

Water Accounting +

Introduction to the WAPORWA Framework

October 27, 2022 – Session IV

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Install WAPORWA

Step 1: Install Anaconda and Inkscape

Step 2: Download WAPORWA

Step 3: Create python environment for WAPORWA

Step 4: Test installation

Step 5: Environmental Variable Setup

Step 1: Install Anaconda

Download the WAPORWA from here:

https://repo.anaconda.com/archive/Anaconda3-2022.10-Windows-x86_64.exe



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Anaconda Individual Edition

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For Windows

Python 3.8 • 64-Bit Graphical Installer • 477 MB

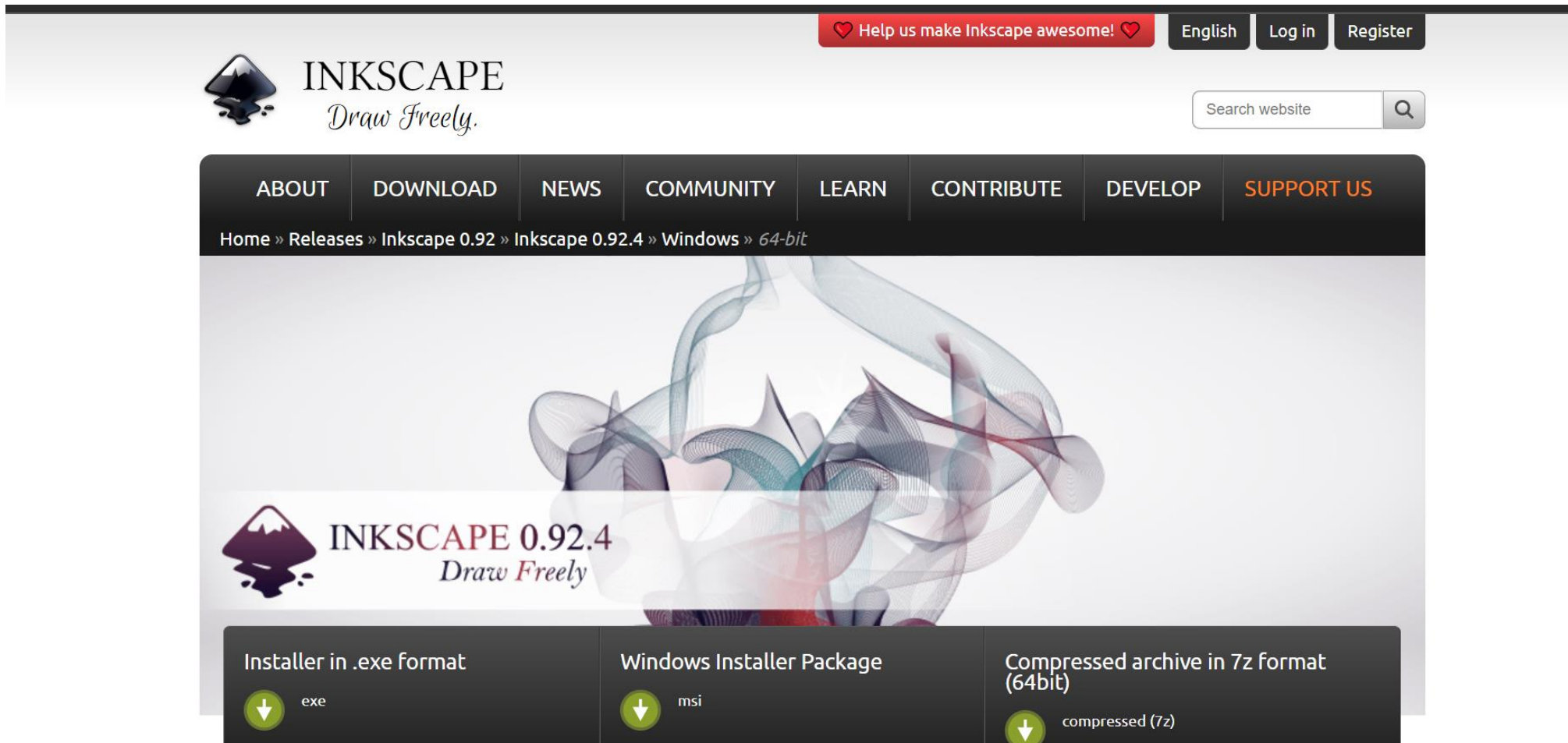
Get Additional Installers



Step 1: Install Inkscape

Download the Inkscape from here:

<https://media.inkscape.org/dl/resources/file/inkscape-0.92.4-x64.exe>



The screenshot shows the Inkscape website's download page for version 0.92.4 on Windows 64-bit. The page features the Inkscape logo and tagline "Draw Freely." at the top left. A navigation bar includes links for ABOUT, DOWNLOAD, NEWS, COMMUNITY, LEARN, CONTRIBUTE, DEVELOP, and SUPPORT US. A search bar is located on the right. A red banner at the top right encourages users to help make Inkscape awesome. The main content area displays the Inkscape 0.92.4 logo and tagline, along with a large, colorful, abstract drawing. Below this, three download options are presented: "Installer in .exe format" (exe), "Windows Installer Package" (msi), and "Compressed archive in 7z format (64bit)" (compressed (7z)). Each option is accompanied by a green download icon.

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INKSCAPE 0.92.4
Draw Freely

Installer in .exe format
↓ exe

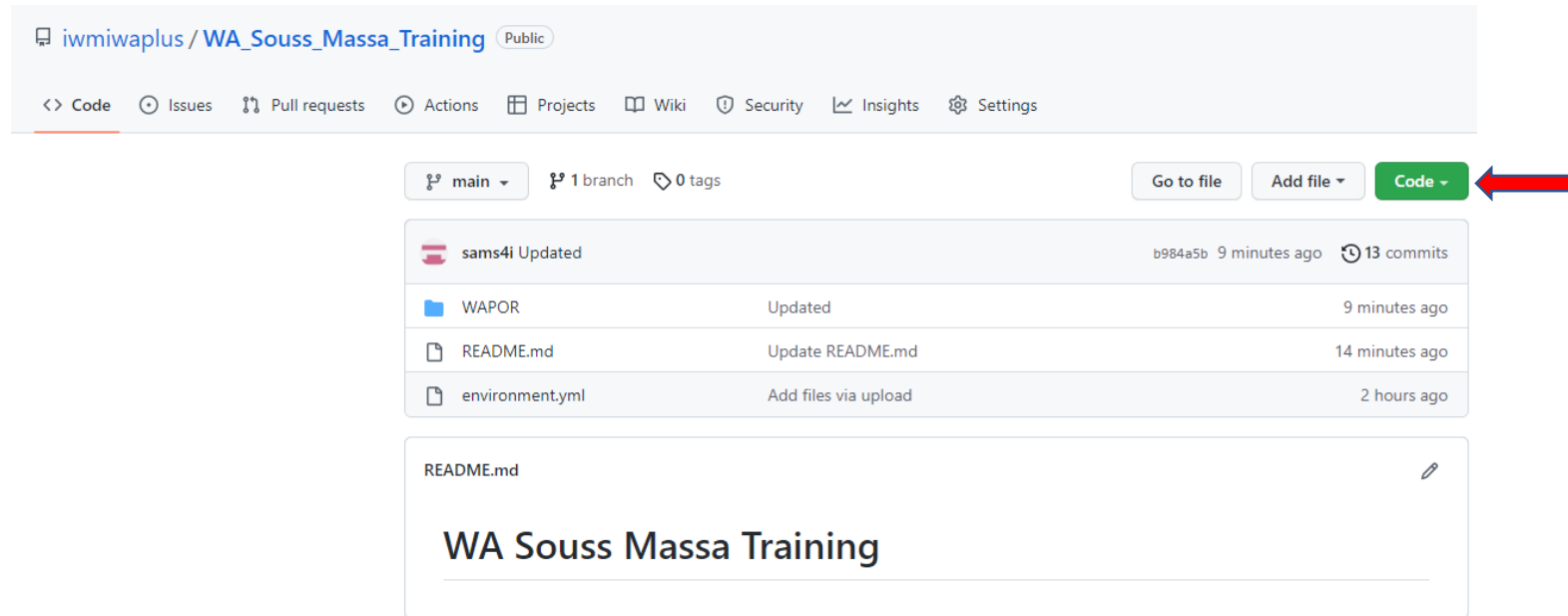
Windows Installer Package
↓ msi

Compressed archive in 7z format (64bit)
↓ compressed (7z)

Step 2: Download WAPORWA

Download the WAPORWA from here:

https://github.com/iwmiwaplus/WA_Souss_Massa_Training/

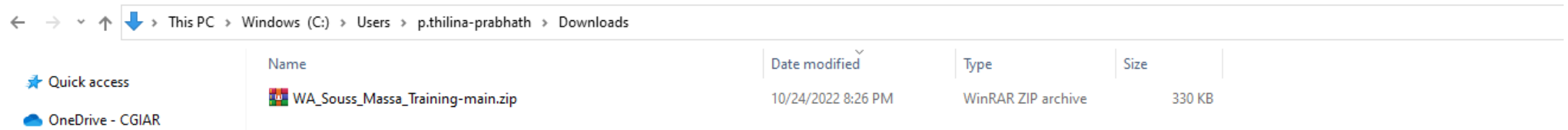


Click on [code](#) then the download zip

Step 3: Create python environment WAPORWA

Create a new environment with all the necessary Python packages for running WAPORWA

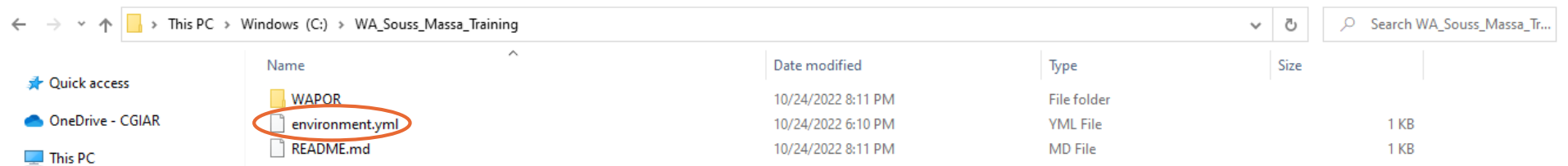
- Unzip folder **WA_Souss_Massa_Training-main**



- Rename the folder as **WA_Souss_Massa_Training**

Step 3: Create python environment WAPORWA

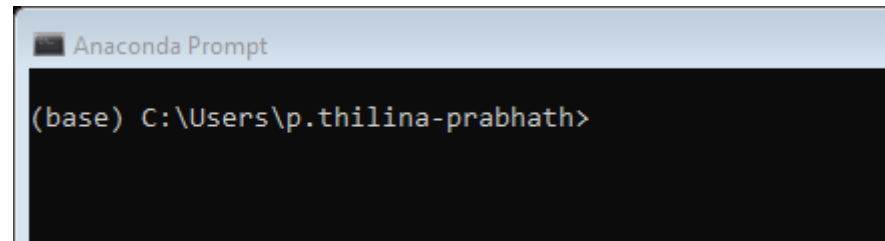
- Move WA_Souss_Massa_Training to working location
(example:- C:\WA_Souss_Massa_Training)



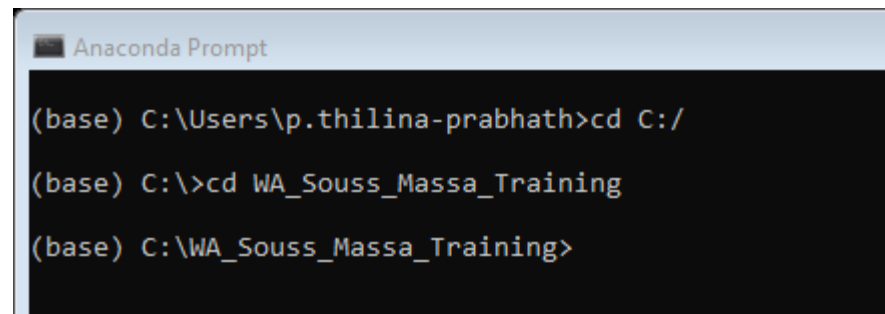
- Within WA_Souss_Massa_Training folder locate environment.yml file

Step 3: Create python environment WAPORWA

- Make sure you have internet access
- Open Anaconda prompt and change to **WA_Souss_Massa_Training** folder
- On my computer **WA_Souss_Massa_Training** is on the C



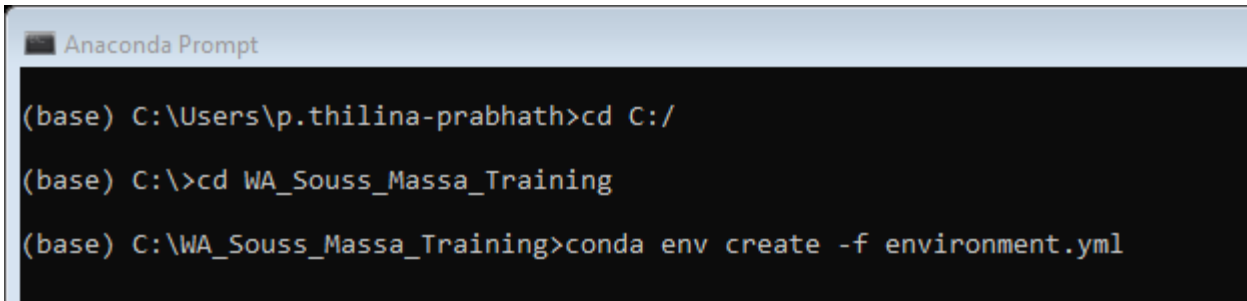
```
Anaconda Prompt
(base) C:\Users\p.thilina-prabhath>
```



```
Anaconda Prompt
(base) C:\Users\p.thilina-prabhath>cd C:/
(base) C:\>cd WA_Souss_Massa_Training
(base) C:\WA_Souss_Massa_Training>
```


Step 3: Create python environment WAPORWA

- Create a new environment (Python 3) with
- all the necessary Python packages for running WAPORWA
 - Type *conda env create -f environment.yml*
 - and press enter.



```
Anaconda Prompt

(base) C:\Users\p.thilina-prabhath>cd C:/

(base) C:\>cd WA_Souss_Massa_Training

(base) C:\WA_Souss_Massa_Training>conda env create -f environment.yml
```

- This might take a while depending on internet ... be patient

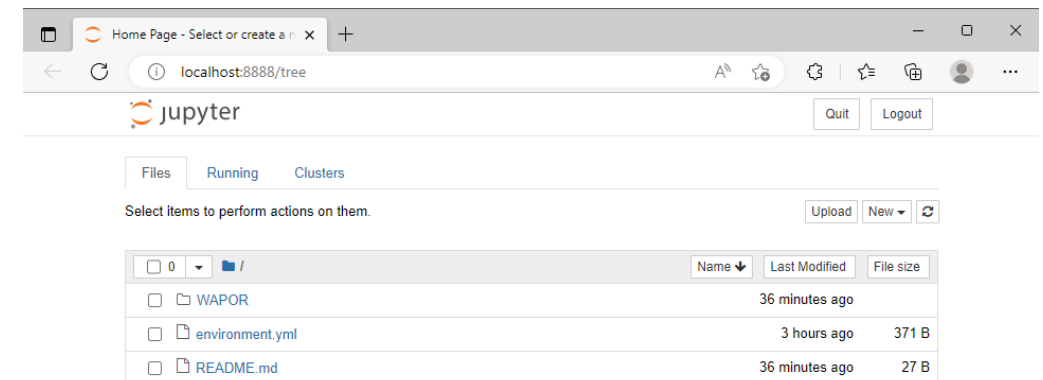
Step 4: Test the installation

- Activate environment :
 - Type *conda activate waporwa* and press enter.

```
(base) C:\WA_Souss_Massa_Training>conda activate waporwa  
(waporwa) C:\WA_Souss_Massa_Training>
```

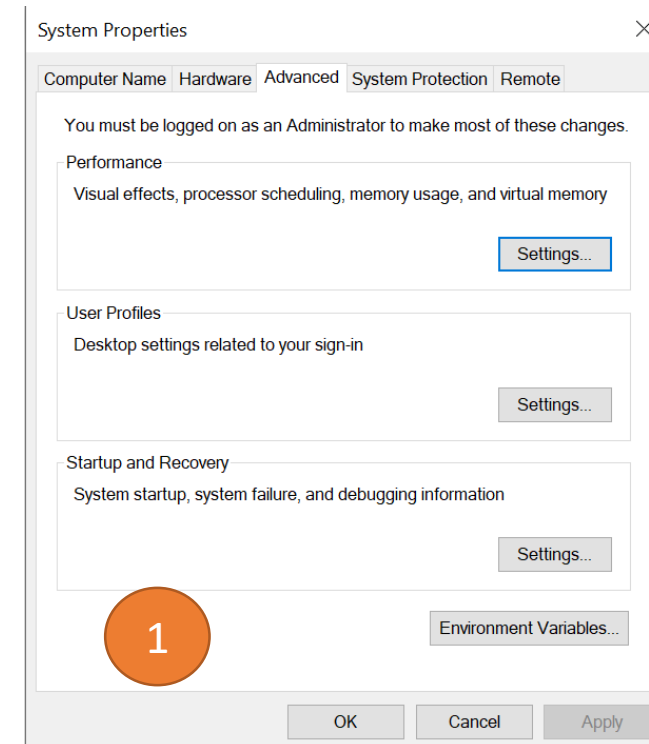
- With the waporwa environment activated lets open a python jupyter notebook
- Type *jupyter notebook*

```
(base) C:\WA_Souss_Massa_Training>conda activate waporwa  
(waporwa) C:\WA_Souss_Massa_Training>jupyter notebook
```



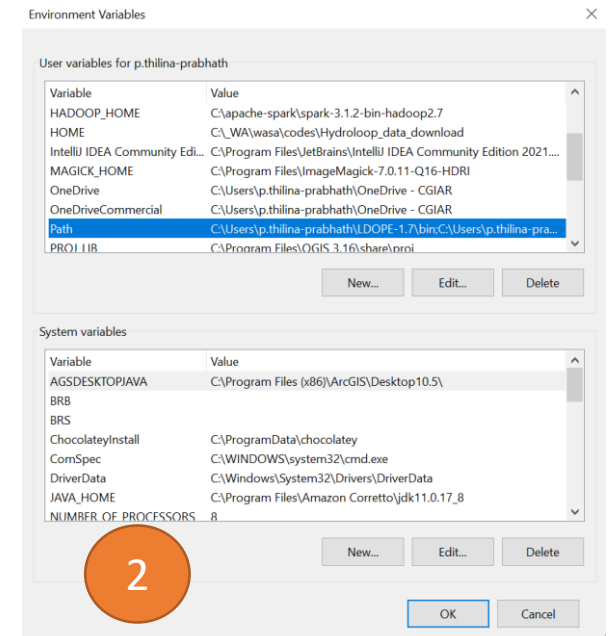
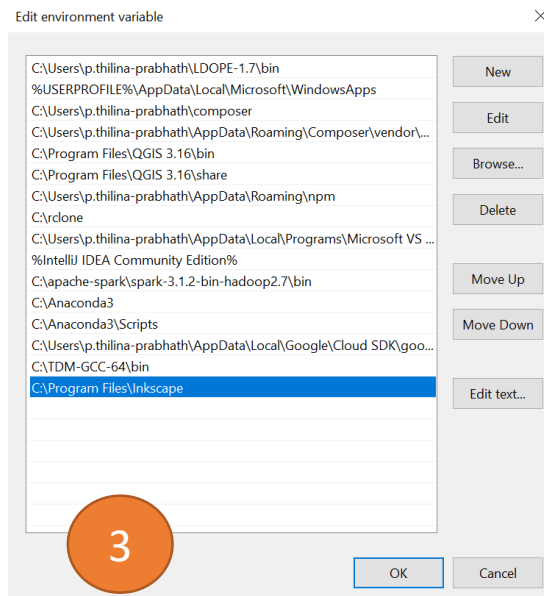
Step 5: Environmental Variable Setup

- Copy the path to Inkscape
 - C:\Program Files\Inkscape
- Add Inkscape path to Environment variable
 - Go to search and type **env** and select **Edit the system environment variables**
 - Click the **Environment Variables**



Step 5: Environmental Variable Setup

- Copy the path to Inkscape
 - C:\Program Files\Inkscape
- Add Inkscape path to Environment variable
 - Go to search and type **env** and select **Edit the system environment variables**
 - Click the **Environment Variables**, then go to path under **user variables**
 - And put the Inkscape path inside the box then click **ok** for all windows.





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Thank you

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