Web UI installation

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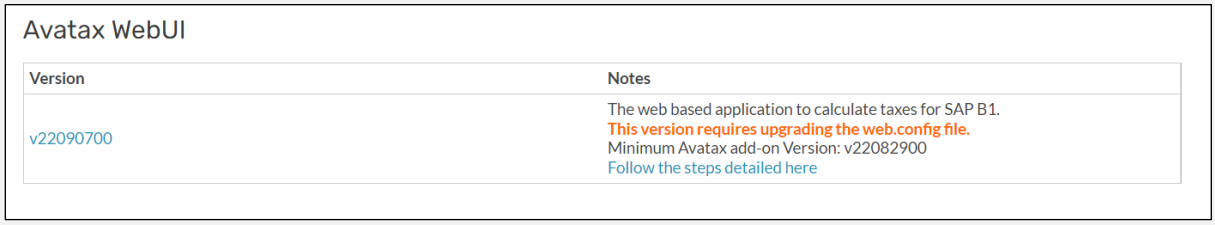
Getting ready – download the files

1. Go to the website to download the Web UI application

Link : http://www.axapsolutions.com/en/downloads

Scroll down until you find the Web UI, as shown:



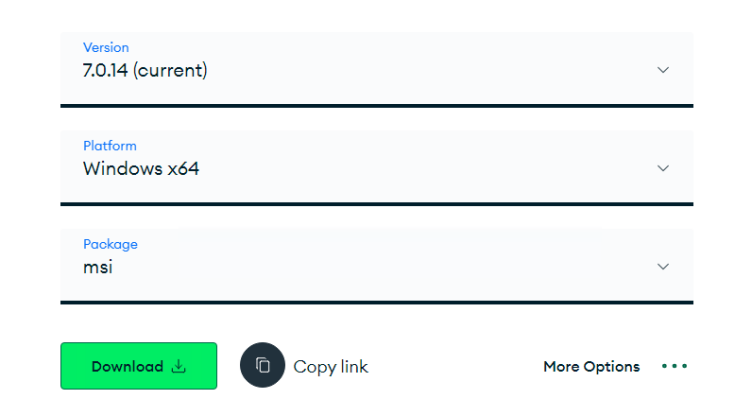
Download it, create a folder in your unit and save the solution (Zip file).

2. Install the "Mongo. dB" database

2.1 Download the installer

The Web UI application uses a database called "Mongo.db", "community" edition.

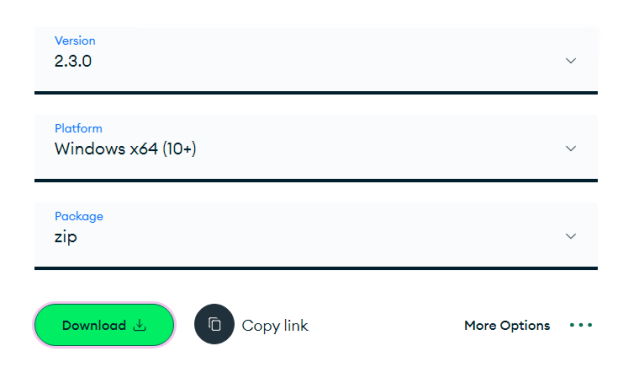
https://www.mongodb.com/try/download/community



There are different versions available, it is recommended to download the last edition. However, depending on the Windows installed, it could be an incompatibility with the latest release; in that case, try a previous version.

Also, for the newest versions you need to install the Mongo DB shell:

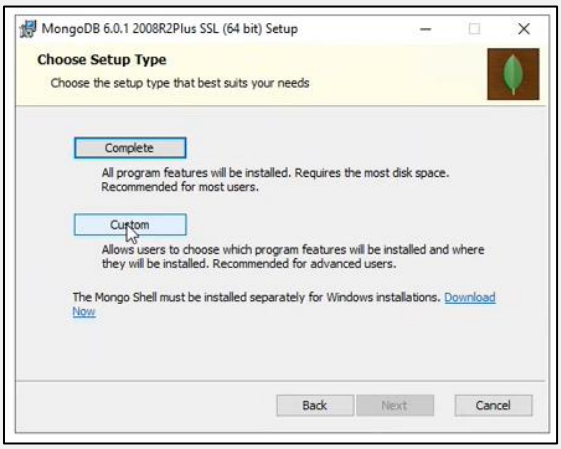
https://www.mongodb.com/try/download/shell



2.2 Install the database

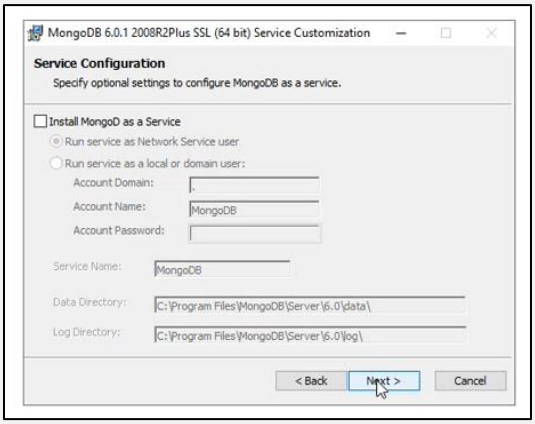
Press Next, in the next screen check the box to accept the terms & conditions.

Select “Custom”, when the below screen shows up.

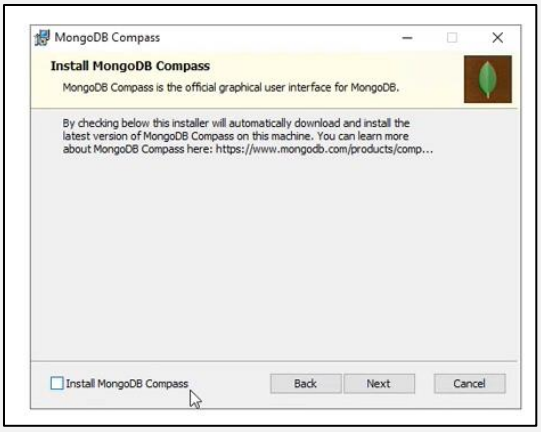


Press “Next” in the follow screen (“Custom set up”).

Afterwards, uncheck the box “Install MongoDB as a service” and press “Next” as shown in the below screen:



For the screen “Install Mongo Compass” uncheck the box:



Finally, press “Next” and Install.

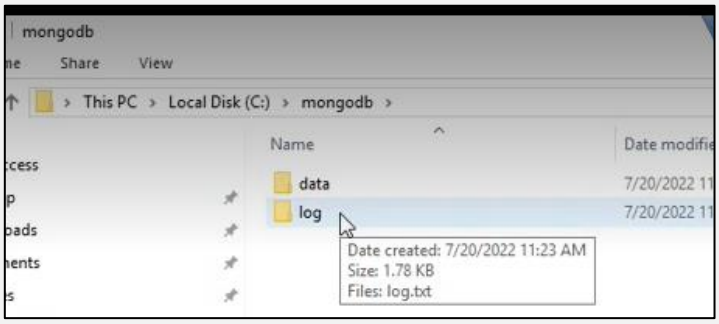
2.3 Set the MongoDB as a service

To have the Application running at all times, it must be configured as a service, this must be done manually.

2.3.1 Locate and create the folders

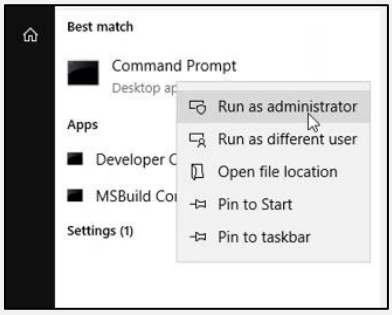
Two folders must be created in Disc C for the application.

As shown, one folder is for the data and another for the logs.

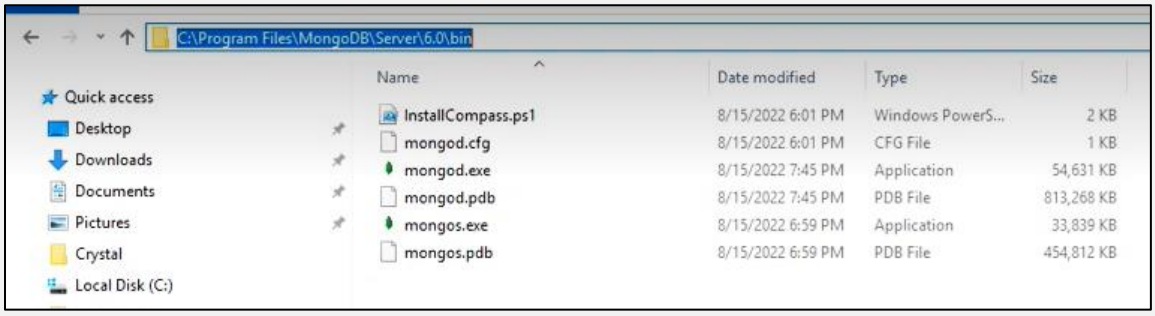


2.3.2 Create MongoDB as a service

Go to the windows start bar, type “cmd”, right click on the “command prompt” console because you must run it as an “Administrator”.



Once the console opens to access the database you must type the location. So, you have to find where MongoDB was installed, and copy the path as shown :



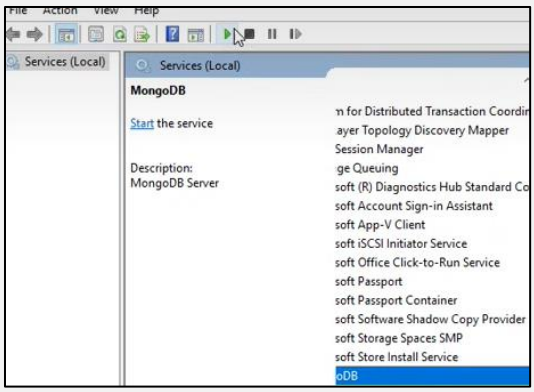
Then type in the console the letters “cd”, which stands for chain directory, and paste the path previously copied. Finally press enter.

Afterward, add the following script and execute:

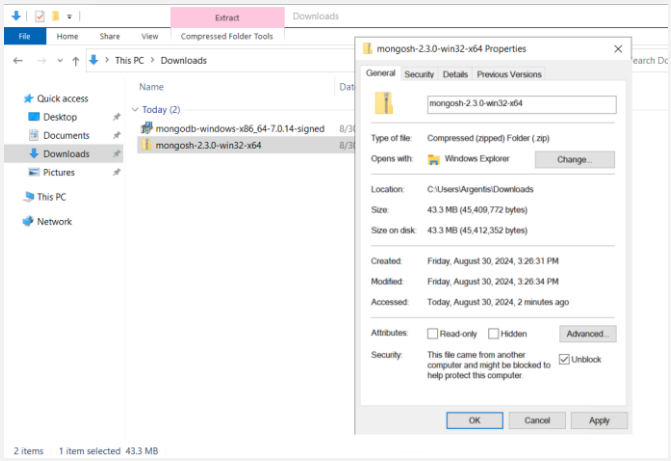
mongod.exe --dbpath=c:\mongodb\data --logpath=c:\mongodb\log\log.txt --auth –install

As a result of that, MongoDB should have been installed as a service on your PC.

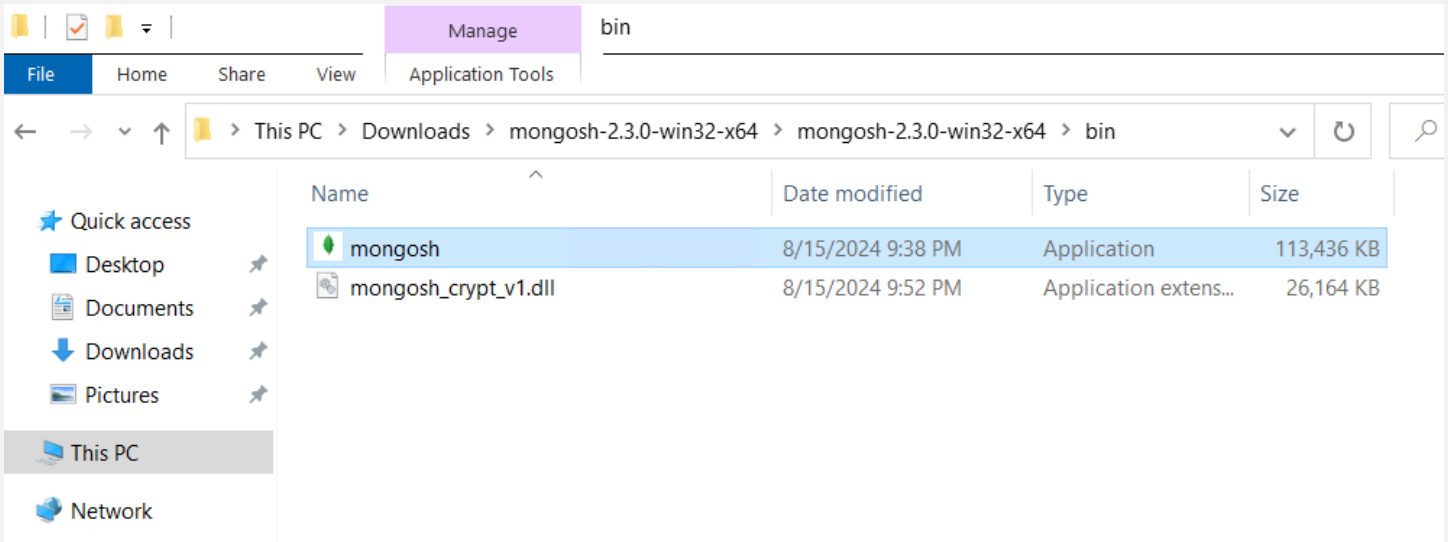
To check it, go to “Services” and search for it. Once it is found, select it and press “Run” as shown.



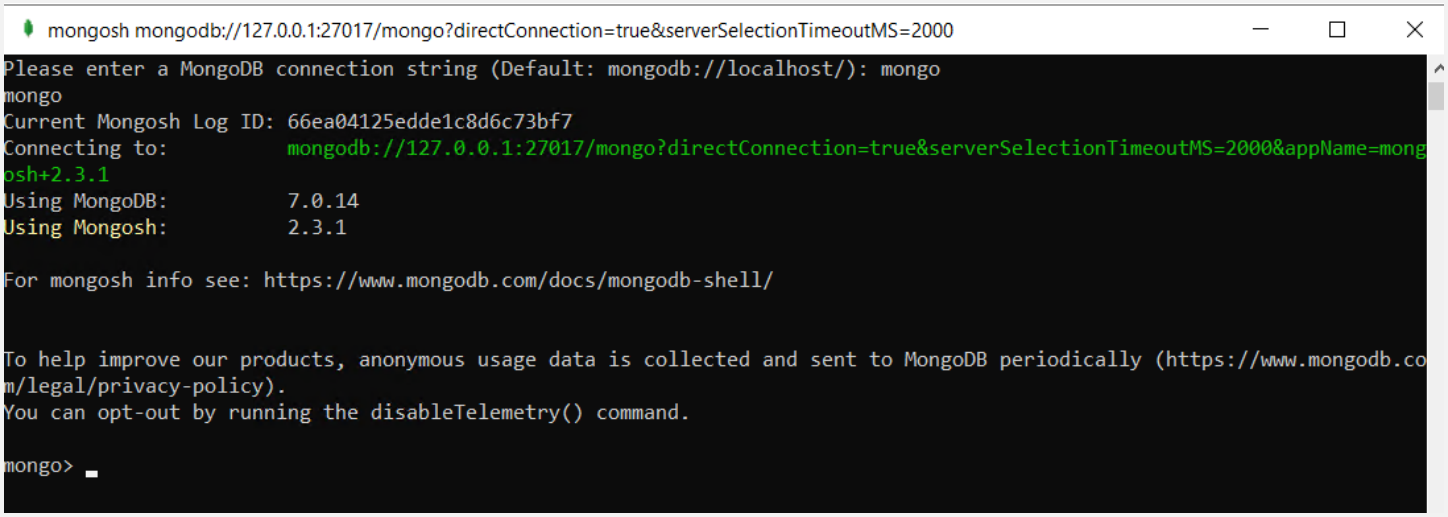
Search for the mongo shell file, Unblock and extract all the files



Search the file mongosh, and execute



Check the installation was successful by going back to the console and typing “mongo”, you should receive the below message



In case something went wrong and you receive a failure message, you need to remove the mongo db. Please check the "Sanity Check" section within this guide, to eliminate it.

2.3.3 Create the admin user in Mogo DB

Then you must add the below script to create the admin user and authenticate

```
db.createUser(
 {
  user: "sa",
  pwd: "$b0admin",
  roles: [ { role: "userAdminAnyDatabase", db: "admin" } ]
 }
)
```

Once the sentence is added, right click and you should get a message as shown:

The other step is to authenticate the user so the database will allow us to modify the data.

If you get a 1 after you added the sentence then it was correctly created.

The comand is: db.auth(“sa”, “$boadmin”)

```
admin> db.auth("sa", "$b0admin")
{ ok: 1 }
admin>
```

2.3.4 Create the database and an user for the WebUI

Type the below code in the console:

Insert

```
use Avatax
db.createUser(
 {
  user: "appUser",
  pwd: "appUser6421",
  roles: [ { role: "readWrite", db: "Avatax" }]
 }
)
```

Result

```
admin> use Avatax
switched to db Avatax
Avatax> db.createUser(
...  {
...  user: "appUser",
...  pwd: "appUser6421",
...  roles: [ { role: "readWrite", db: "Avatax" }]
...  }
... )
{ ok: 1 }
```

The other step is to authenticate the use, The comand is: db.auth(“appUser”, “appUser6421”)

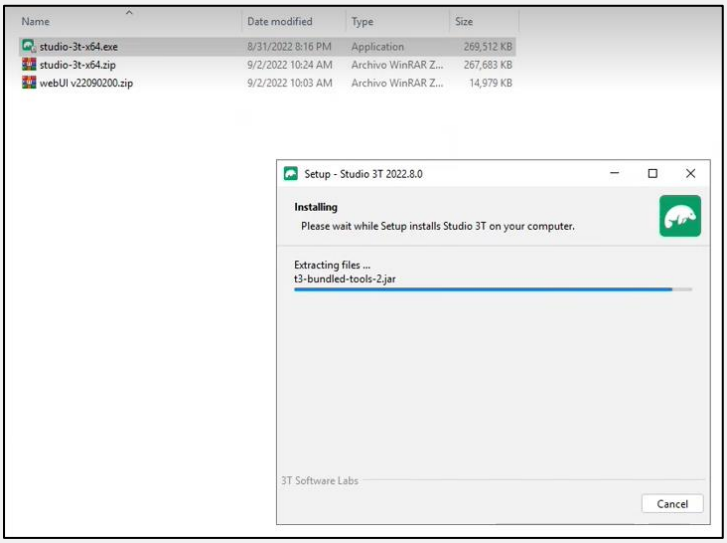
```
Avatax> db.auth("appUser", "appUser6421")
{ ok: 1 }
```

The database is unique for each instance, so if there is already one, but needs a second one; then you must create a new database by changing the name, user, and password.

3. Download and install Studio 3T

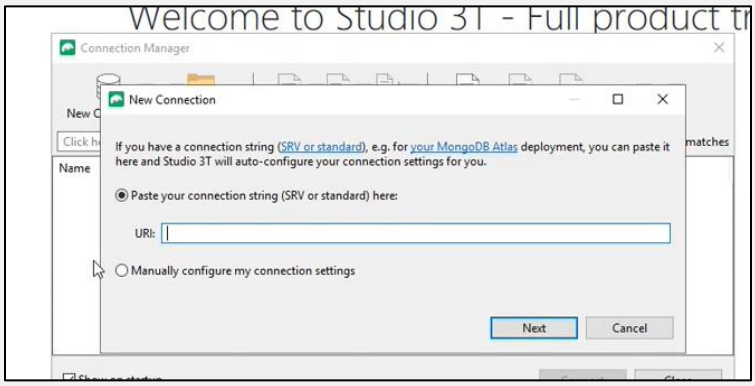
Navigate to this link to download it https://studio3t.com/download/

After, extract the files and install it.

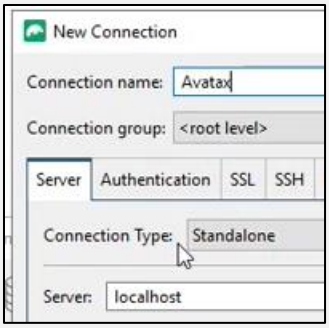


Log in or create an account, after create a new connection

Then check the option to configure it manually (second option) and press “next”



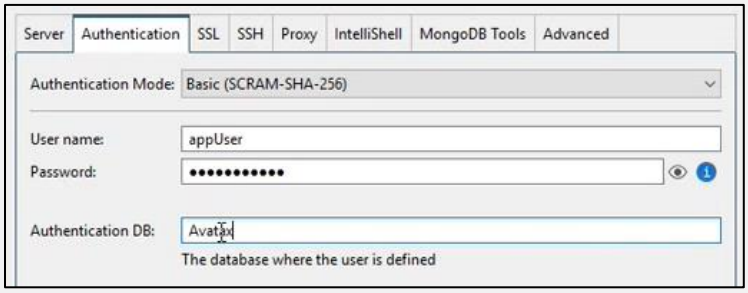
Then add a connection name and in the server set your type of connection



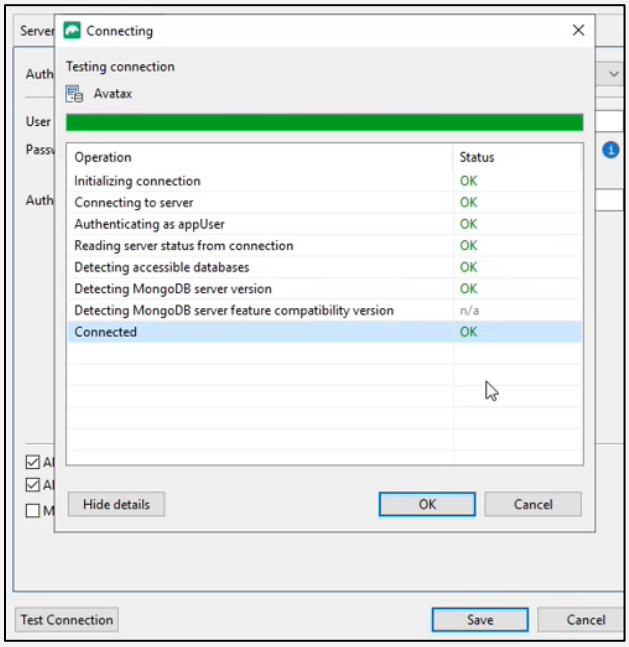
On the Authentication, tab add the user details created for the WebUI database step 2.3.4

User : appUser

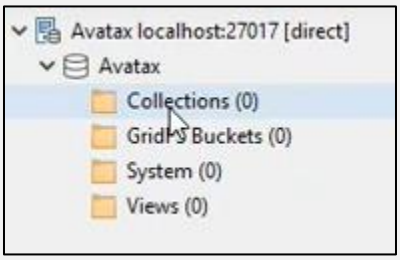
Password: appUser6421



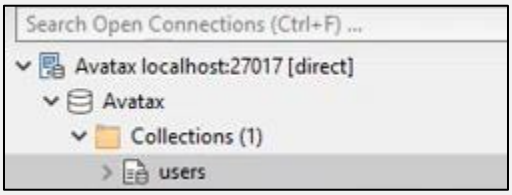
Then press “Test connection” , hit “save” and connect.



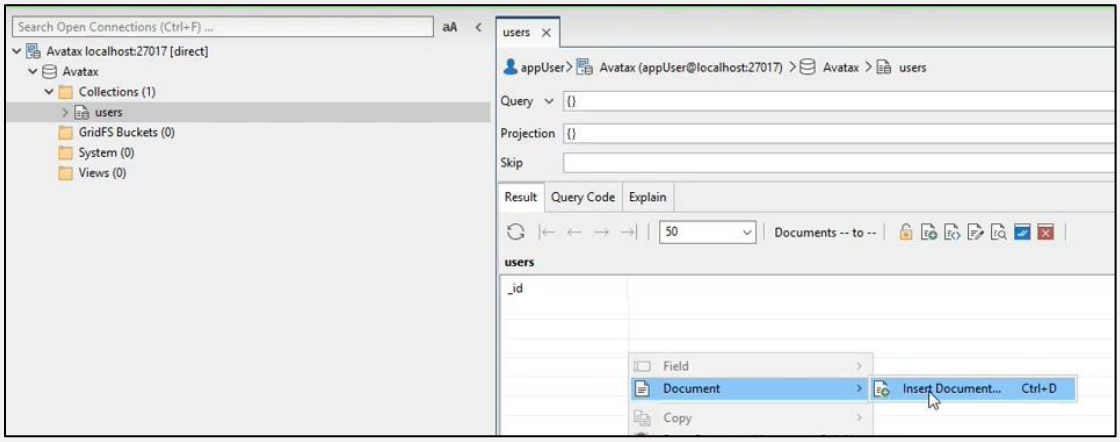
If everything is fine, you should see something like this:



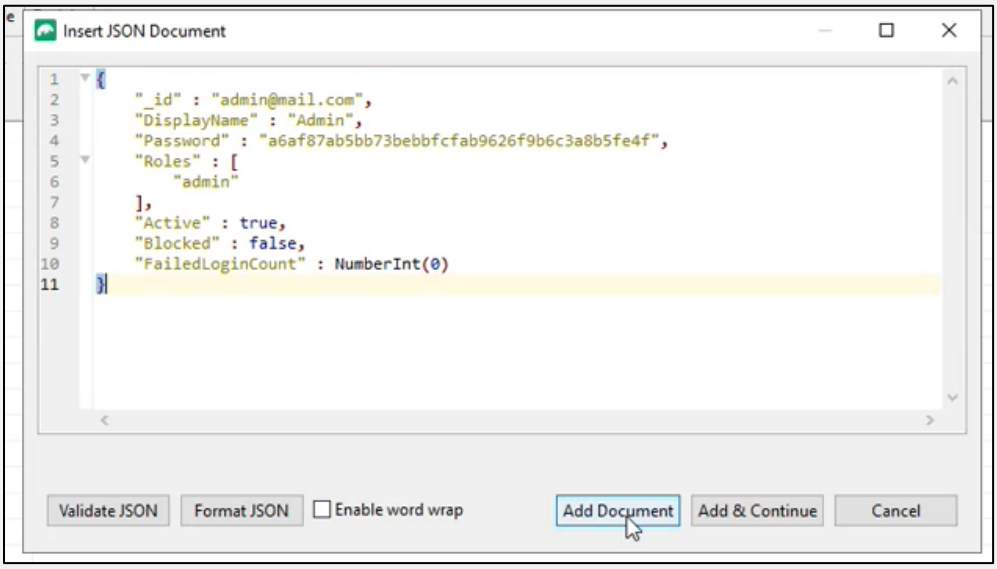
Create a folder named “users” (do not use capitals letters) under the collections.



Then go to the file “user” , right click and press insert a document



A screen pops up, paste the below script

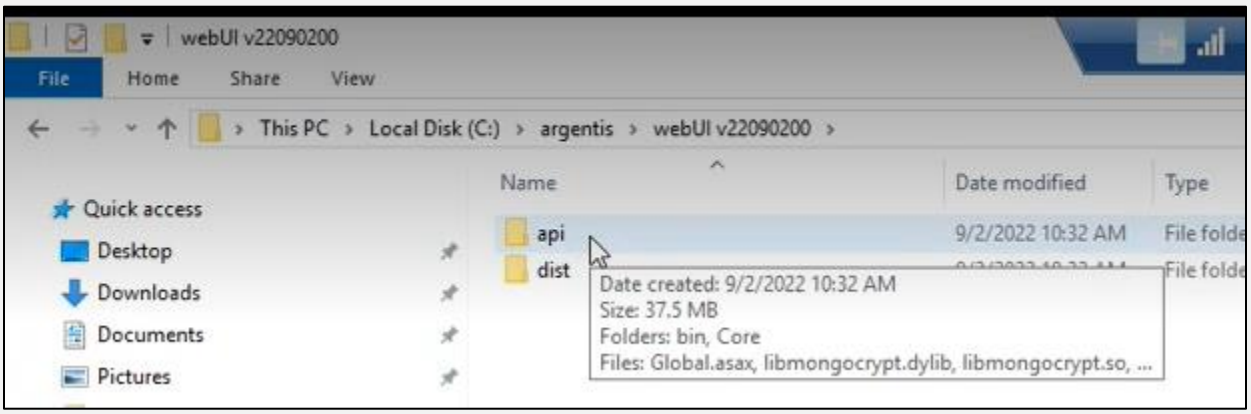



```
{
  "_id" : "admin@mail.com",
  "DisplayName" : "Admin",
  "Password" : "a6af87ab5bb73bebbfcfab9626f9b6c3a8b5fe4f",
  "Roles" : [
    "admin"
  ],
  "Active" : true,
```

```
  "Blocked" : false,
  "FailedLoginCount" : NumberInt(0)
}
```

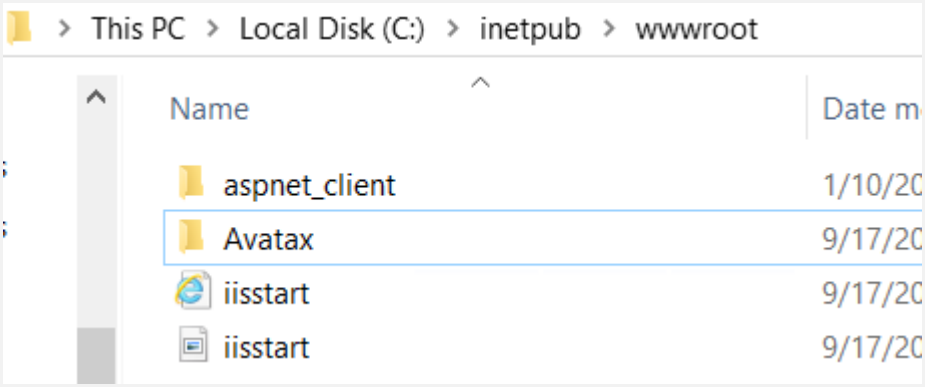
4. Creating the WebUI as an application.

On step 1, you downloaded the application, you should save it in a folder as shown:

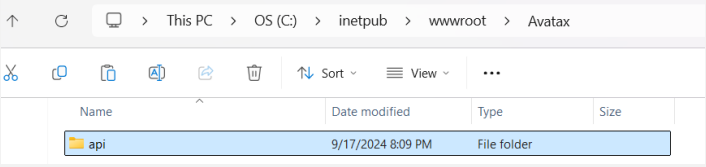


4.1 Configuring the application in IIS

Go to the path shown below and create a folder for Avatax.



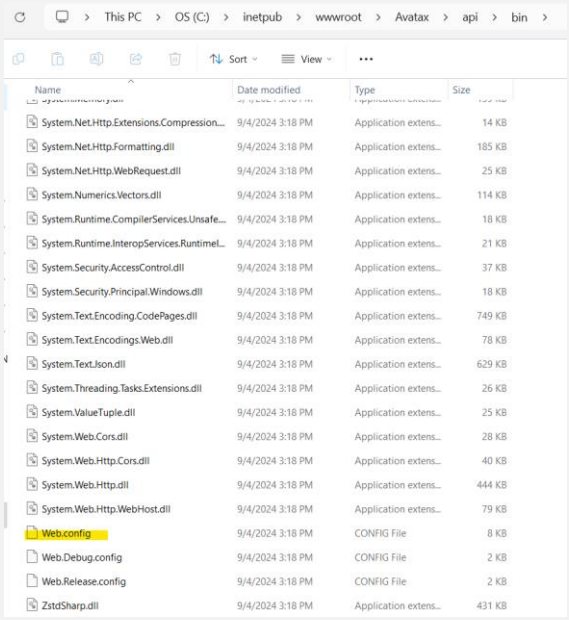
Then copy the folder “api” of the solution and take it to the above location



Inside “Api” folder there should be a document “Web.config”.

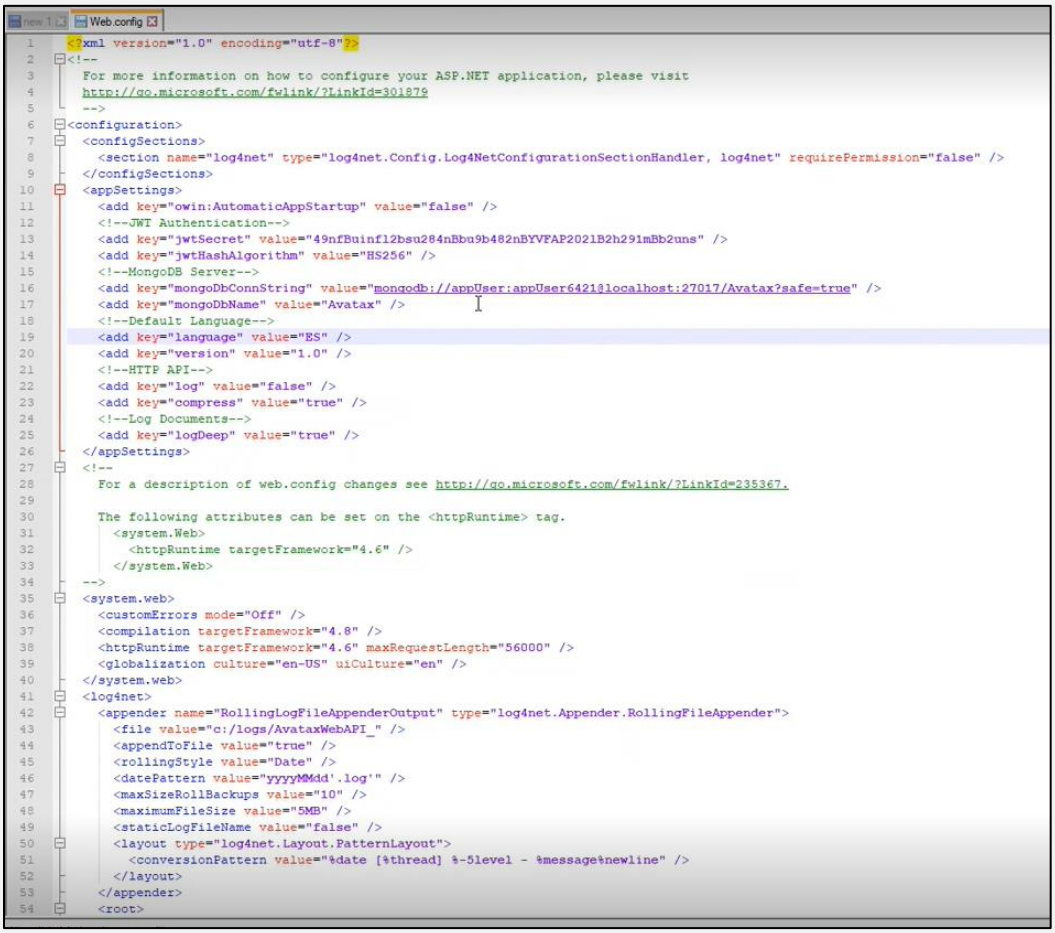
If it isn’t, then look for it in the “bin” folder; copy it and put it in the “api” folder.

The “Web config” is a document that indicates to IIS that Avatax is an application and explains how it works.

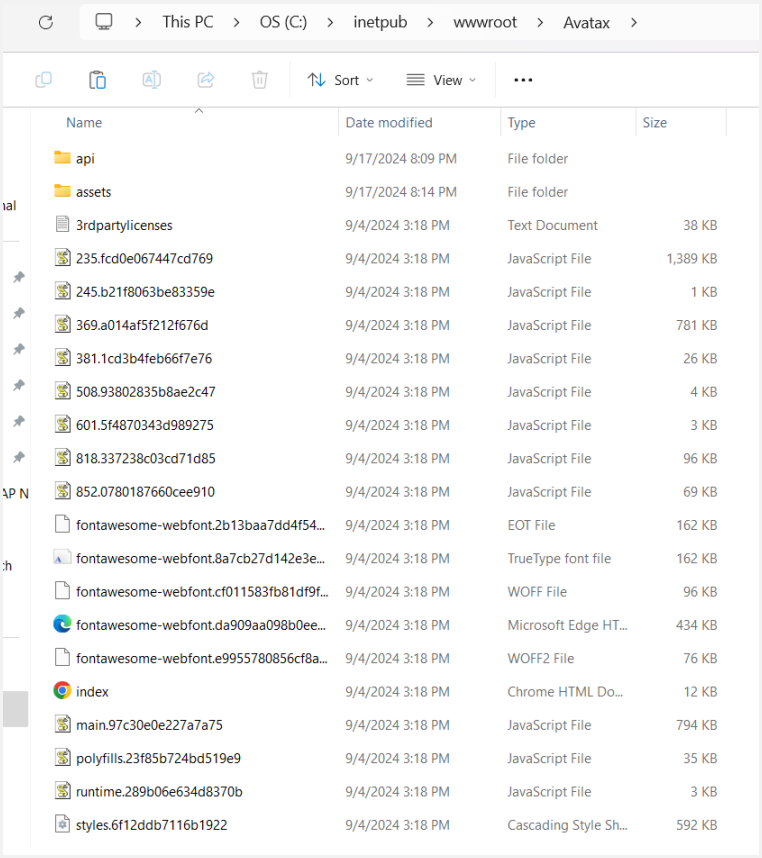


If you open it , it looks like below.

In row 16 it is the connection chain, which indicates to IIS where to connect to find the database.



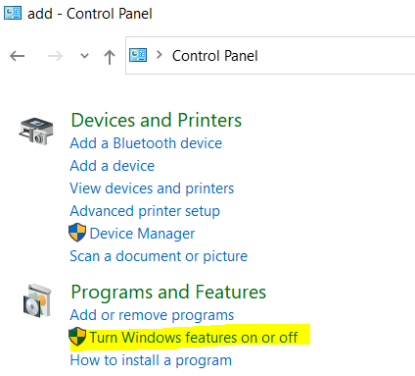
Later, copy all the files from the folder “dist” (disc C, Argentis, WebUI) in the below location



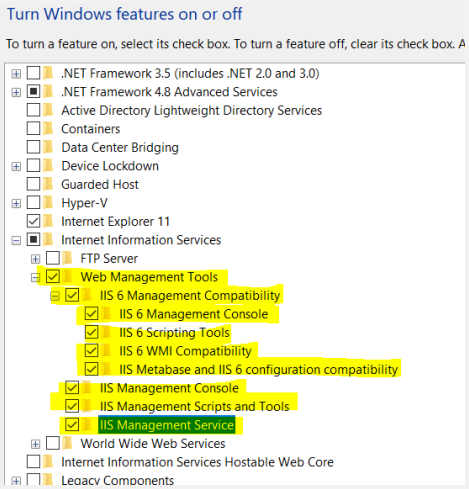
To run the application we need to create it in the IIS (a Windows feature that supports the use of others applications). This is a Windows element that can be turn on or off. (check the video if you don’t have it).

Once it is installed or found, access to the IIS

IMPORTANT: *if the IIS is not installed, we need to install it. To do this, go to Control Panel, then press on “turn Windows features on or of”*

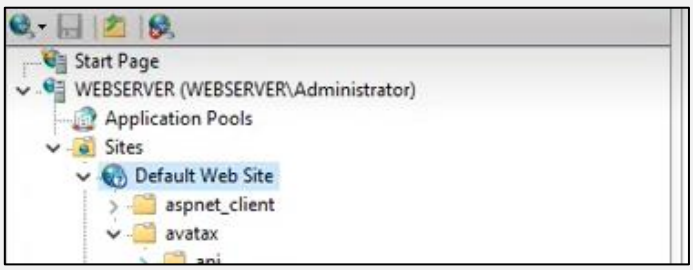


Depending on the version of Windows we have installed, the view could vary. But you have to search for these services, and check all checkboxes related to IIS, then press ok, the component will be installed after a few minutes

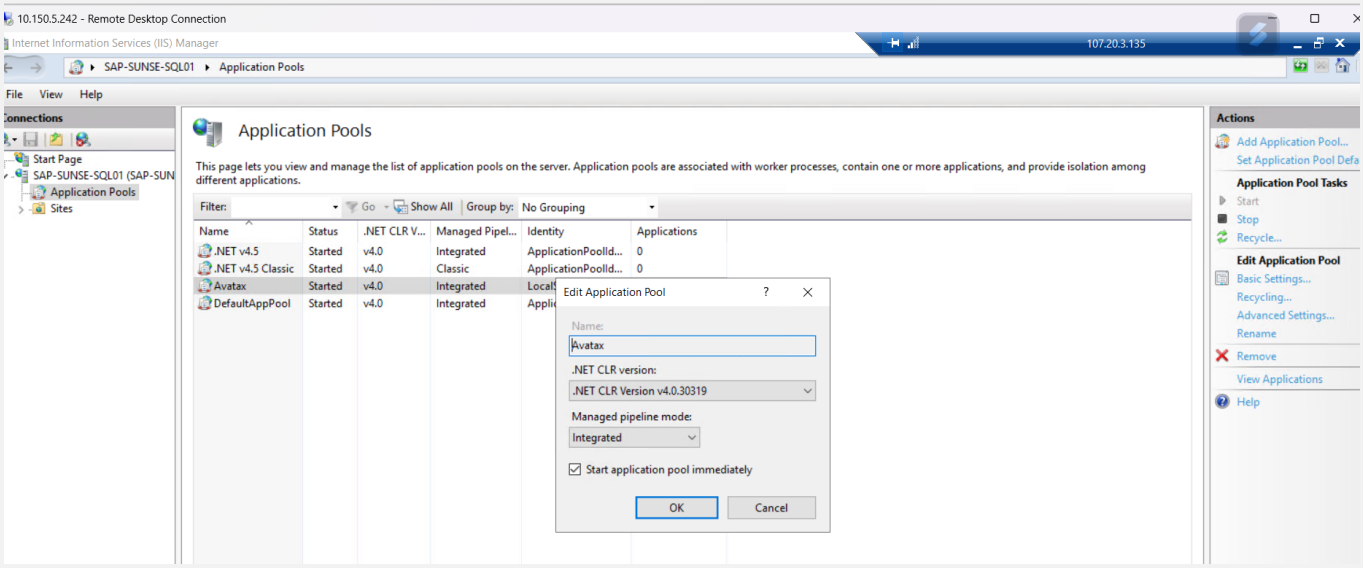


The IIS has a folder named “inetpub” where it stores all the applications.

Go to IIS and check if the application is already created.



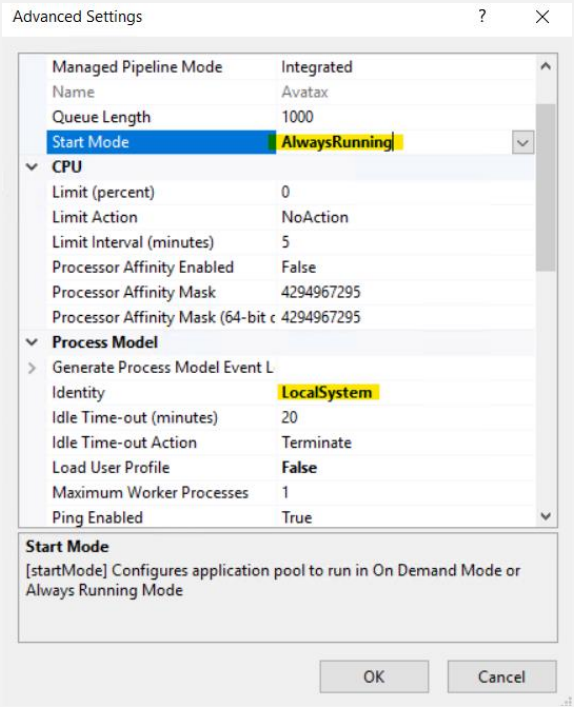
Each application runs with a process, to configure it, it is necessary to create an application pool in IIS. So press on “Application pools”, select add application. Then configure one as shown:



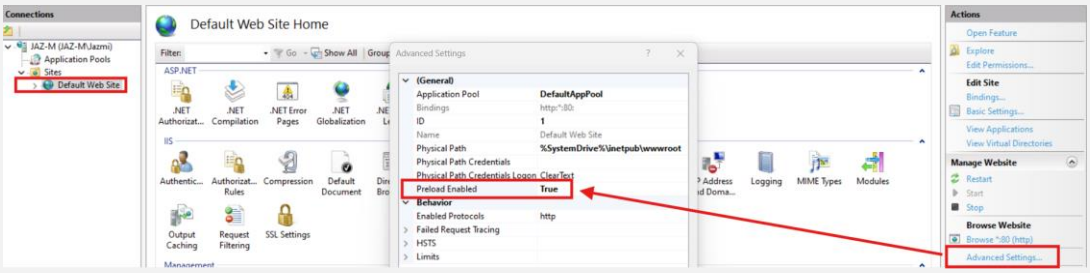
Some settings must be changed in the Application tool just created.
In order to do so, click on “Advanced settings” (right side of the screen) and make the below changes :

Start mode: select “Always running”.
It is necessary to make sure the IIS is not going to turn off the Application when it is not used. Otherwise, the schedule won’t jobs run .

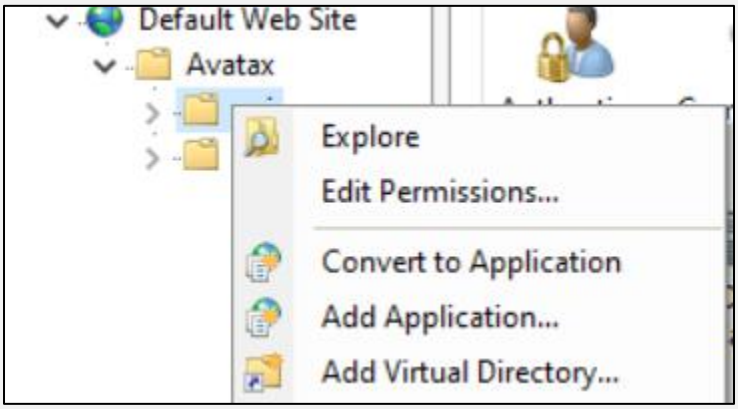
Identity: select “Local system” (if the client uses DI server)



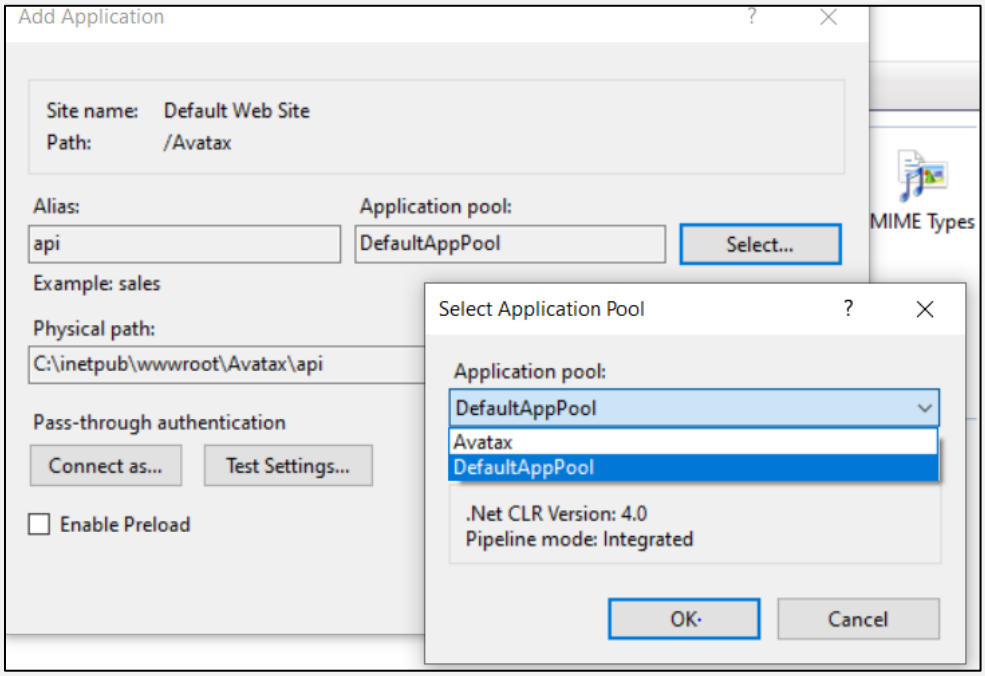
You need to change the preload to True on the Default Web Site



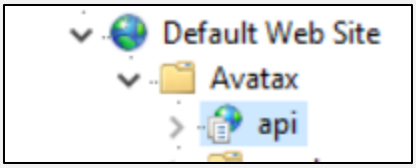
Then we need to convert the solution into an application. To do so, press right click on the “api” folder and select “convert to Application”.



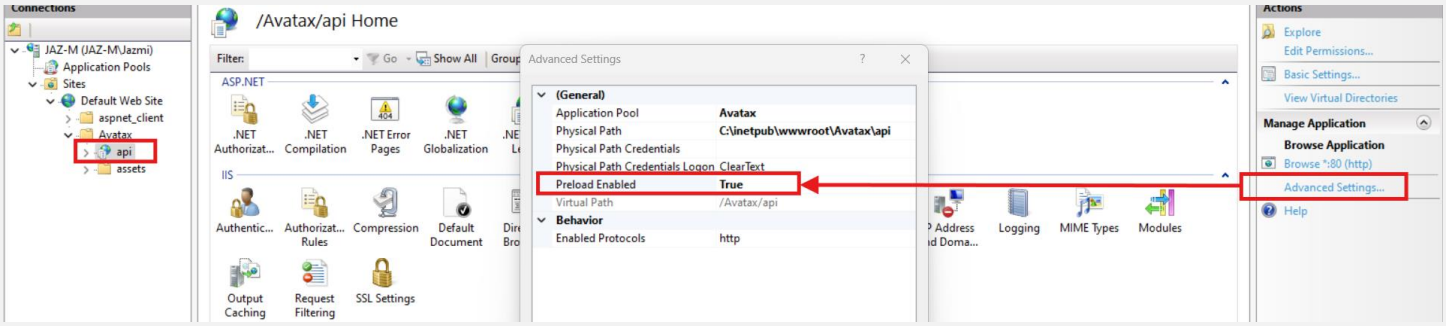
Afterwards, change the Application pool to “Avatax”



As a result the “api” folder must look like shown below because it was turned into an application

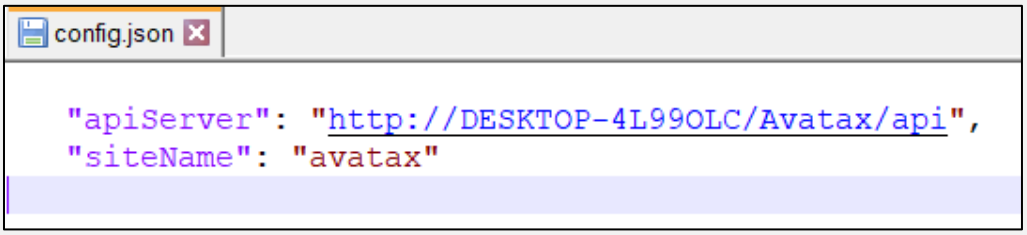


Once the application is create you Must selected ang go to the advance setting and change the preload to true

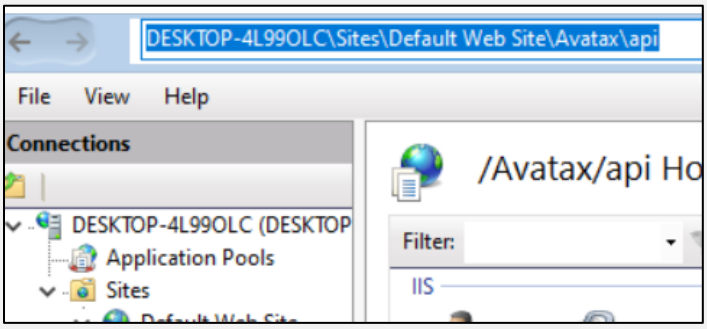


Now, open the JSON file and modify the URL accordingly.

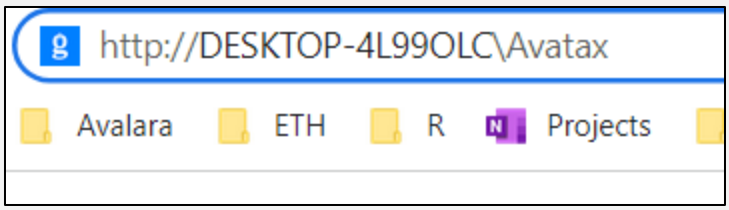
The below print shows the url to match with a specific local server. Yo should take the one for you.



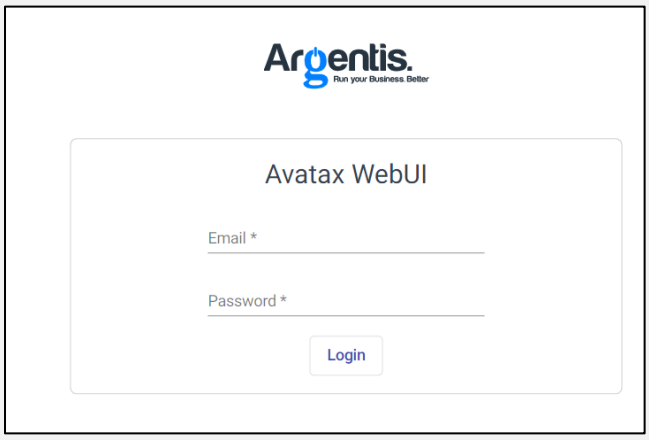
Copy the server's name from the ISS



Insert I the browser:



If everything is correct you should be able to access to the Web UI portal.



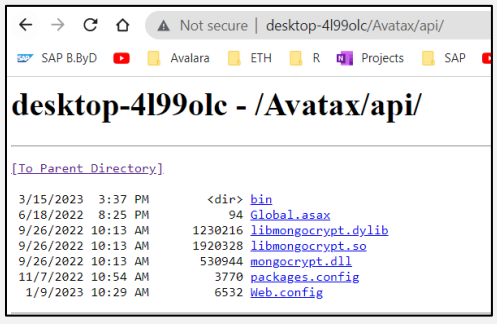
To Log in by DEFAULT :

- User: admin@mail.com
- Password: $boadmin..

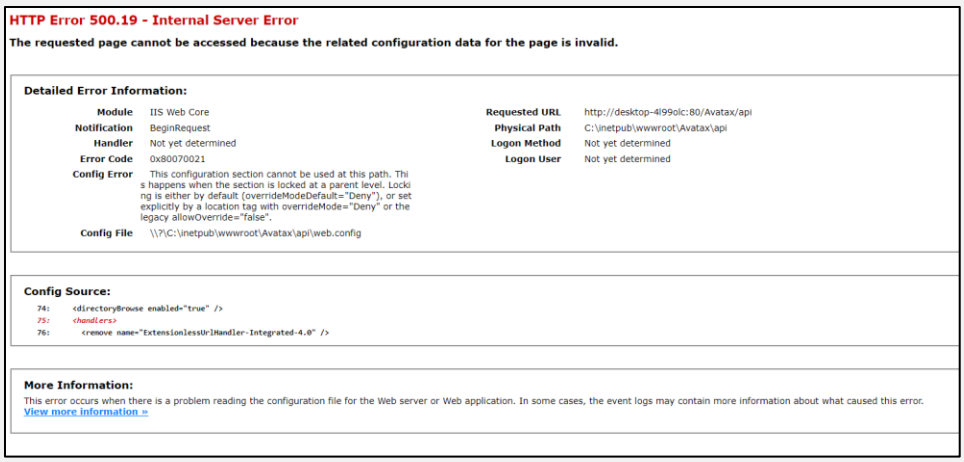
5. Sanity check

To verify the installation was successfully done, you can type in the browser the same as before and add "/api"

If the installation is correct, you should see something like this



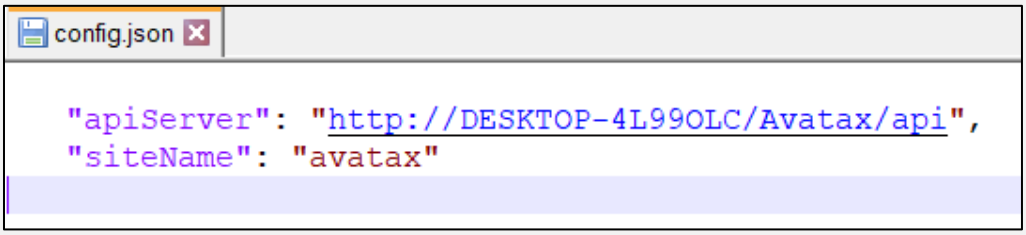
Otherwise, you might see something as shown :



This error is caused because in the json document the address is set up as a local host, but the application is installed on desktop XXX.

In order to fix it, open the JSON file and modify the URL accordingly.

The below print shows the url to match with a specific local server. Yo should take the one for you.

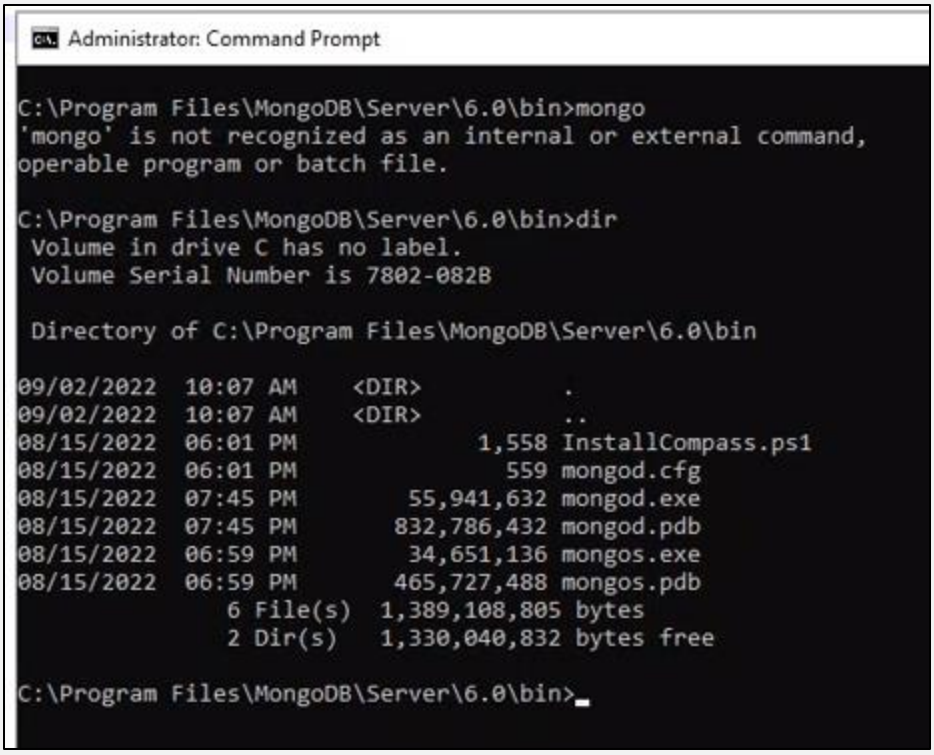


6. Remove mongo db

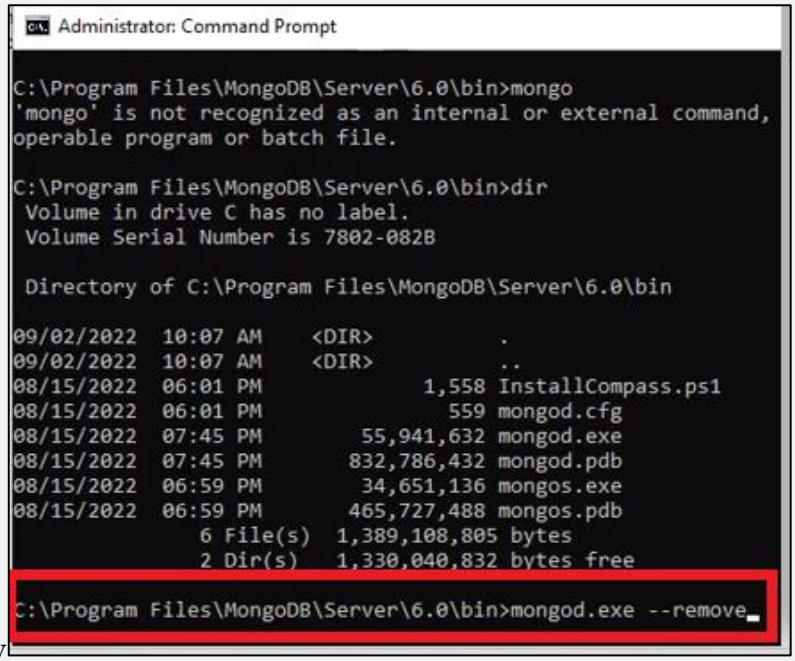
If the mongo db isn't successfully installed, it needs to be removed.

Possible messages to receive if there is an error:

A) Installer is missing a file



First, you need to remove it from the cmd. Type this command to delete it: mongod.exe --remove



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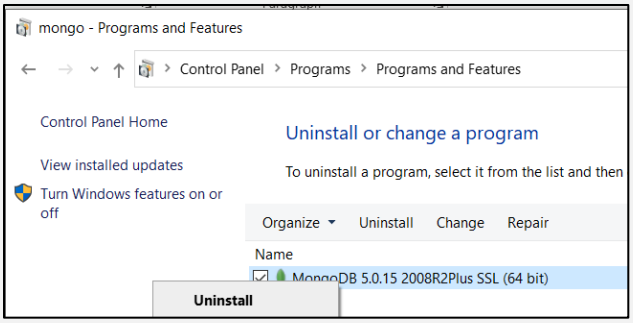
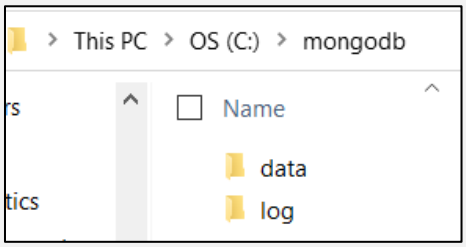
Second, check in “Services” the mondo DB disappeared.

Third, go to “programs” in the panel control and press uninstall.



Finally, delete the mondo db folders created in the disc C.



After that, you should restart the installation process.