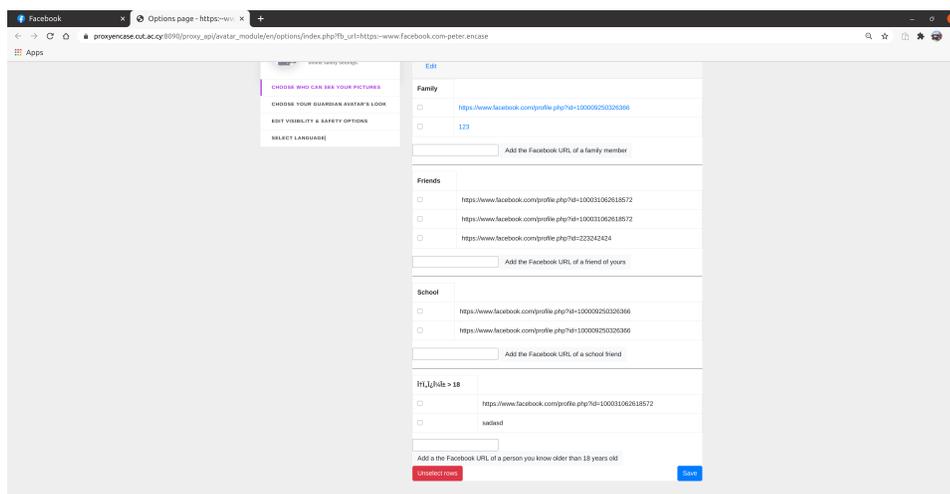
1. Visit the account you want to add on Facebook
2. Copy the URL of his/her profile
(<https://www.facebook.com/profile.php?id=223242424>)
3. Paste the URL under the corresponding group (e.g. Friend) box



4. Click on the button “Add the Facebook URL of a friend of yours”

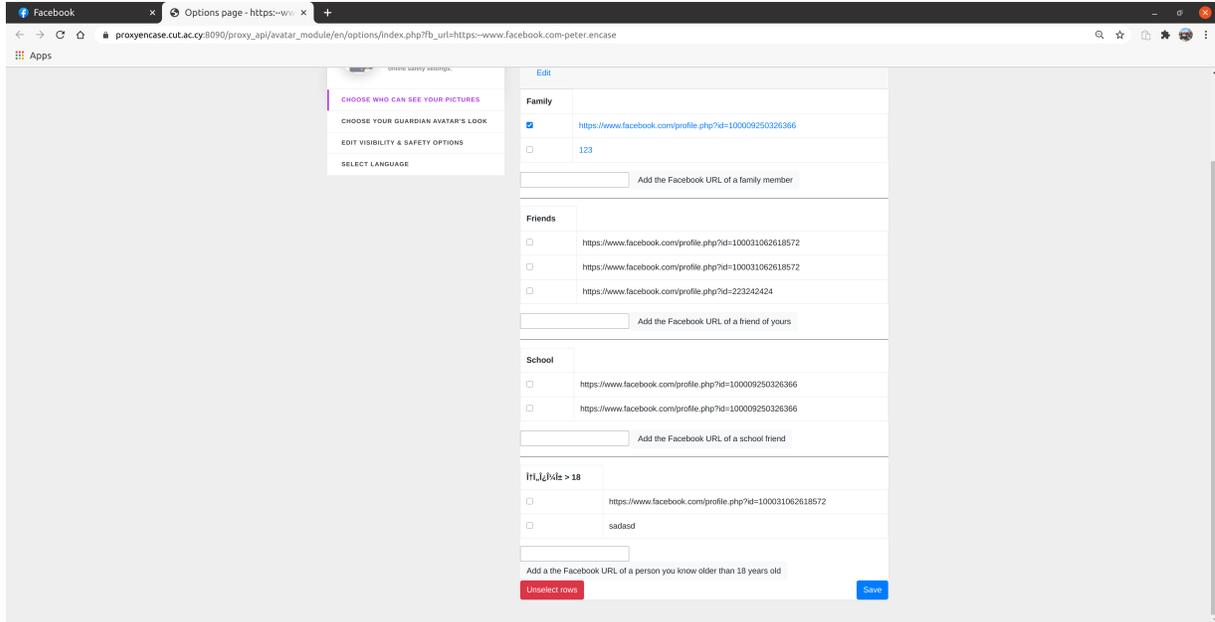


5. Click on the button “Save”

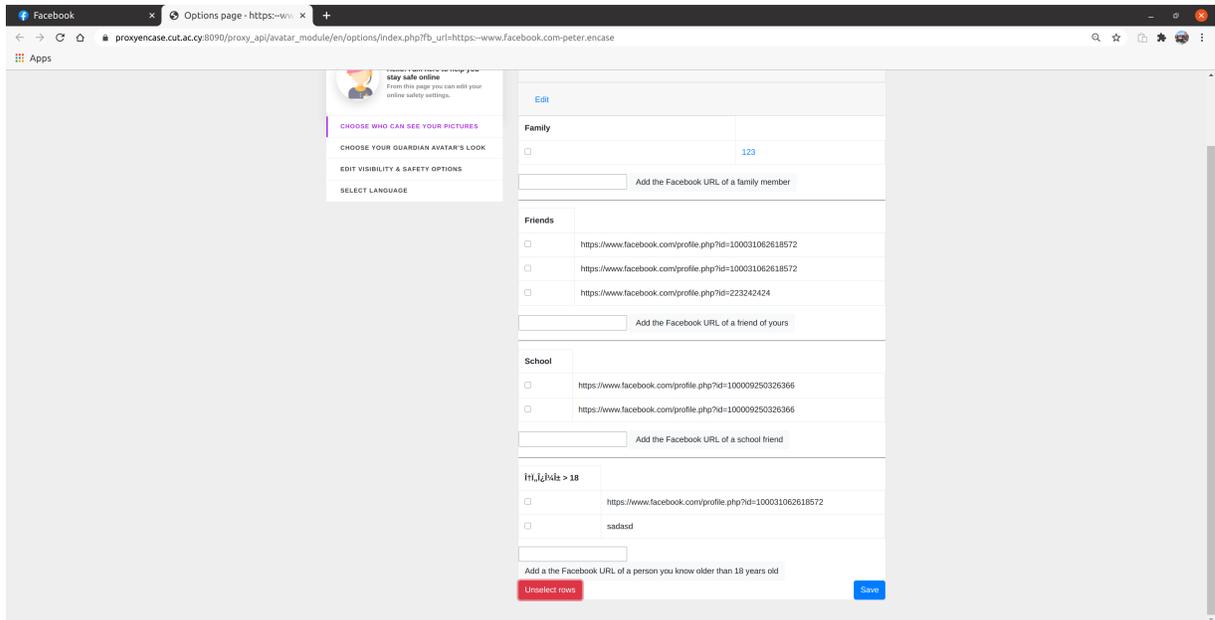


2.3.3.3.2 Remove an account from who can see your photos:

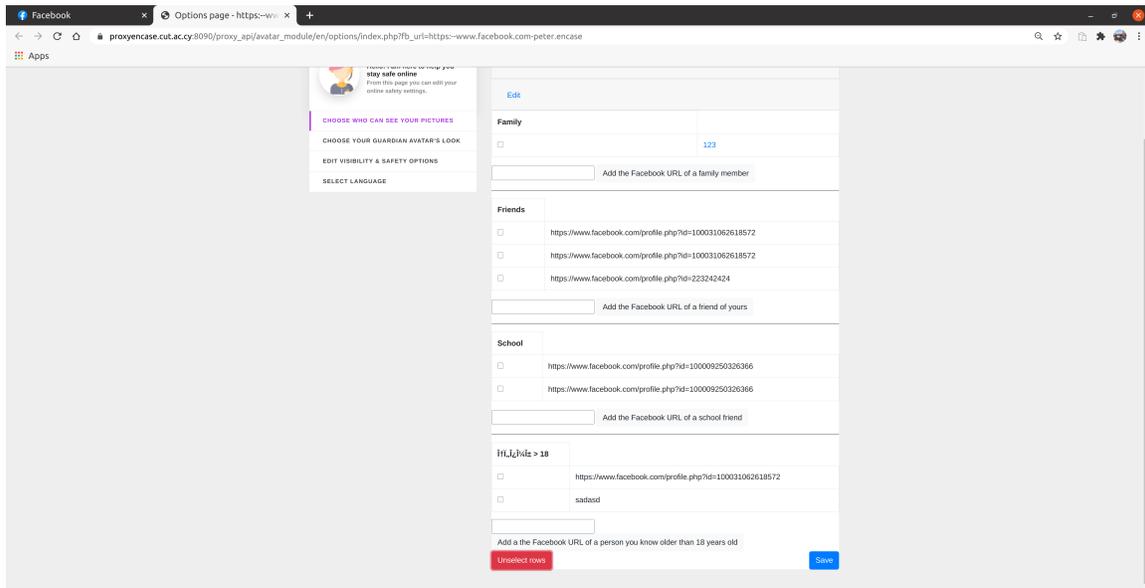
1. Choose the account you want to remove by checking the check box next to his/her account



2. Click on "Unselect row" button

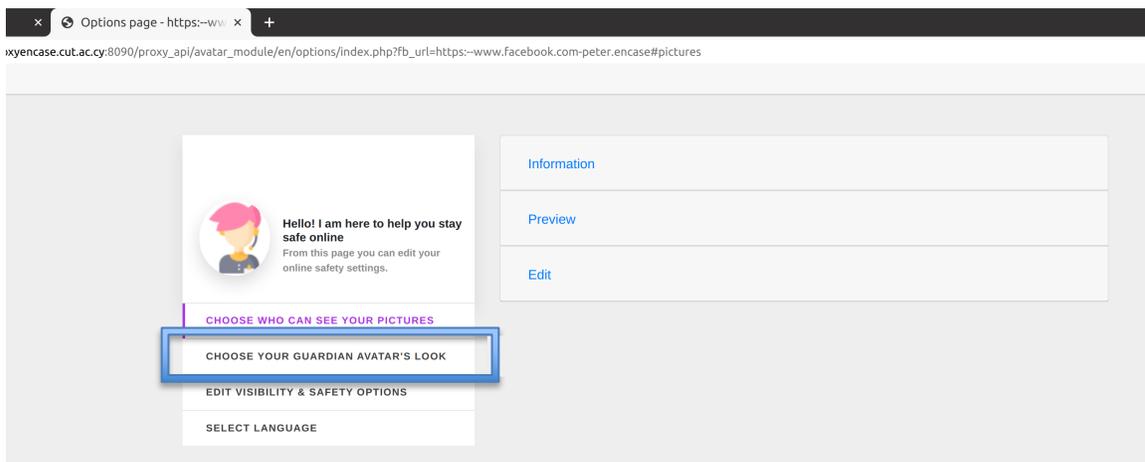


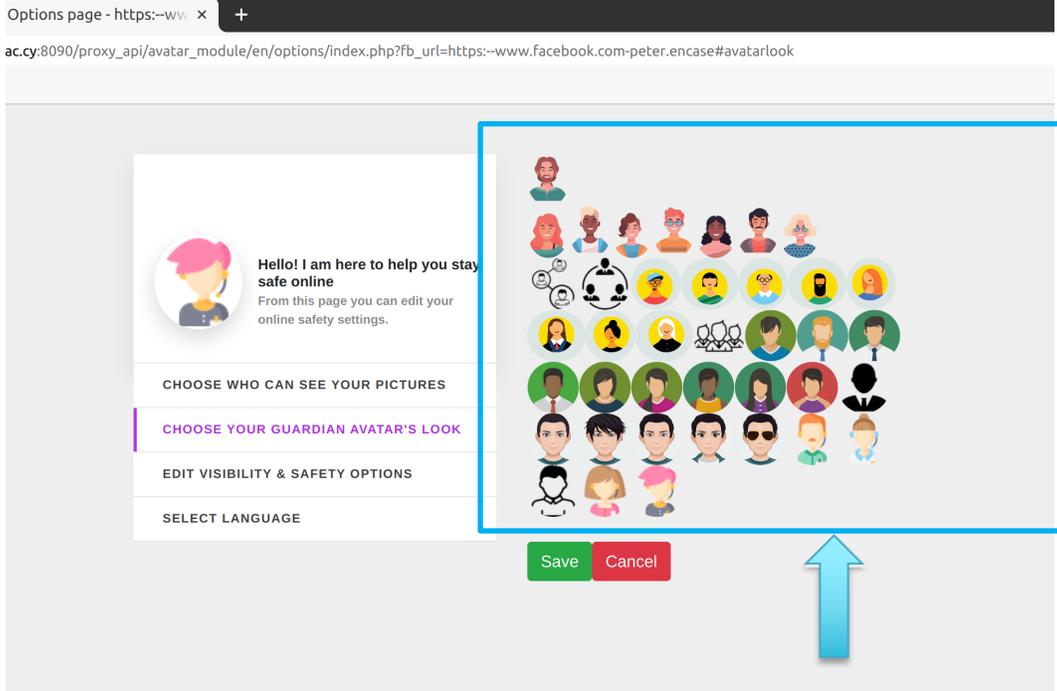
3. Click on “Save” to save the changes



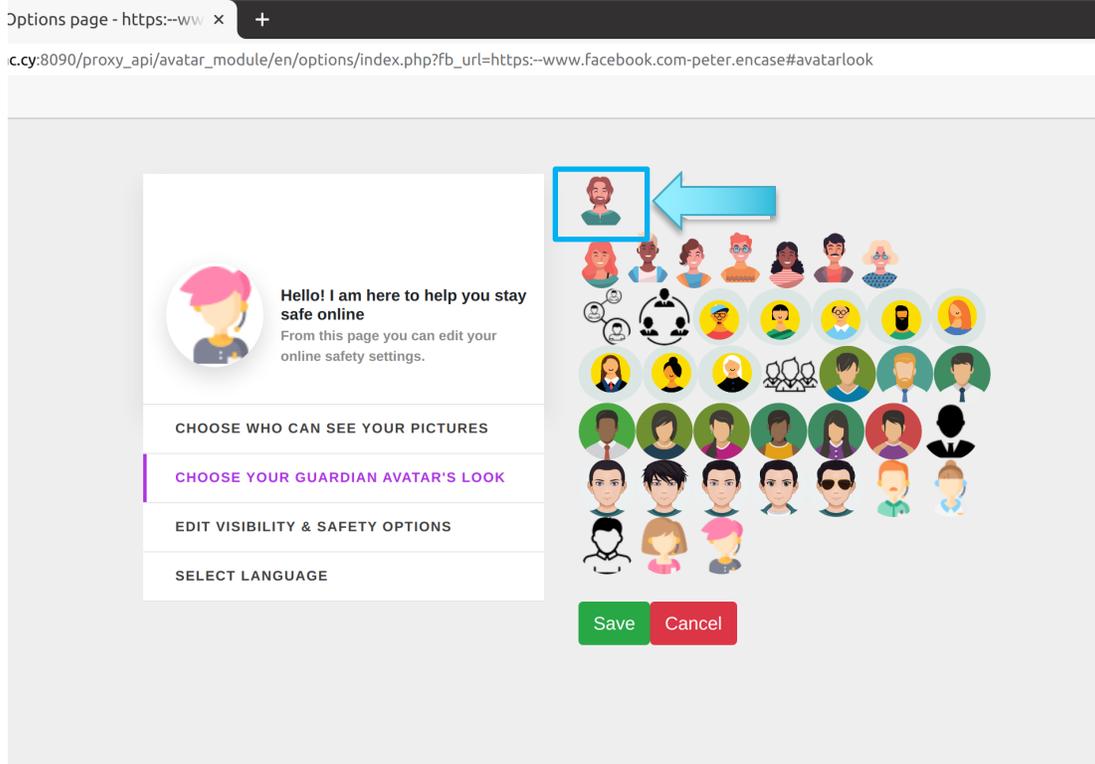
2.3.4 Settings: Change Guardians Avatar's look

1. Click on “Choose your Guardian Avatar's look

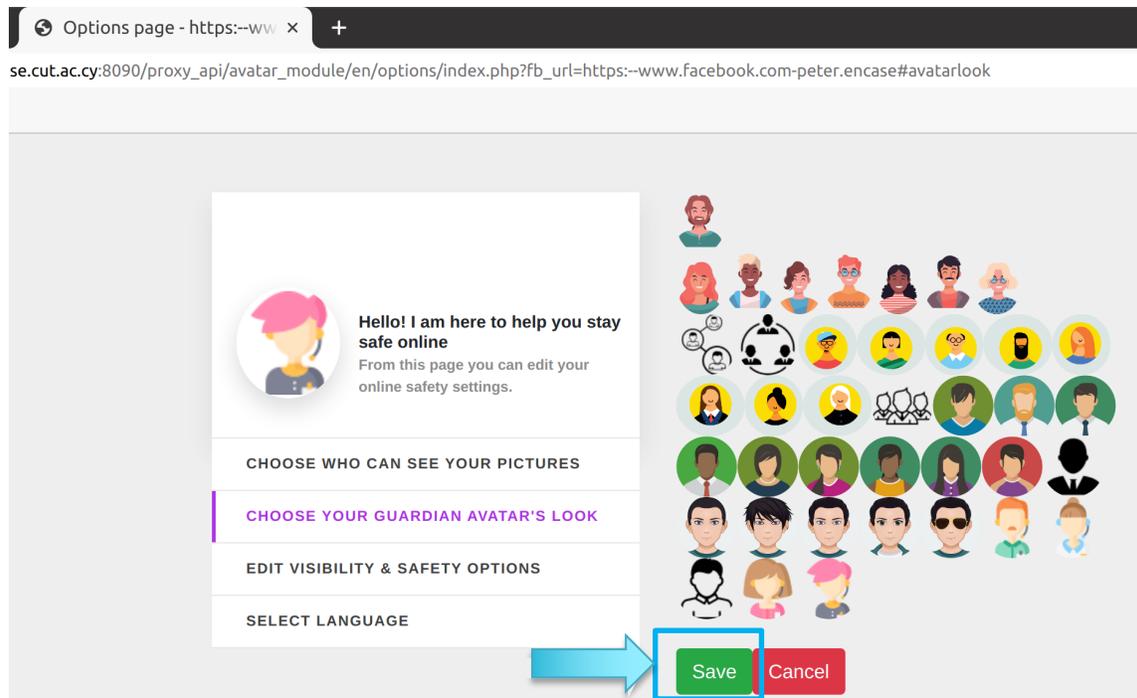




2. Choose the Guardian Avatar icon you want from the list



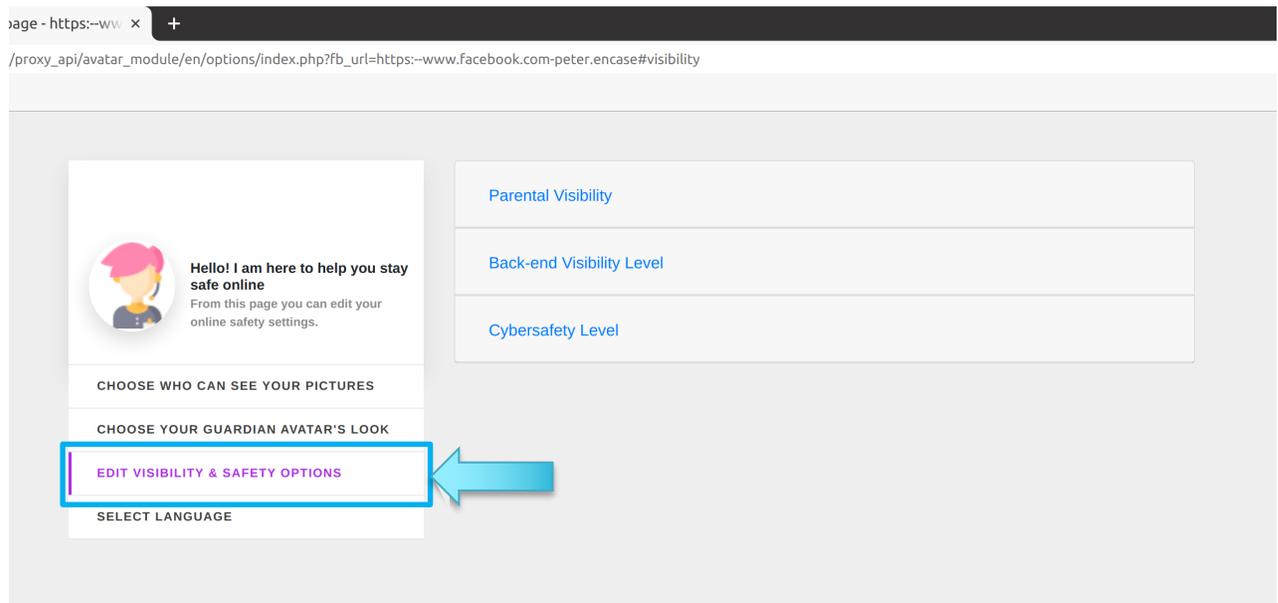
3. Click on "Save" to save your changes



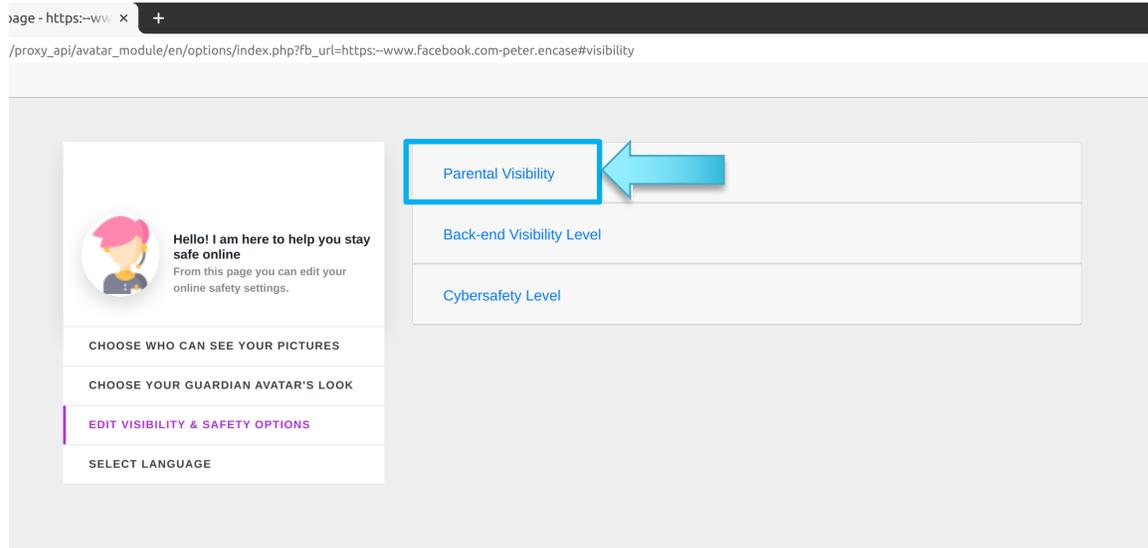
2.3.5 Settings: Parent's requests and visibility & safety options

2.3.5.1 Parental Visibility Options

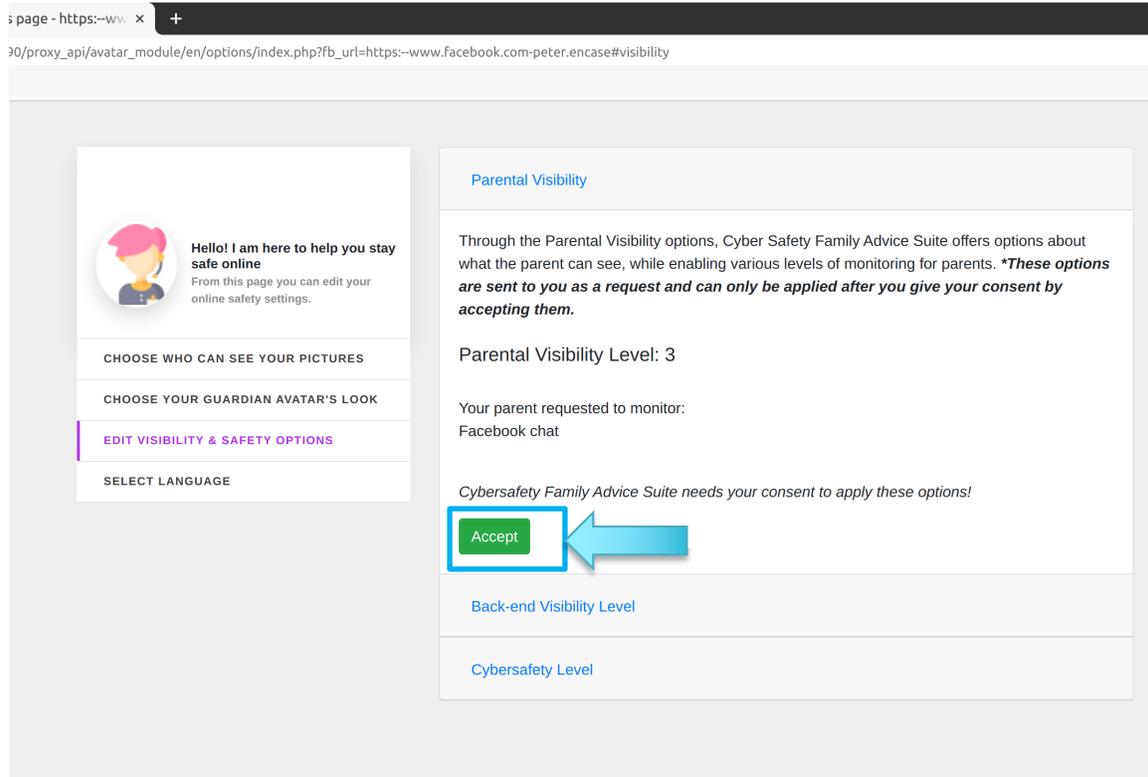
1. Click on "Edit visibility options"



2. See the options your parent has chosen for parental visibility by clicking on it



3. To accept the options, click on "Accept"



4. To erase the current options, click on “Erase options”

ns page - https://www.x +

090/proxy_api/avatar_module/en/options/index.php?fb_url=https://www.facebook.com-peter.encase#visibility

Hello! I am here to help you stay safe online
From this page you can edit your online safety settings.

- CHOOSE WHO CAN SEE YOUR PICTURES
- CHOOSE YOUR GUARDIAN AVATAR'S LOOK
- EDIT VISIBILITY & SAFETY OPTIONS**
- SELECT LANGUAGE

Parental Visibility

Through the Parental Visibility options, Cyber Safety Family Advice Suite offers options about what the parent can see, while enabling various levels of monitoring for parents. ***These options are sent to you as a request and can only be applied after you give your consent by accepting them.***

Parental Visibility Level: 3

Your parent can monitor|
Facebook chat

You have accepted these options!

Erase options

Back-end Visibility Level

Cybersafety Level

2.3.5.2 Backend Visibility Options

1. Click on “Backend Visibility Level”

page - https://www.x +

/proxy_api/avatar_module/en/options/index.php?fb_url=https://www.facebook.com-peter.encase#visibility

Hello! I am here to help you stay safe online
From this page you can edit your online safety settings.

- CHOOSE WHO CAN SEE YOUR PICTURES
- CHOOSE YOUR GUARDIAN AVATAR'S LOOK
- EDIT VISIBILITY & SAFETY OPTIONS**
- SELECT LANGUAGE

Parental Visibility

Back-end Visibility Level

Cybersafety Level

2. See the options your parent chose for the Backend Visibility

ge - https://www x +

roxy_api/avatar_module/en/options/index.php?fb_url=https://www.facebook.com-peter.encase#visibility

Hello! I am here to help you stay safe online
From this page you can edit your online safety settings.

CHOOSE WHO CAN SEE YOUR PICTURES

CHOOSE YOUR GUARDIAN AVATAR'S LOOK

EDIT VISIBILITY & SAFETY OPTIONS

SELECT LANGUAGE

Parental Visibility

Back-end Visibility Level

Through the Back-end Visibility options, Cyber Safety Family Advice Suite offers options about what data the Back-End can receive from your online social network account. The received data will be used to improve the accuracy of the Suite and help to enhance your online protection. ***These options are sent to you as a request and can only be applied after you give your consent by accepting them.**

Backend Visibility Level: 2

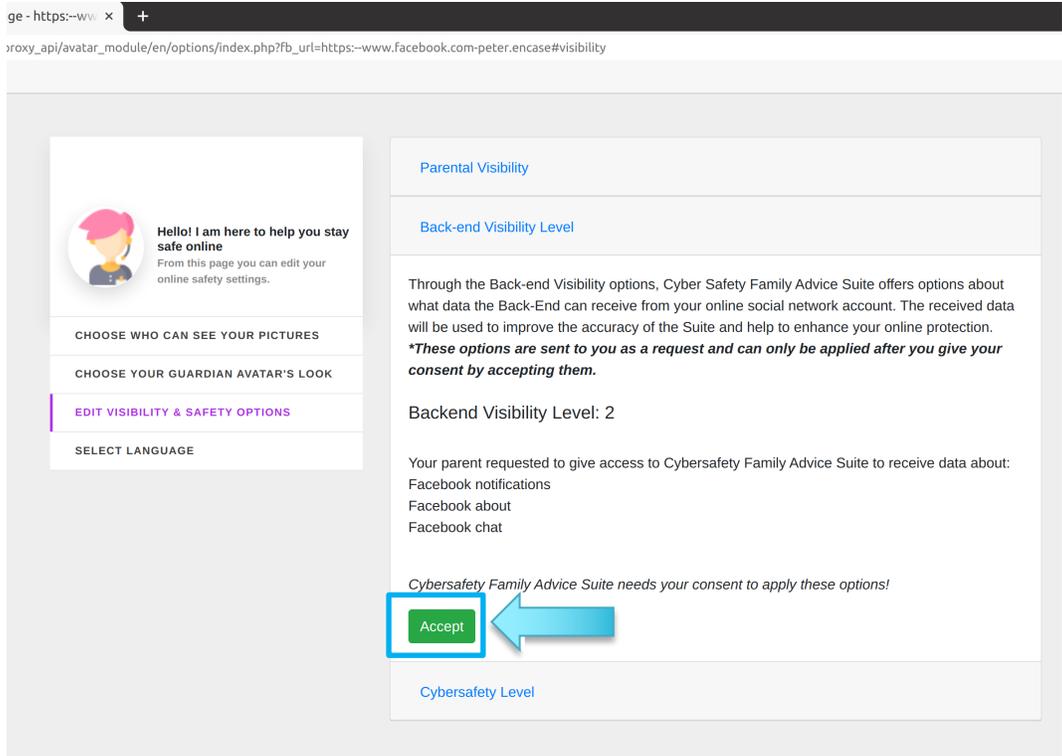
Your parent requested to give access to Cybersafety Family Advice Suite to receive data about:
Facebook notifications
Facebook about
Facebook chat

Cybersafety Family Advice Suite needs your consent to apply these options!

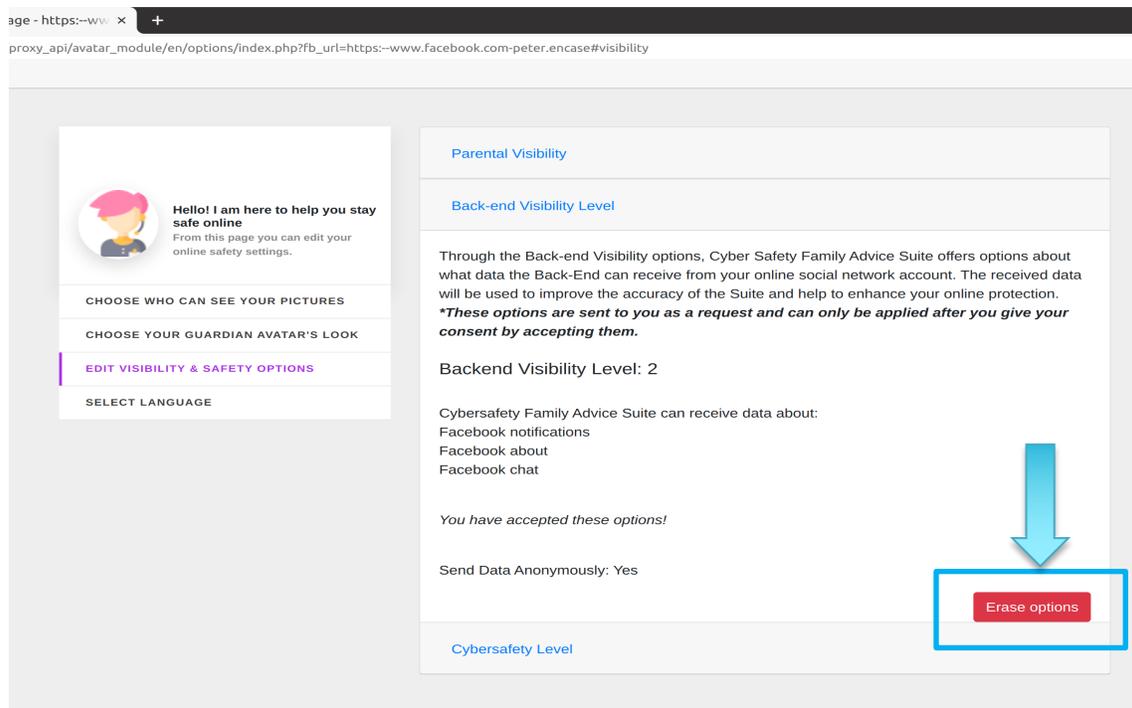
Accept

Cybersafety Level

3. To accept the options, click on “Accept”

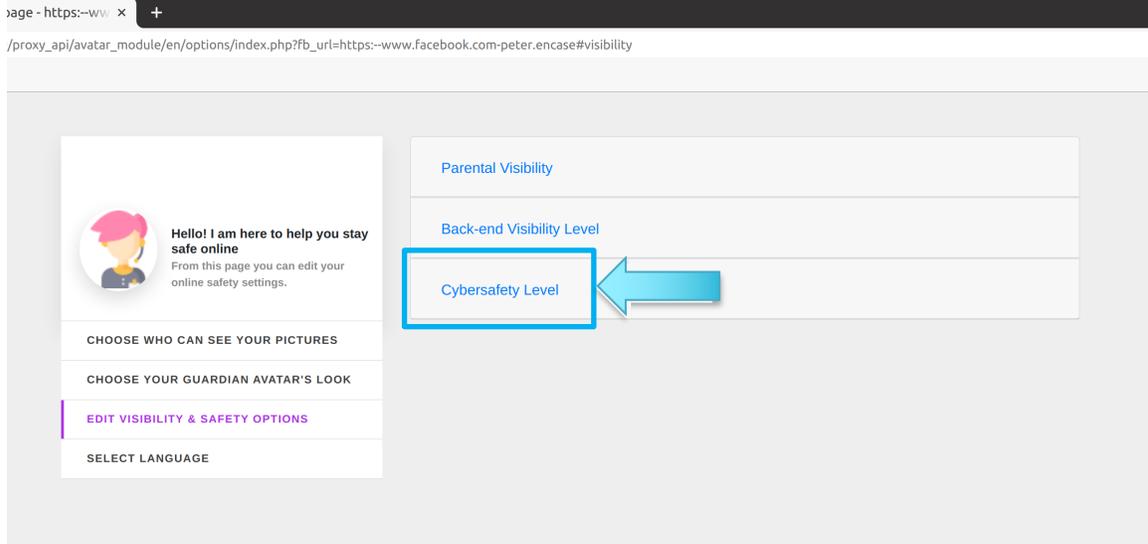


4. To erase the options, click on “Erase Options”

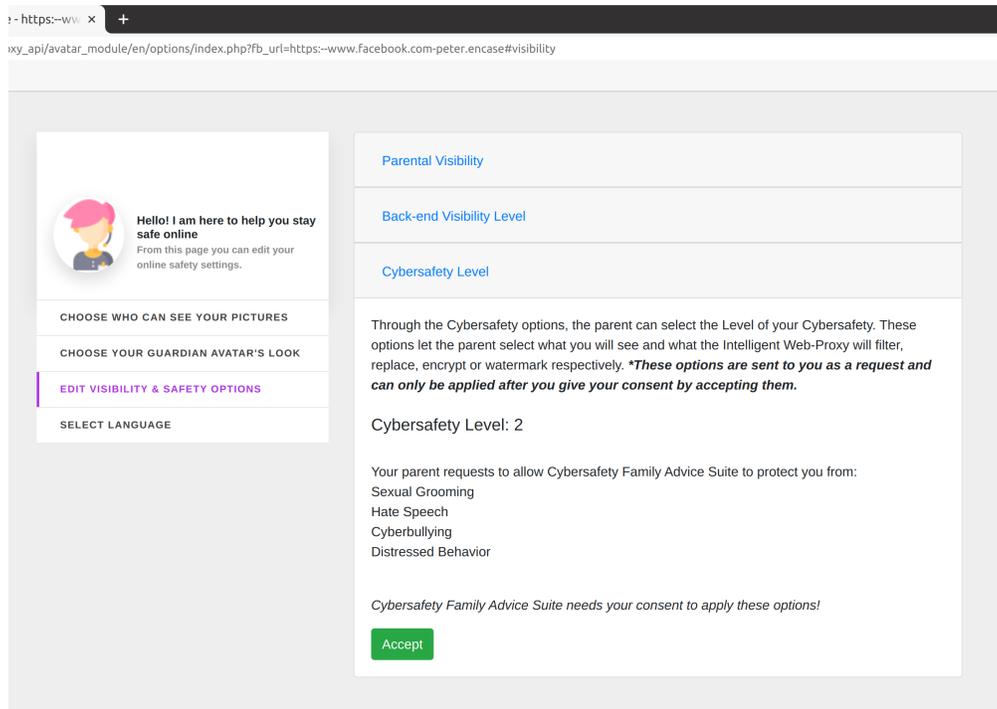


2.3.5.3 Cybersafety Options

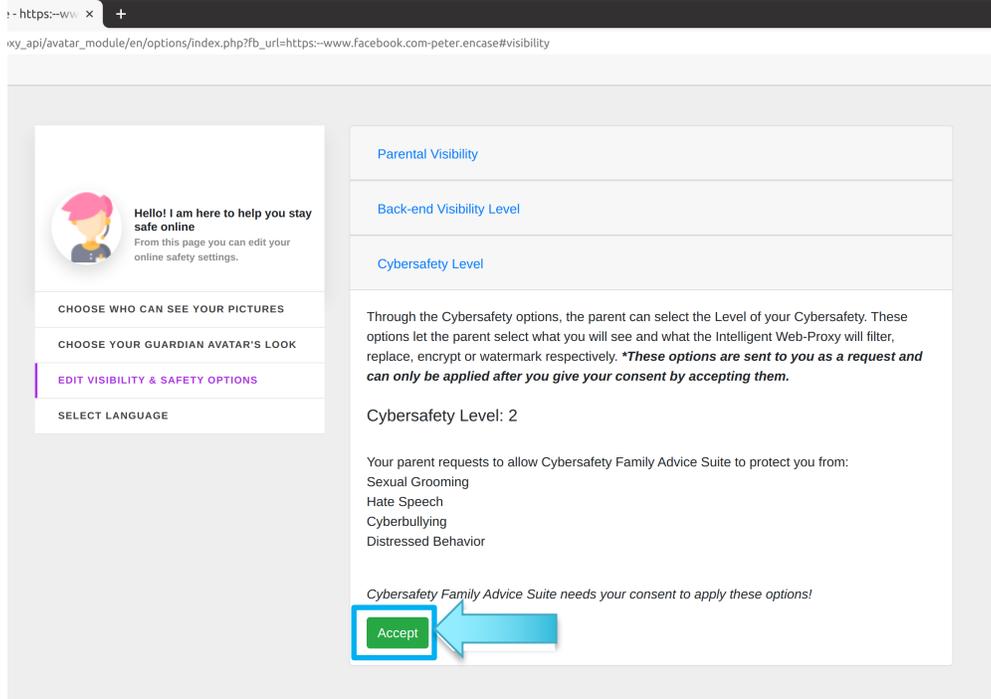
1. Click on Cybersafety Level



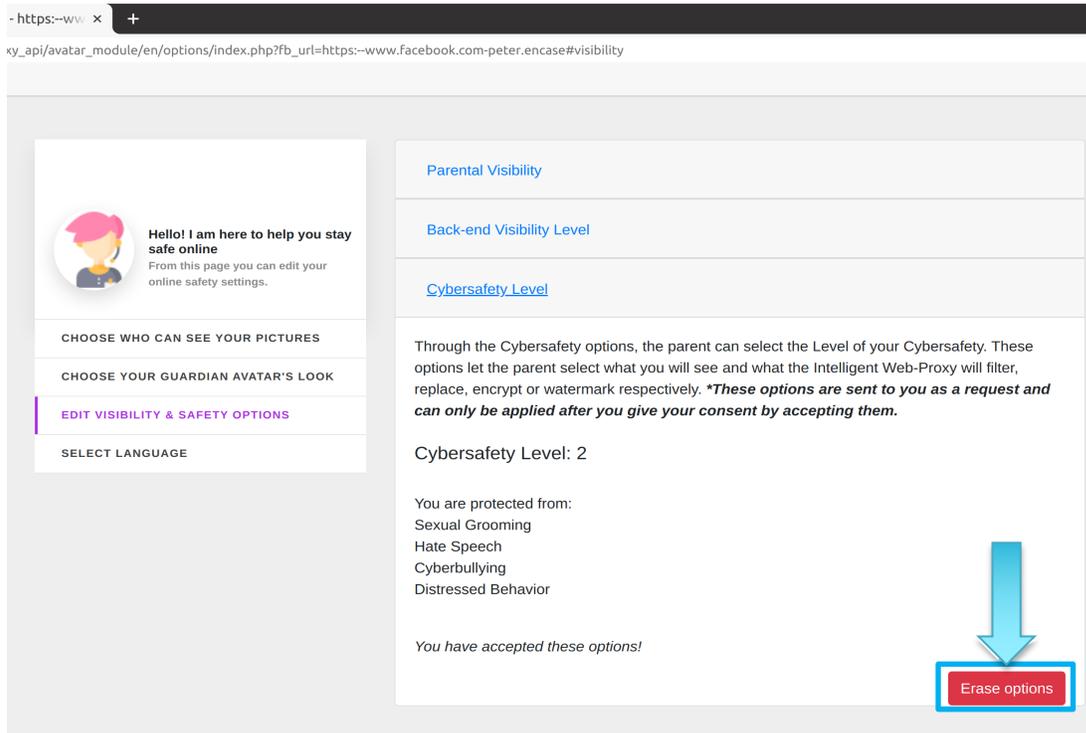
2. See the options the parent has chosen



3. To accept the options, click on “Accept”

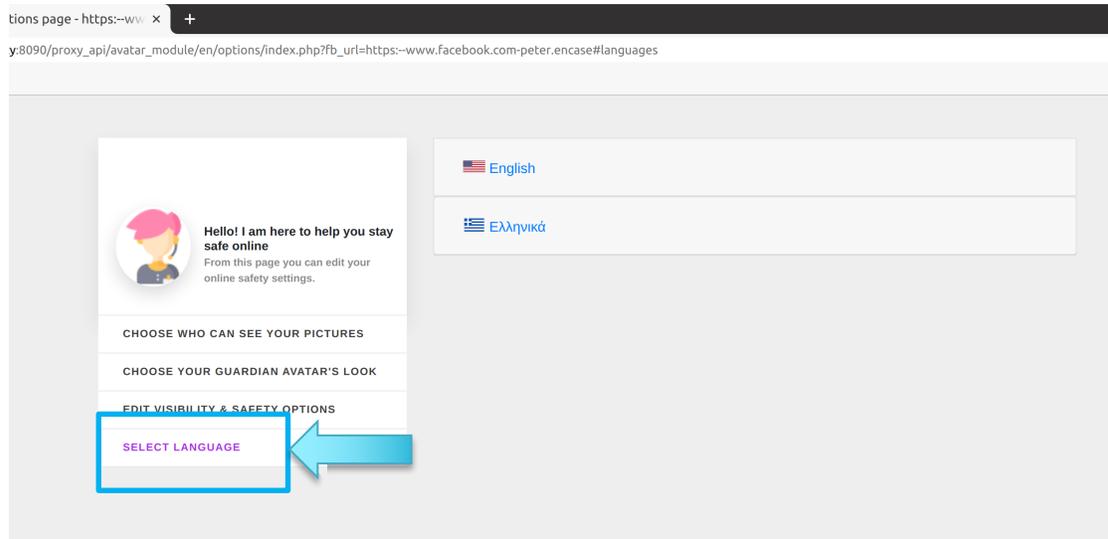


4. To erase the options, click on “Erase Options”



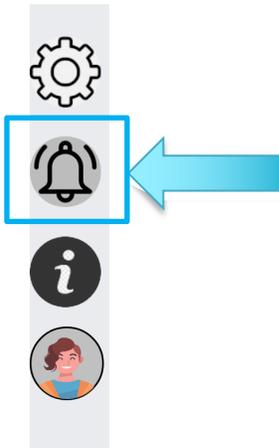
2.3.6 Settings: Select language

To choose another language click on “Select language” and then choose the language of your preference by clicking on it



2.3.7 See your CFAS notifications

1. Click on notification icon



2. See your notifications

For Facebook's CFAS notifications:

ons x +
/proxy_api/avatar_module/en/notifications/index.php?fb_url=https://www.facebook.com-peter.encase



Hello! From this page you can see all the Cybersafety Family Advice Suite's notifications!
From the menu below, you can choose for which online social network (Facebook or Twitter), you want to see the notifications!

Facebook

Twitter

Facebook Notifications

Show older notifications

Warning: Sexual Grooming is detected!
Cybersafety Family Advice Suite has analysed your chat with **Antonis** at Facebook and detected sexual grooming text with the percentage of: **87%**. Be careful!

Warning: Sexual Grooming is detected!
Cybersafety Family Advice Suite has analysed your chat with **test** at Facebook and detected sexual grooming text with the percentage of: **50%**. Be careful!

Warning: Sexual Grooming is detected!
Cybersafety Family Advice Suite has analysed your chat with **Antonis Papasavva** at Facebook and detected sexual grooming text with the percentage of: **89%**. Be careful!

Show older Information/Hide older information:

ons x +
/proxy_api/avatar_module/en/notifications/index.php?fb_url=https://www.facebook.com-peter.encase



Hello! From this page you can see all the Cybersafety Family Advice Suite's notifications!
From the menu below, you can choose for which online social network (Facebook or Twitter), you want to see the notifications!

Facebook

Twitter

Facebook Notifications

Show older notifications

Warning: Sexual Grooming is detected!
Cybersafety Family Advice Suite has analysed your chat with **Antonis** at Facebook and detected sexual grooming text with the percentage of: **87%**. Be careful!

Warning: Sexual Grooming is detected!
Cybersafety Family Advice Suite has analysed your chat with **test** at Facebook and detected sexual grooming text with the percentage of: **50%**. Be careful!

Warning: Sexual Grooming is detected!
Cybersafety Family Advice Suite has analysed your chat with **Antonis Papasavva** at Facebook and detected sexual grooming text with the percentage of: **89%**. Be careful!



Hello! From this page you can see all the Cybersafety Family Advice Suite's notifications!
From the menu below, you can choose for which online social network (Facebook or Twitter), you want to see the notifications!

Facebook

Twitter

Facebook Notifications

Warning: Sexual Grooming is detected!
Cybersafety Family Advice Suite has analysed your chat with **Antonis** at Facebook and detected sexual grooming text with the percentage of: **87%**. Be careful!

Warning: Sexual Grooming is detected!
Cybersafety Family Advice Suite has analysed your chat with **test** at Facebook and detected sexual grooming text with the percentage of: **50%**. Be careful!

Warning: Sexual Grooming is detected!
Cybersafety Family Advice Suite has analysed your chat with **Antonis Papasavva** at Facebook and detected sexual grooming text with the percentage of: **89%**. Be careful!

Warning: Sexual Grooming is detected!
Cybersafety Family Advice Suite has analysed your chat with **Eve Eve** at Facebook and detected sexual grooming text with the percentage of: **99%**. Be careful!

Warning: Sexual Grooming is detected!
Cybersafety Family Advice Suite has analysed your chat with **Eve Eve** at Facebook and detected sexual grooming text with the percentage of: **99%**. Be careful!

Warning: Sexual Grooming is detected!
Cybersafety Family Advice Suite has analysed your chat with **Somebaduser Smith** at

For Twitter's CFAS notifications:



Hello! From this page you can see all the Cybersafety Family Advice Suite's notifications!
From the menu below, you can choose for which online social network (Facebook or Twitter), you want to see the notifications!

Facebook

Twitter

Twitter Notifications

Warning: Bot account is detected!
Cybersafety Family Advice Suite describes the account **AthenaDimiDimi** as a bot account. Be careful!

Warning: Spam account is detected!
Cybersafety Family Advice Suite describes the account **AthenaDimiDimi** as a spam

Warning: Bot account is detected!
Cybersafety Family Advice Suite describes the account **AthenaDimiDimi** as a bot account. Be careful!

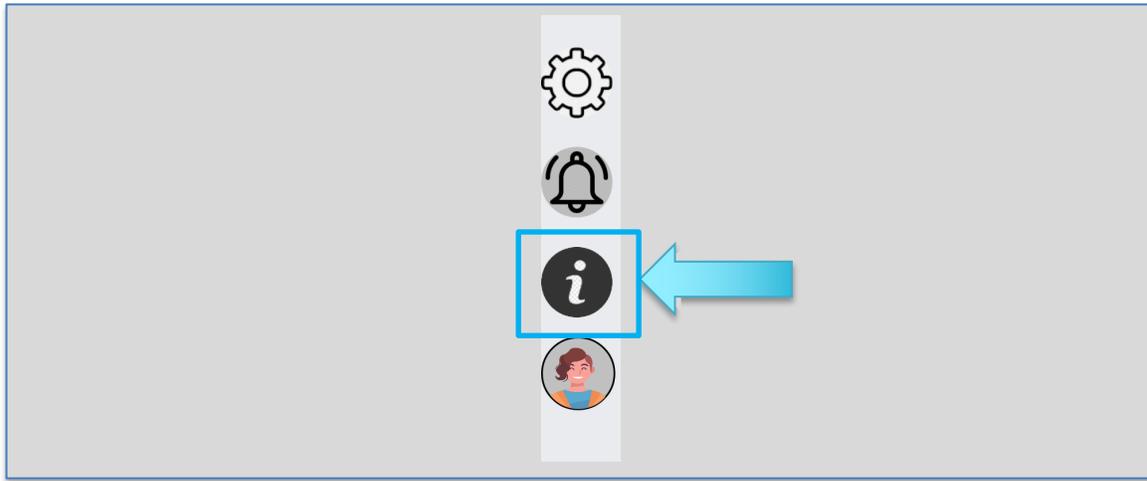
Show older Information/Hide older information:

This screenshot shows the 'Show older notifications' interface. On the left, there is a sidebar with a user profile icon and a message: 'Hello! From this page you can see all the Cybersafety Family Advice Suite's notifications! From the menu below, you can choose for which online social network (Facebook or Twitter), you want to see the notifications!'. Below this, there are two menu items: 'Facebook' and 'Twitter', with 'Twitter' selected. The main content area is titled 'Twitter Notifications' and contains three notification entries. Each entry starts with a warning: 'Warning: Bot account is detected!' or 'Warning: Spam account is detected!', followed by a message from 'Cybersafety Family Advice Suite' describing the account as a bot or spam. A blue box highlights the 'Show older notifications' button, and a blue arrow points to it from the right.

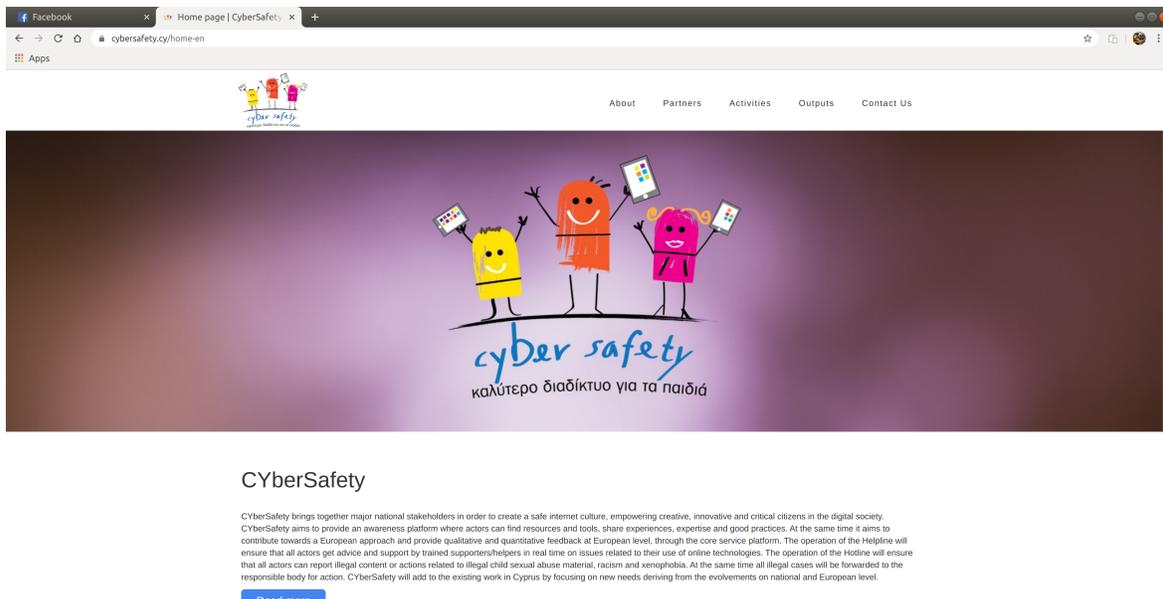
This screenshot shows the 'Hide older notifications' interface. The layout is identical to the first screenshot, but the button is labeled 'Hide older notifications'. The main content area contains six notification entries, each with a warning and a message from 'Cybersafety Family Advice Suite' describing the account as a bot, spam, or cyberbully. A blue box highlights the 'Hide older notifications' button, and a blue arrow points to it from the right.

2.3.8 Go to Cybersafety website

1. Click the information icon



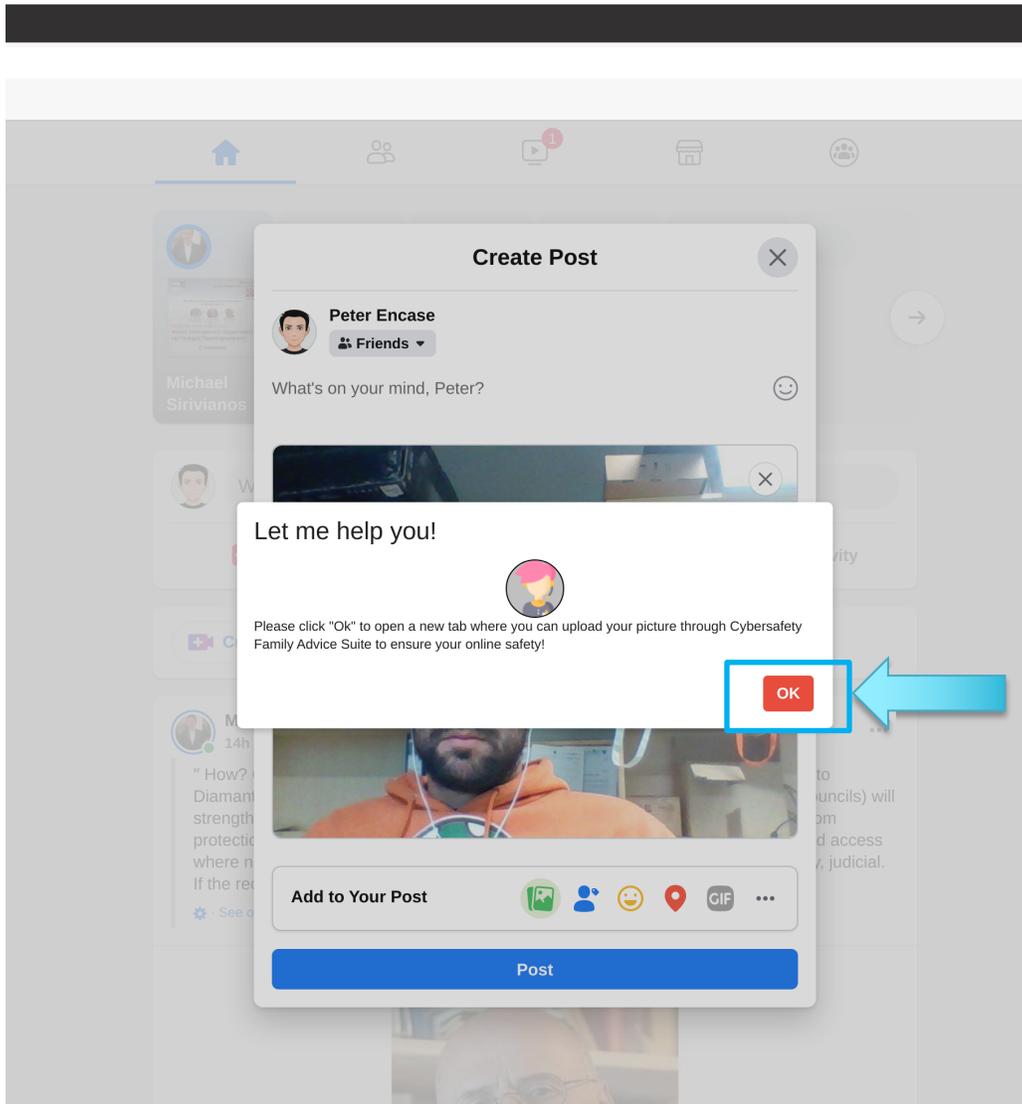
2. See the project website “CyberSafety” for more information



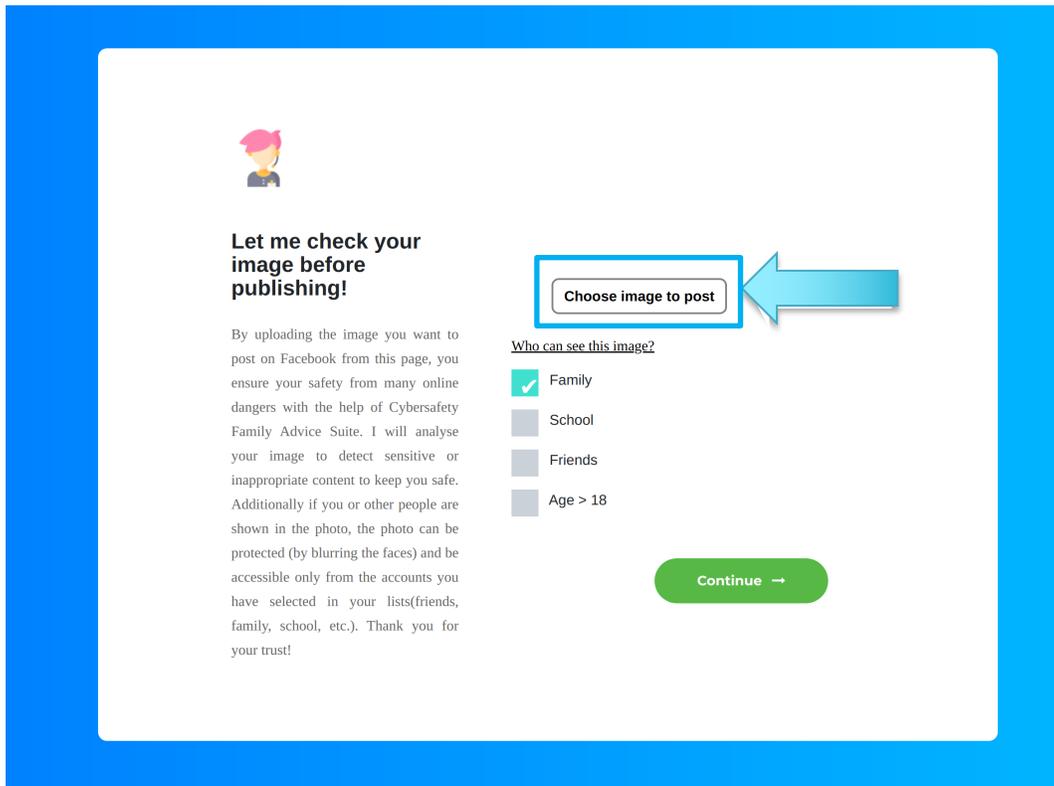
2.3.9 Upload a photo through CFAS

When using CFAS, you can post your photo encrypted. You can choose who will see the photo, everyone who is not in the list of accounts you chose will see a custom CFAS picture which inform them that the photo is protected by CFAS.

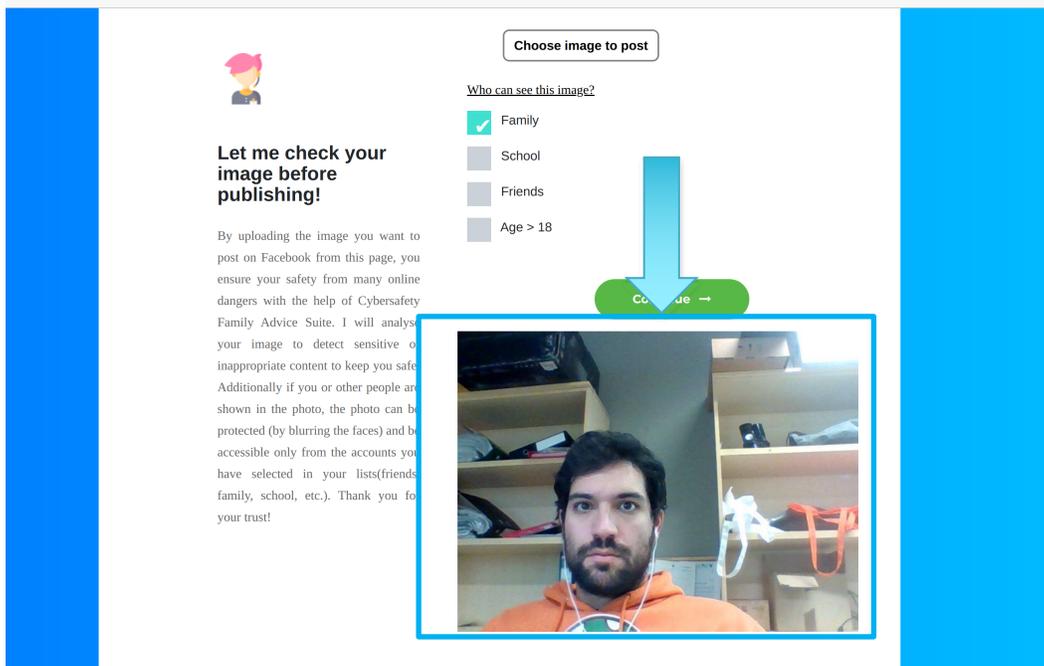
1. When you select a photo for posting on Facebook, the following message will appear. Click on "OK!" to upload photo through CFAS.



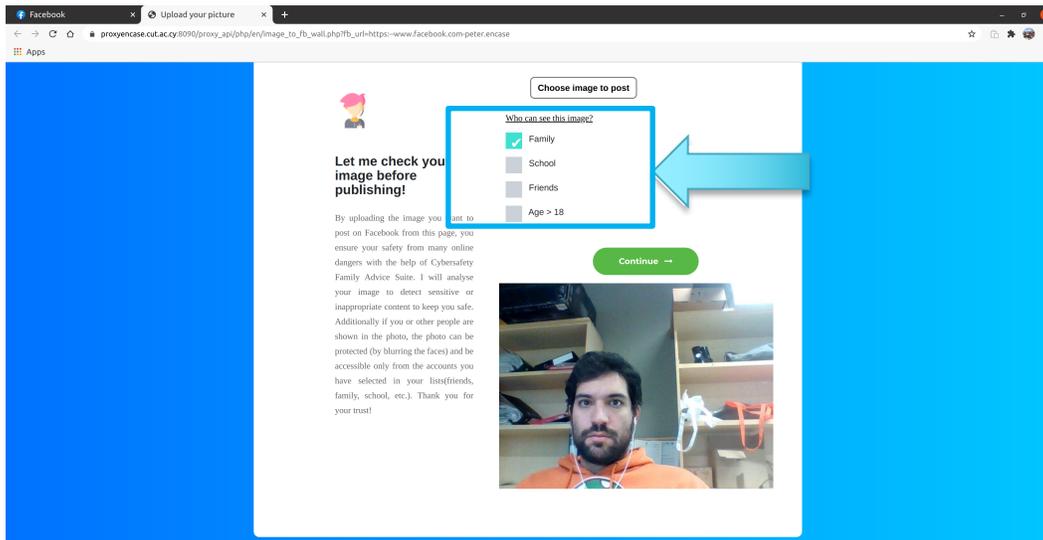
2. Click on “Choose image to post”



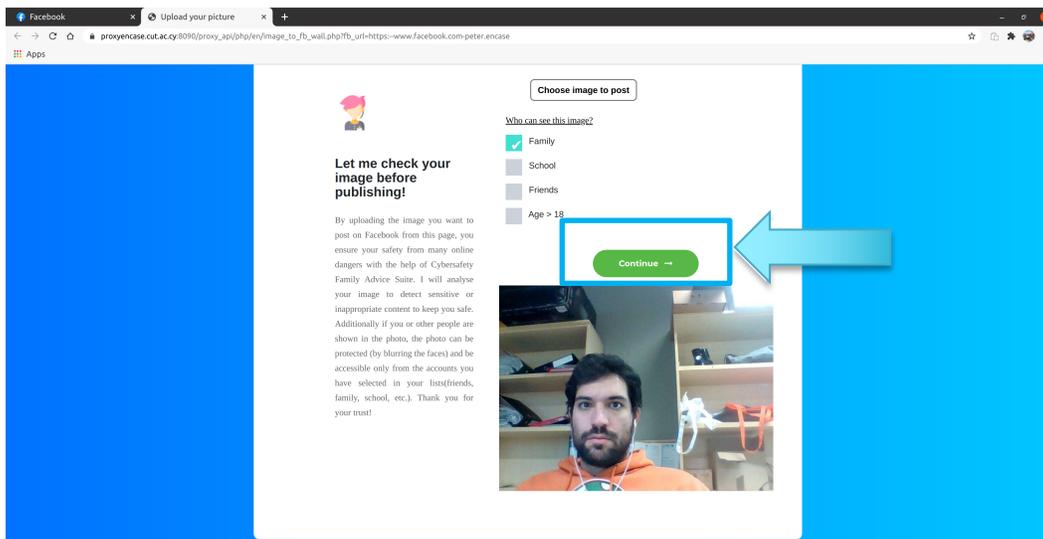
3. See the photo you chose below the button “Continue”



4. Select who can see the photo

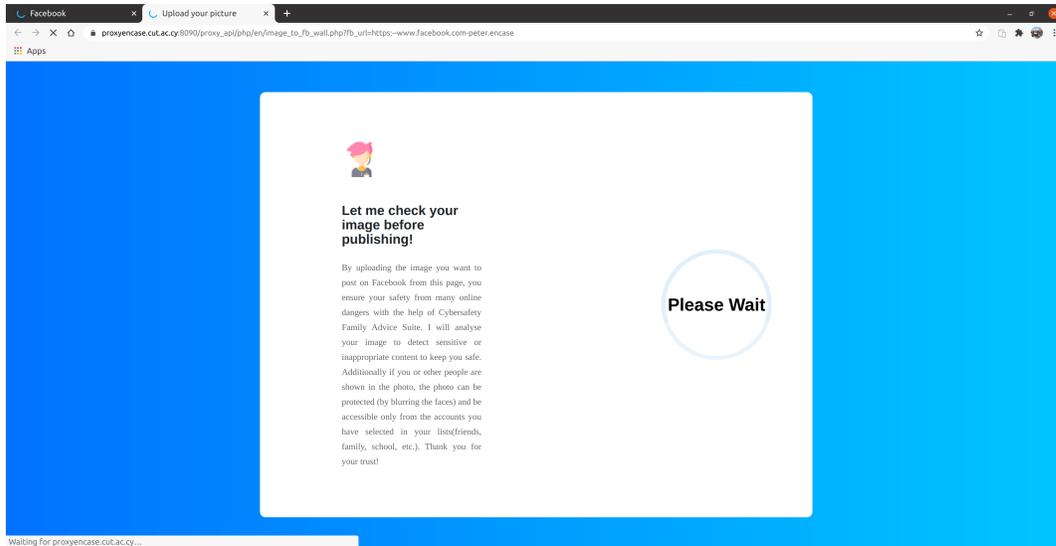


5. Click on "Continue"

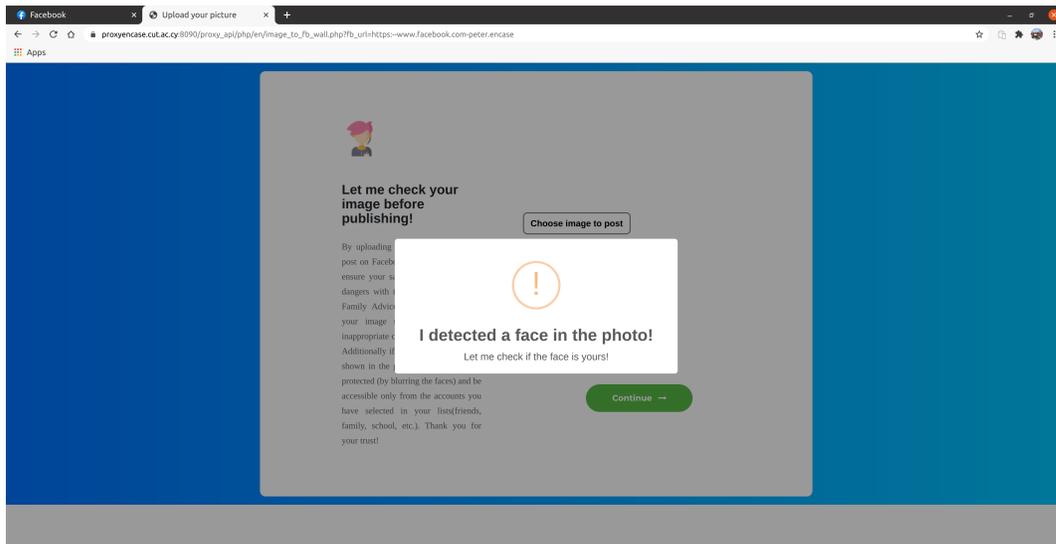


6. Wait for CFAS to analyze the image you want to post

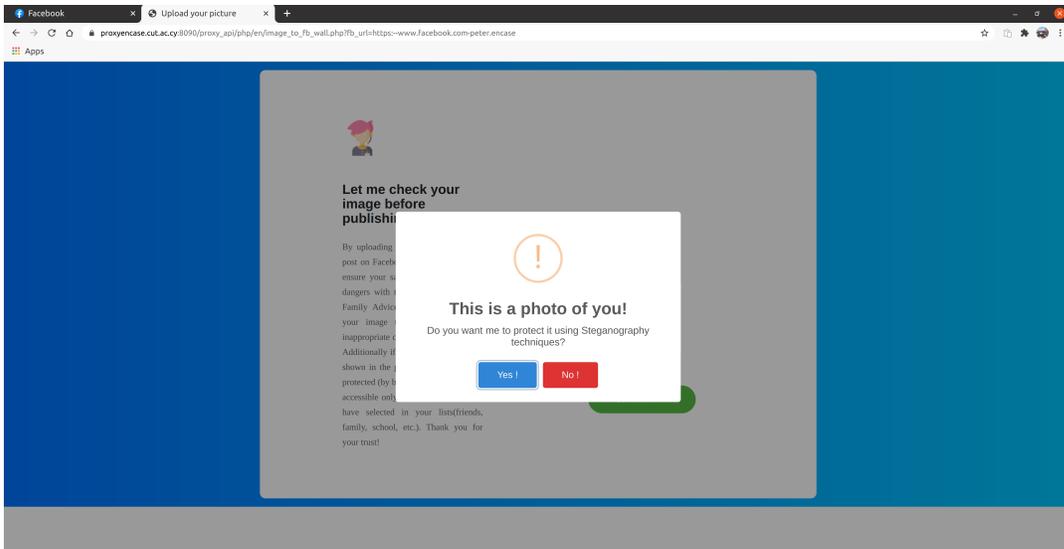
At this point, CFAS may detect sensitive, inappropriate or racist content and notify you.



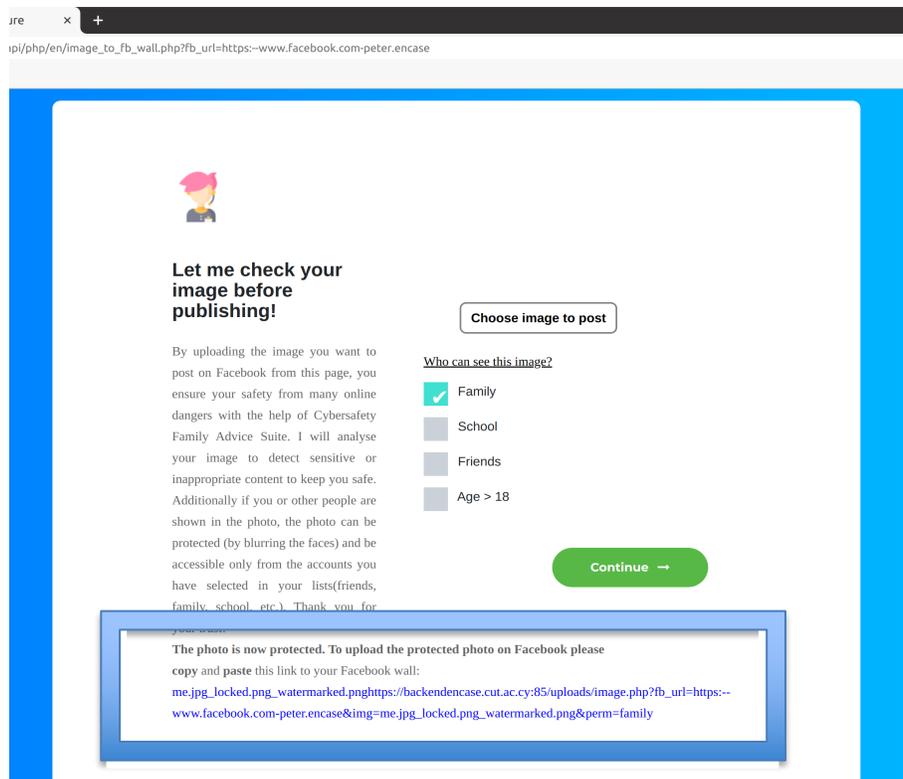
If any face is detected in the photo the following message appears



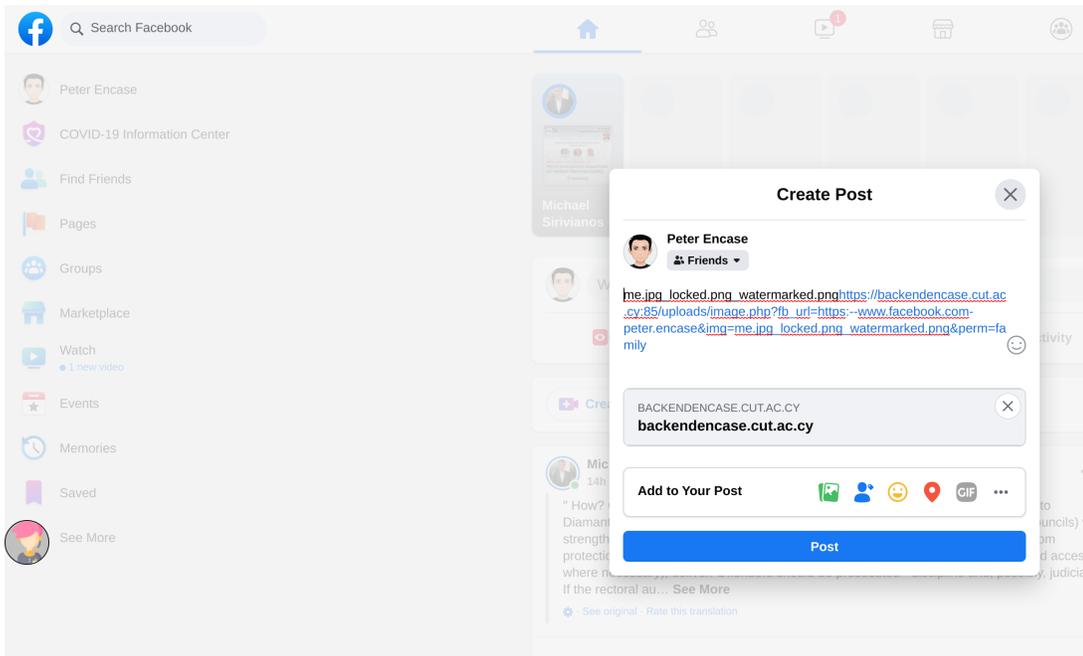
If the face is yours, CFAS asks you if you want to protect the photo.



If you select “Yes”, then the photo is protected and the following link will appear on the bottom of the site.

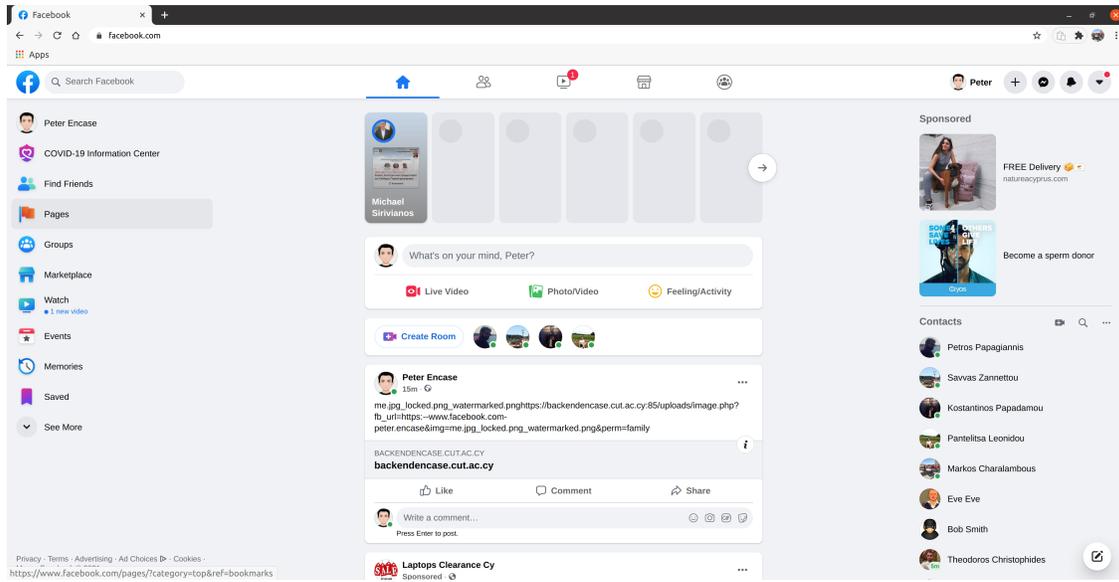


7. Copy the link

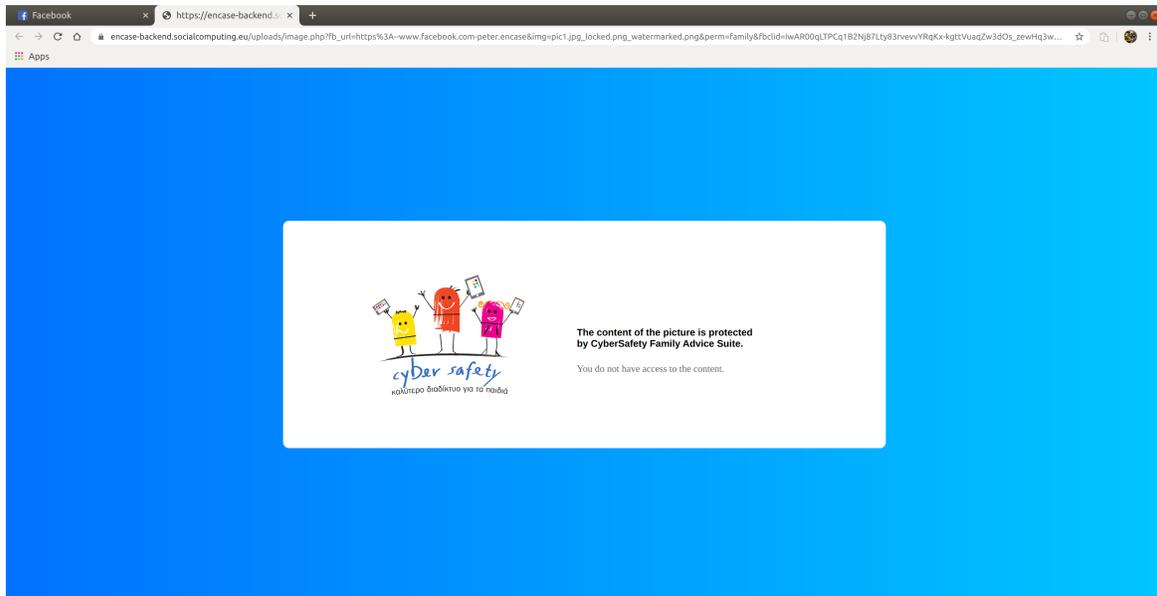


8. Create a new post on Facebook and paste the link in the post's text area and click on "Post"

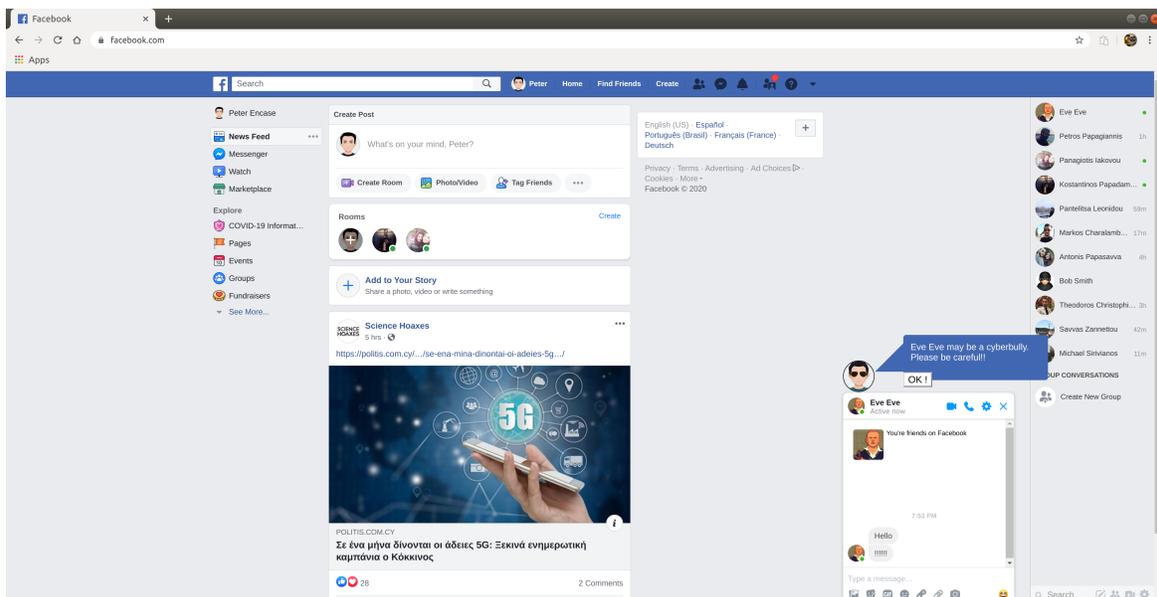
*Accounts who are not selected to see your picture will see the following link instead of your image.



By clicking the link, it will lead them to the following site, where it is explained that the image is protected by CFAS.

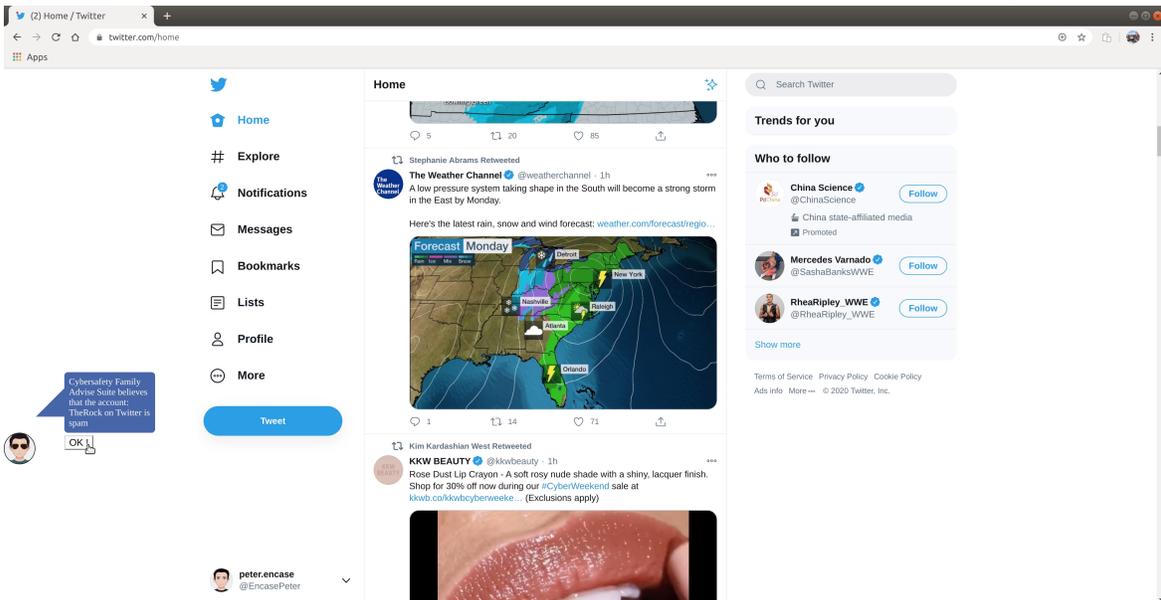


2.3.10 Example of Guardian Avatar notification to the child

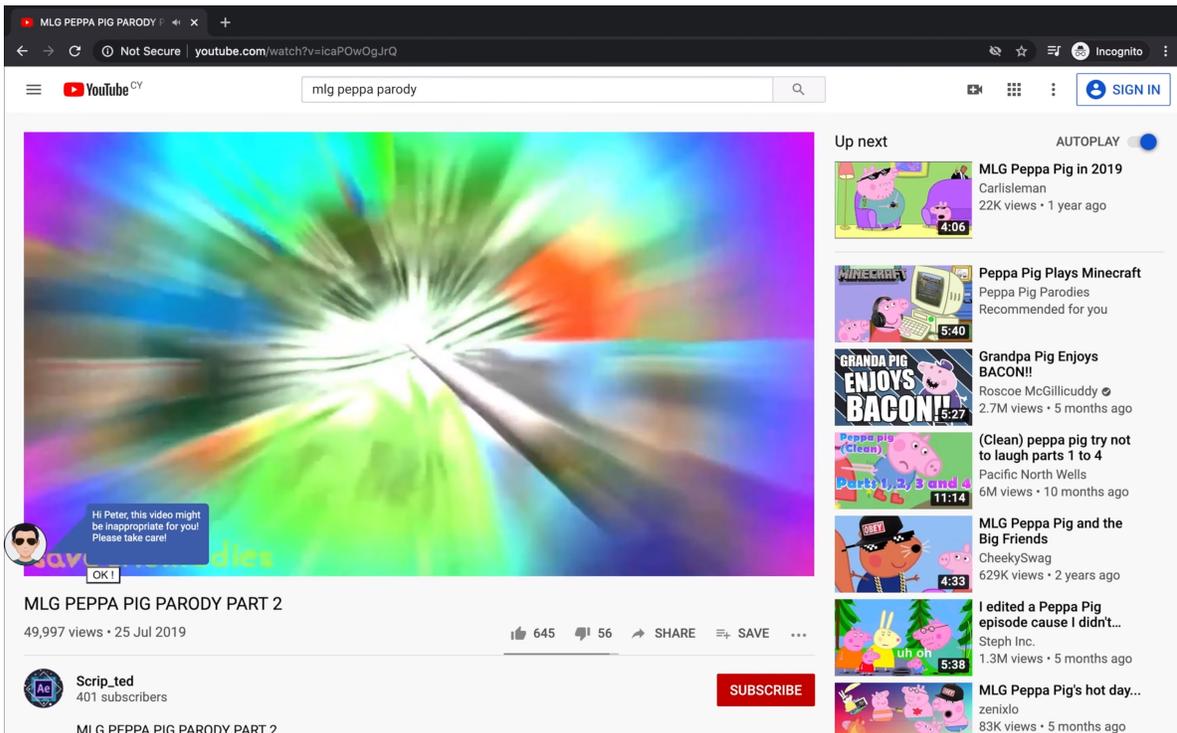


The picture above shows an example of the notifications that the Guardian Avatar can give to the child while chatting with a Facebook user.

**In order not to expose the readers of this manual to inappropriate content, the text of this chat that expresses cyberbullying is replaced with the text "!!!!!!".*



The picture above shows an example of the notifications that the Guardian Avatar can give to the child while scrolling on twitter.



The picture above shows an example of the notifications that the Guardian Avatar can give to the child while watching a disturbed video on YouTube.