HES-SO Valais Wallis

Internet Information Services

Digital Team Academy

Dasek Joiakim

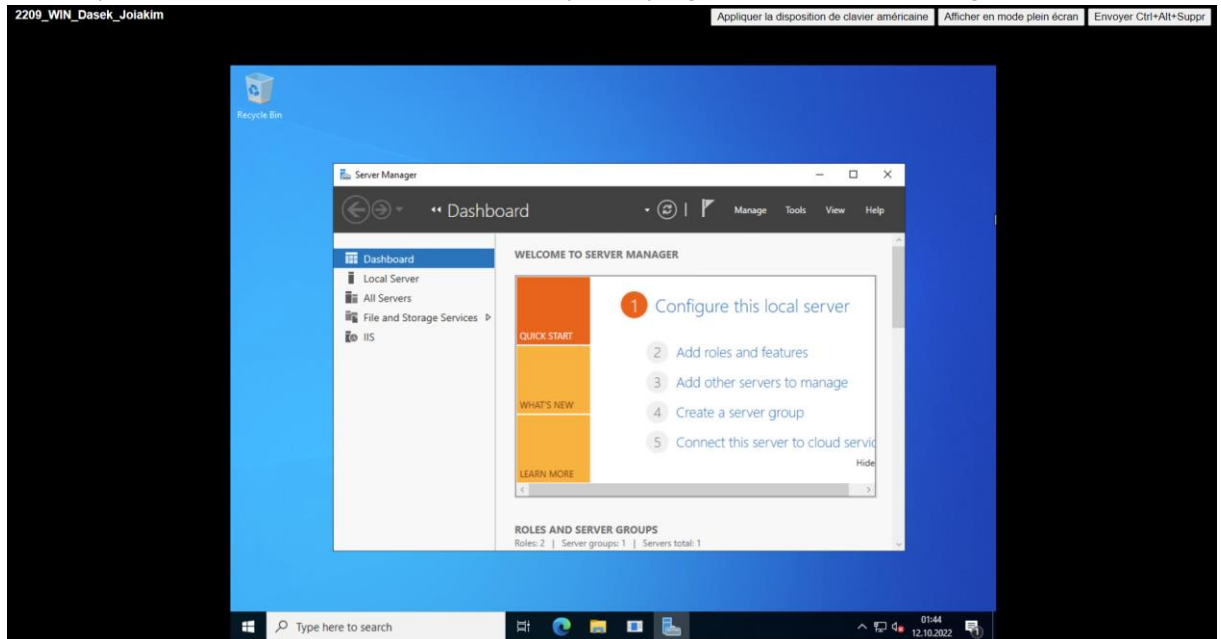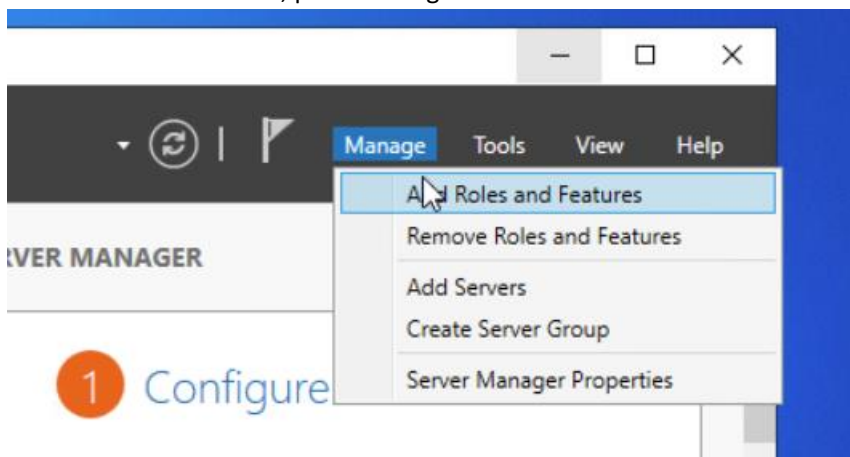12/10/2022

0

Table of contents

Internet Information Services

Install IIS

1. First step, we need to start the Windows Server specific program called Server Manager.


2. Then to install IIS Server, press Manage and Add Roles and Features.

3. We stop on the installation window and on the step Installation Type, we leave the checkbox Role-based or feature-based installation because we want to install a new feature on the server.
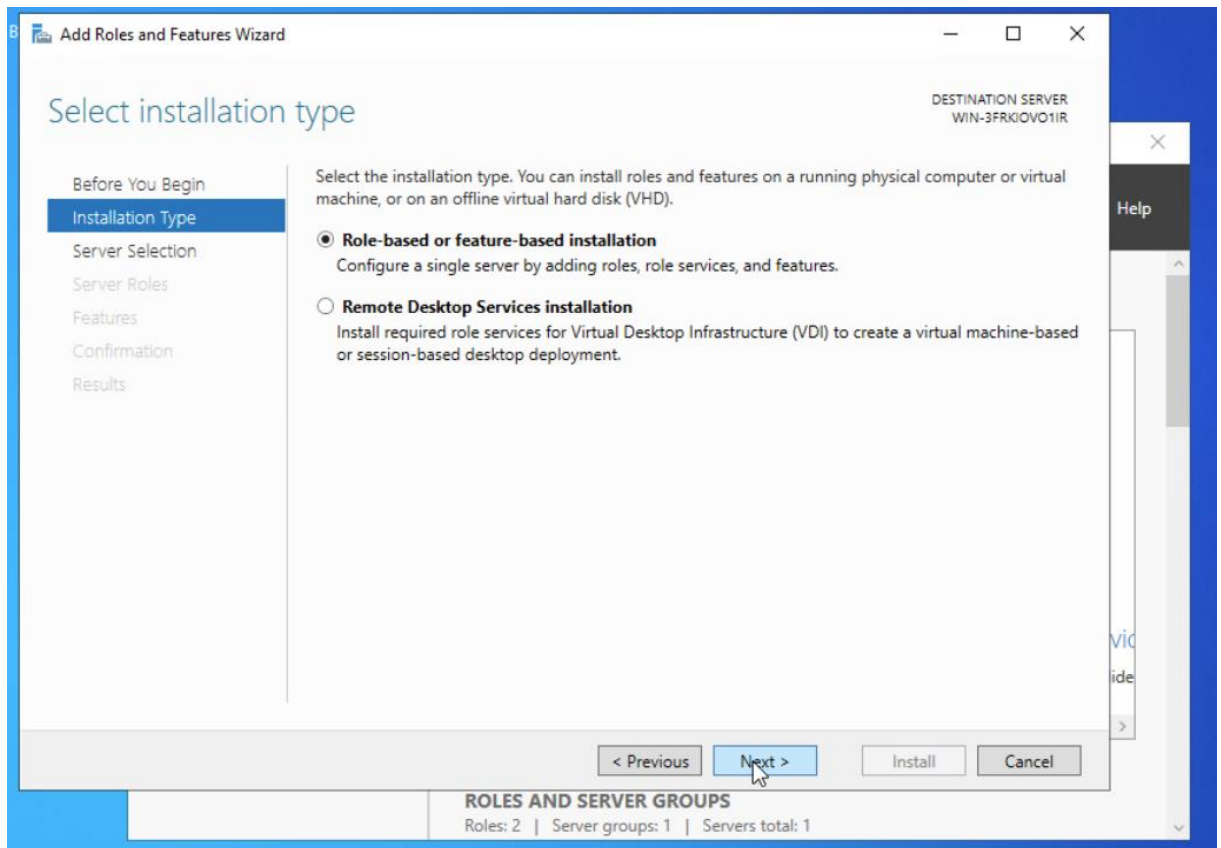
4. In the step Server Roles, we select "Web Server (IIS)" and press Next and in the step Features we select all features or at least the preselected ones and in addition Basic Authentication. Finally, we press install.
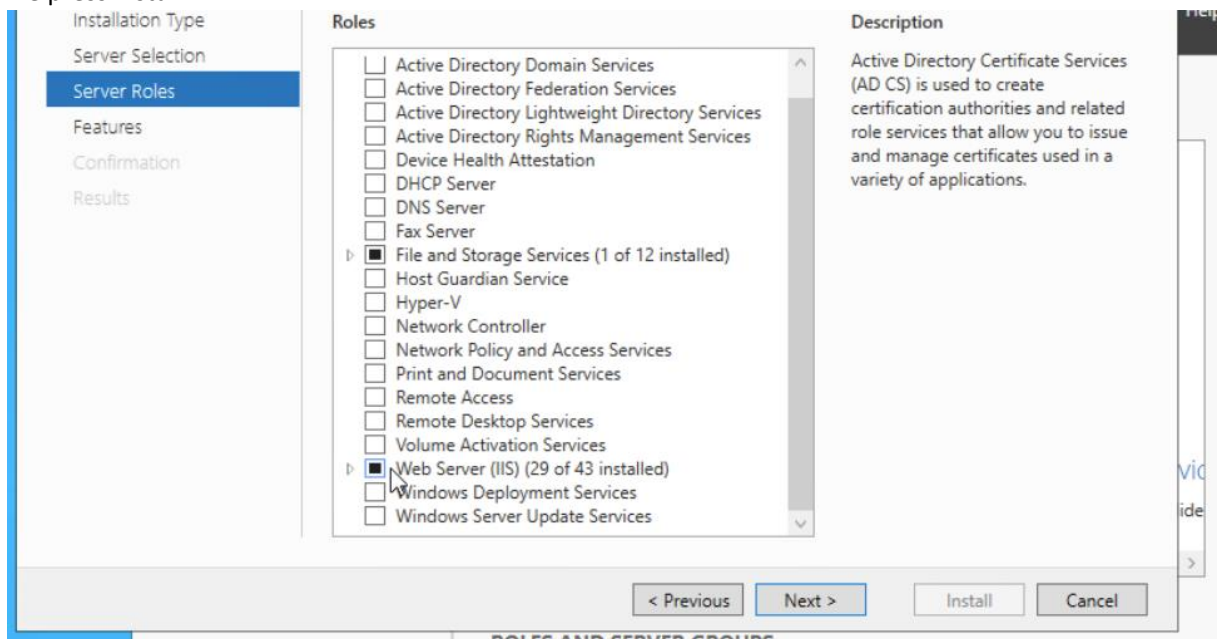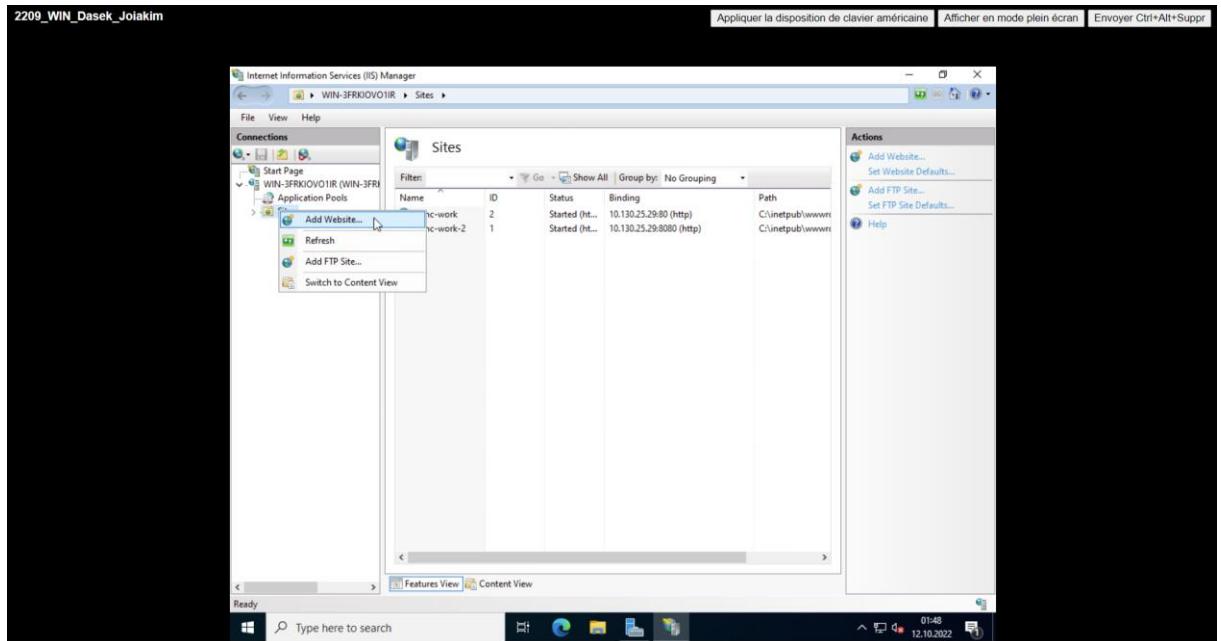
5. Search for "IIS" on the Windows search bar. And then we arrive on the IIS Management interface.
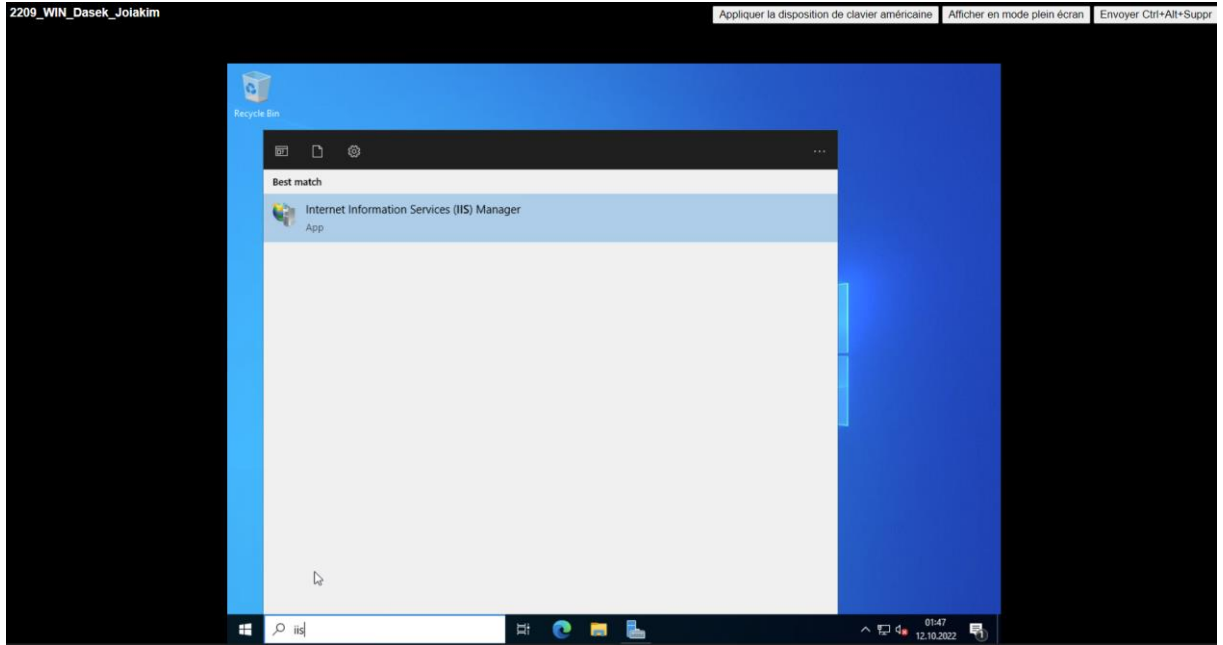
Create site on :80

1. As shown in the image, we can add a new website.

2. On the picture we see several elements. The name of the site will be as you wish, please respect the writing standards. For the Content Directory you can use the default IIS path, "C:\intepub\wwwroot" and in this directory you can create a new root folder for your site with any name you wish. As requested, we will use port 80 for this site and the IP address of the machine which is defined in the drop-down list.
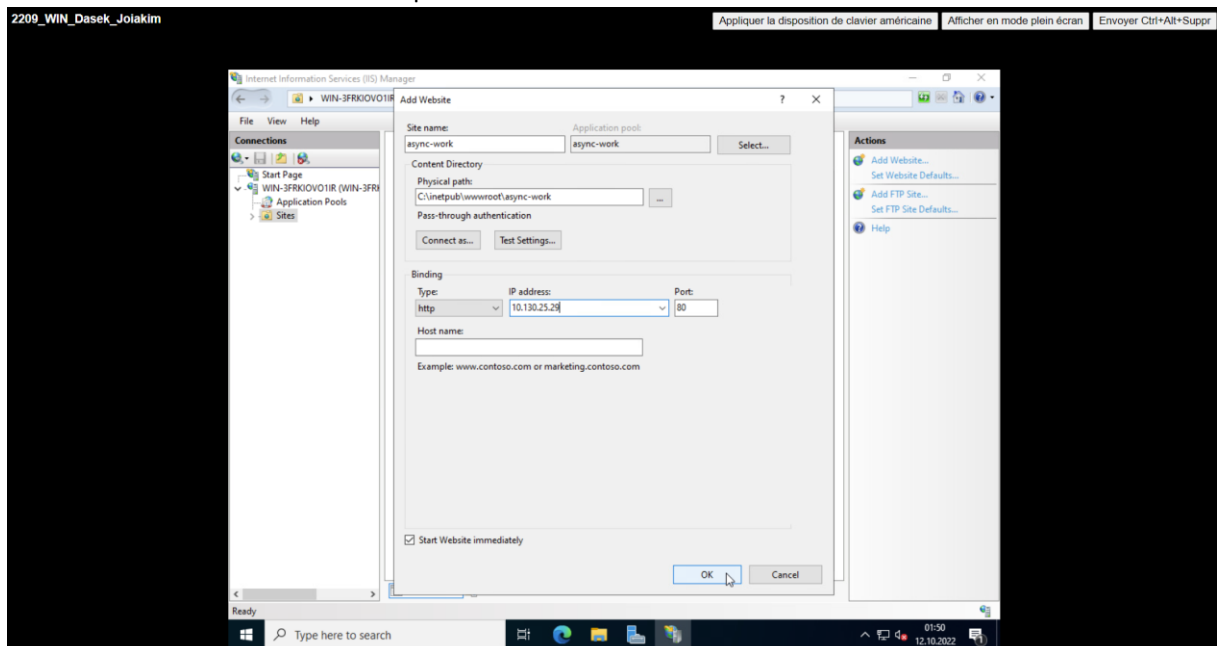
3. Now we need to create an HTML document in the root of our directory. Then we can press Explore as in the image below. This will open the root folder of the site and we can continue.
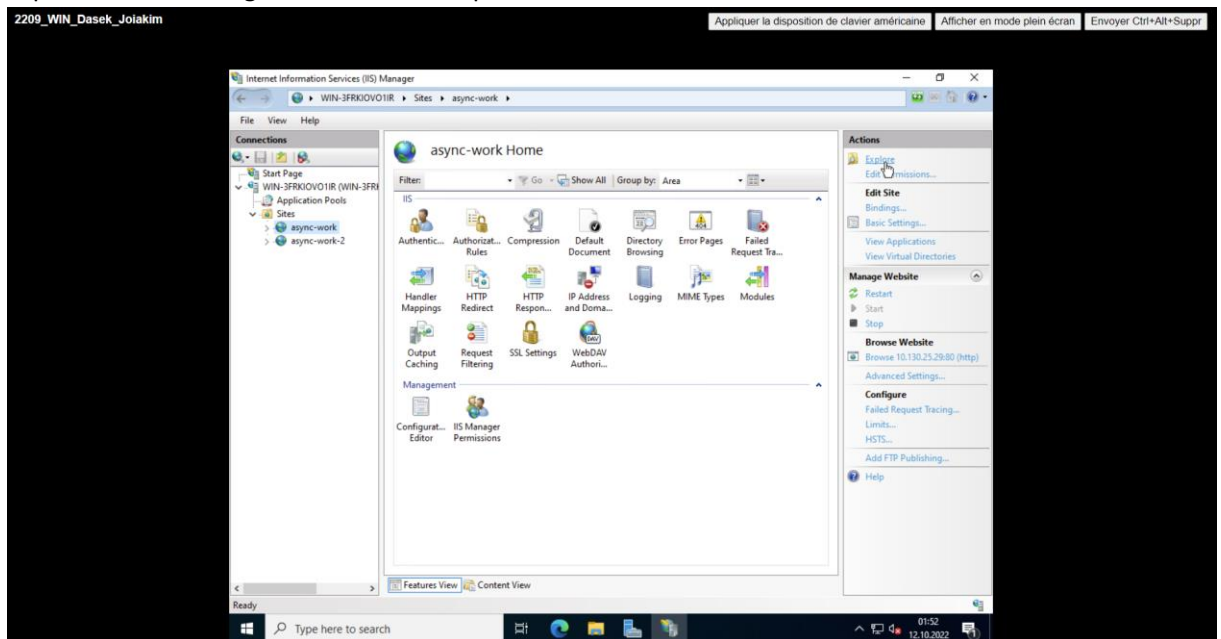

4. So let's create a file named index.html and insert the HTML code below, to give some precision, the "meta" tag allows to define the encoding of the HTML document and thus the interpretation of the browser, useful for special characters. UTF-8 is widely used in the world.
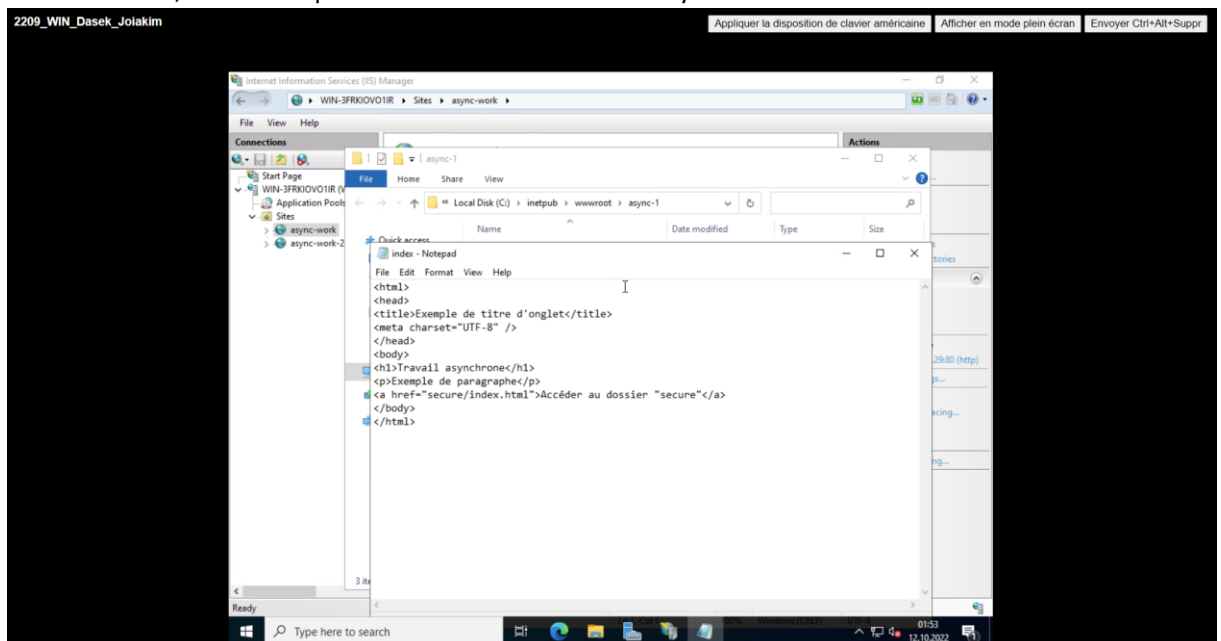
5. We will define the default file that should be loaded if the URL does not contain the strict route to the file. For example, we want the default "index.html" to load if we enter the link "127.0.0.1:80/" instead of the strict "127.0.0.1:80/index.html". You can move the index.html up the priority list or simply delete everything else.
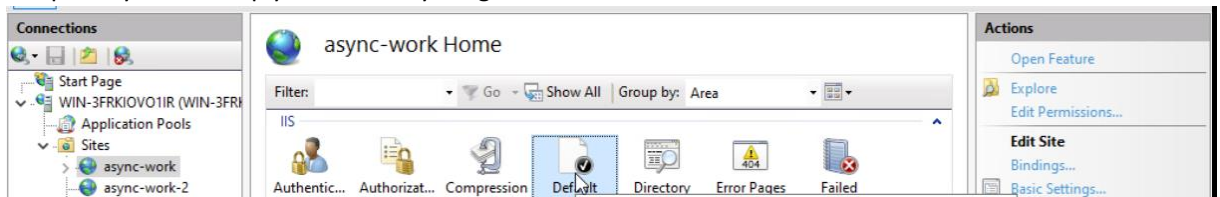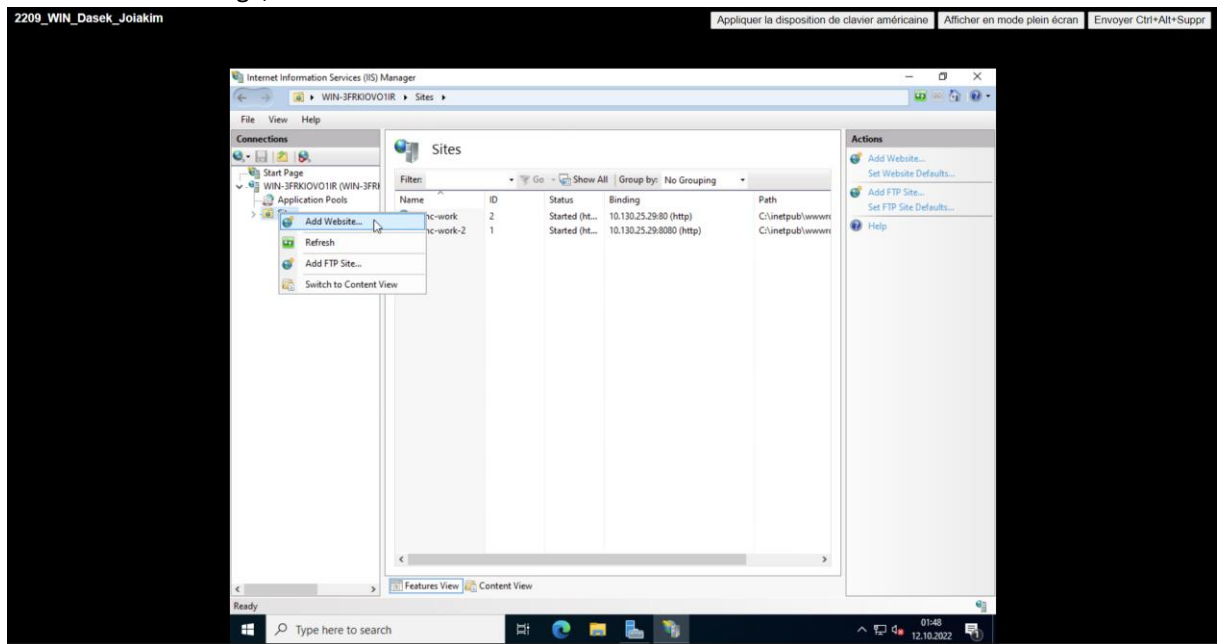

6. This is what it looks like:
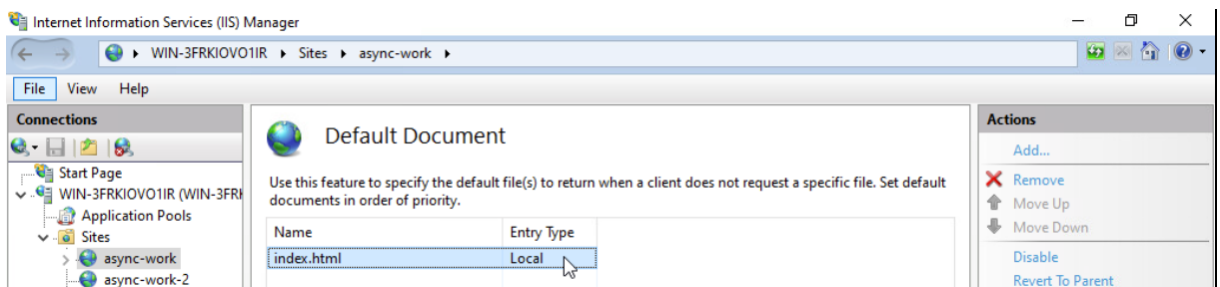
7. We can go to the browser and enter the IP address of the website and there we are on the index.html page, we are not obliged to specify port 80 but if it is another port you must specify.
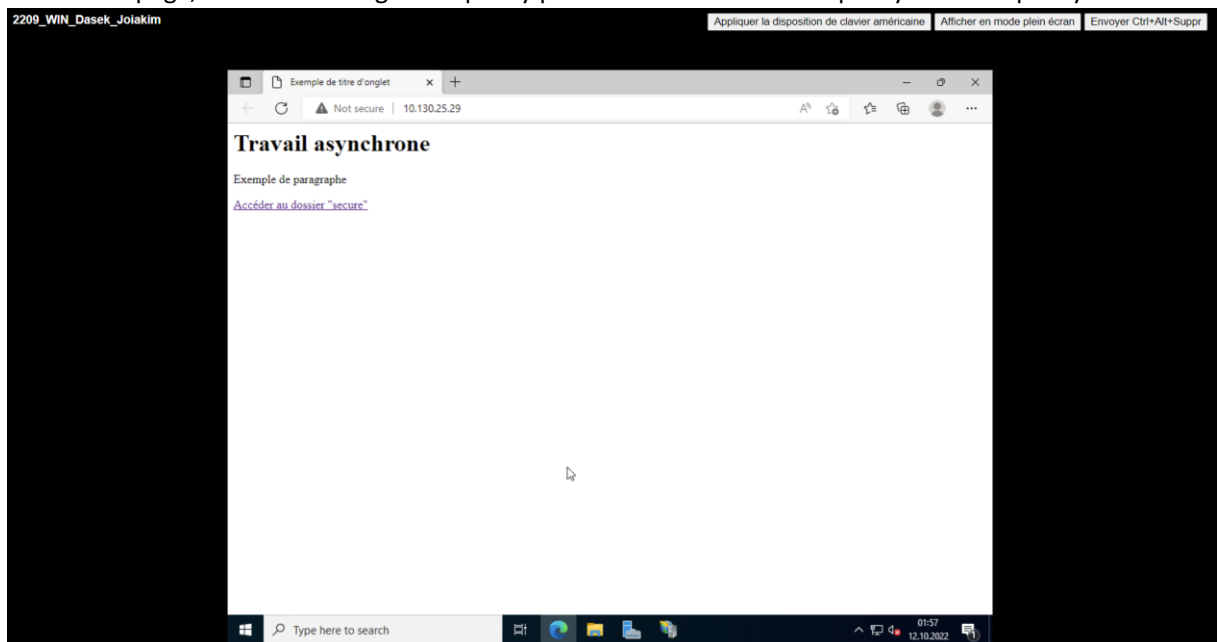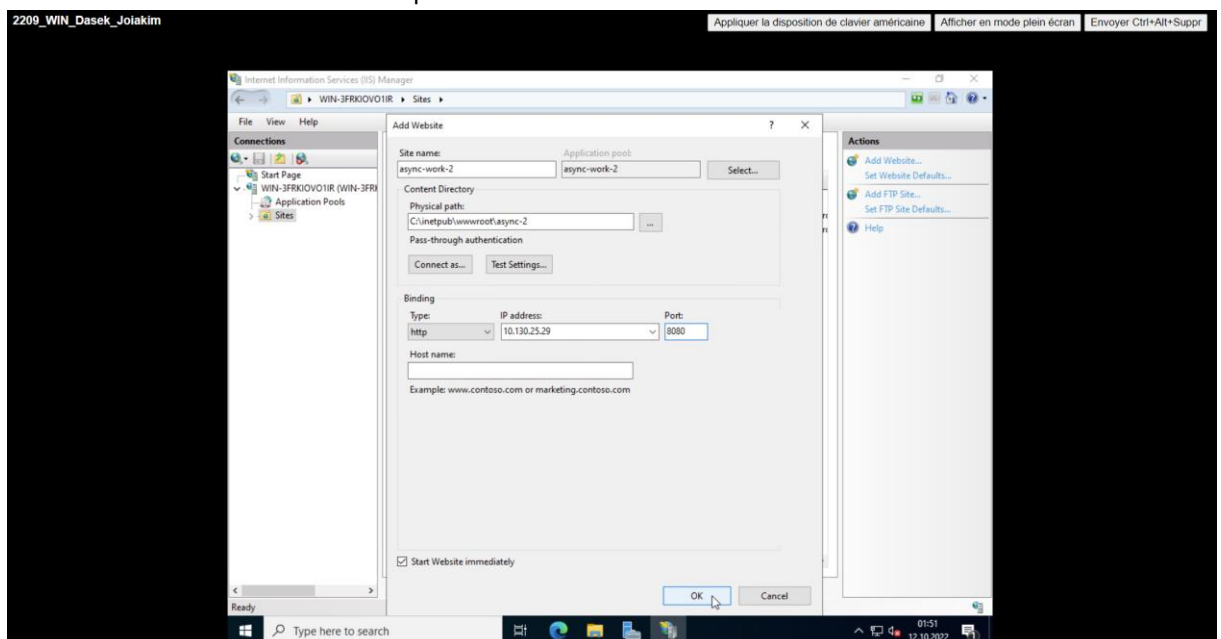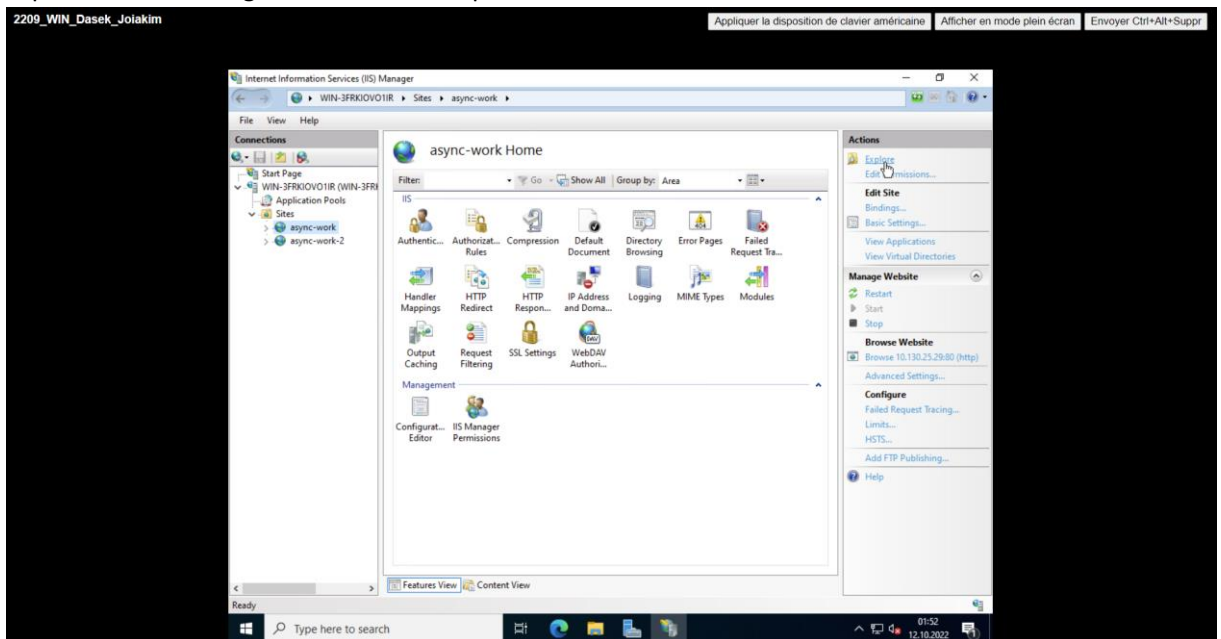
Create a site on :8080

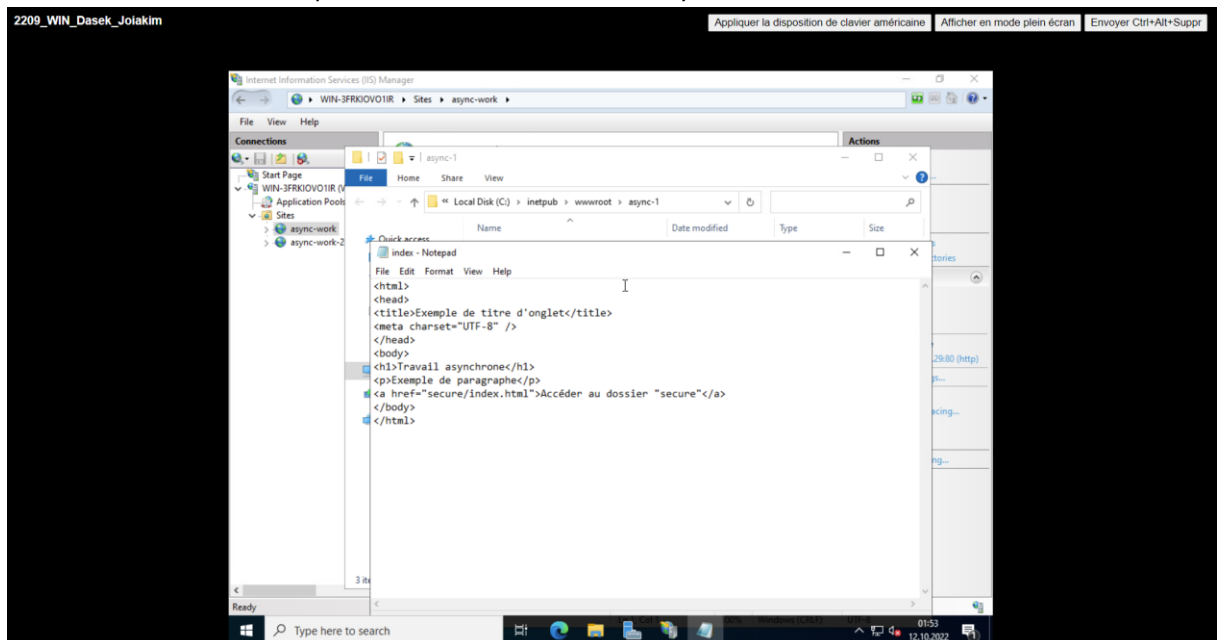1. As shown in the image, we can add a new website.

2. On the picture we see several elements. The name of the site will be as you wish, please respect the writing standards. For the Content Directory you can use the default IIS path, "C:\intepub\wwwroot" and in this directory you can create a new root folder for your site with any name you wish. As requested, we will use port 8080 for this site and the IP address of the machine which is defined in the drop-down list.
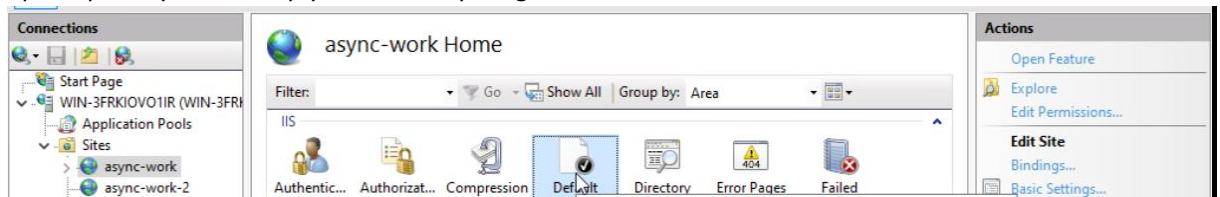
3. Now we need to create an HTML document in the root of our directory. Then we can press Explore as in the image below. This will open the root folder of the site and we can continue.
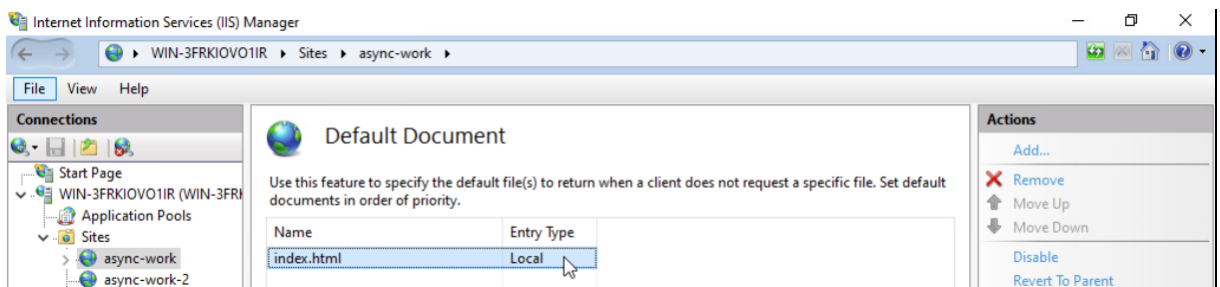

4. So let's create a file named index.html and insert the HTML code below and change the content of the title tage, the paragraph tag and some others contents as you wish. To give some precision, the "meta" tag allows to define the encoding of the HTML document and thus the interpretation of the browser, useful for special characters. UTF-8 is widely used in the world.

5. We will define the default file that should be loaded if the URL does not contain the strict route to the file. For example, we want the default "index.html" to load if we enter the link "127.0.0.1:8080/" instead of the strict "127.0.0.1:8080/index.html". You can move the index.html up the priority list or simply delete everything else.

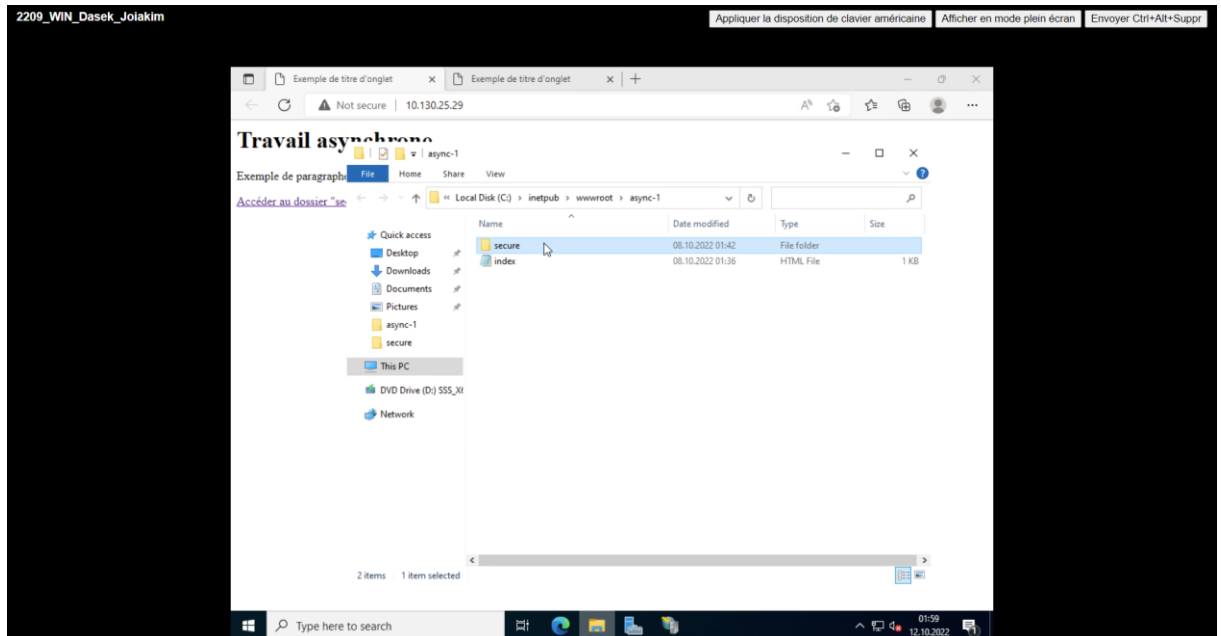6. This is what it looks like:

7. We can go to the browser and enter the IP address of the website and there we are on the index.html page, we have to specify port 8080.
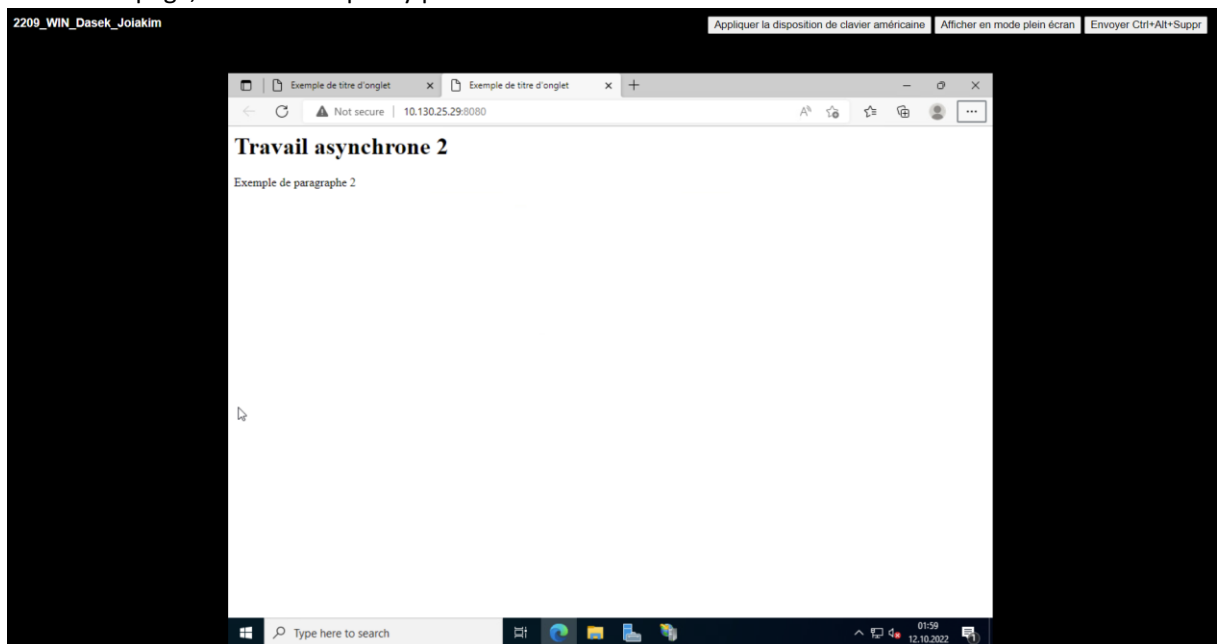
Authenticated access (optional)

1. Now we can create a secure folder. To do this, we open the root folder of the first site and name it "secure".


2. Et nous pouvons répéter l'étape vu avant afin de créer un fichier index.html dans ce même dossier. So let's create a file named index.html and insert the HTML code below and change the content of the title tage, the paragraph tag and some others contents as you wish. To give some precision, the "meta" tag allows to define the encoding of the HTML document and thus the interpretation of the browser, useful for special characters. UTF-8 is widely used in the world.
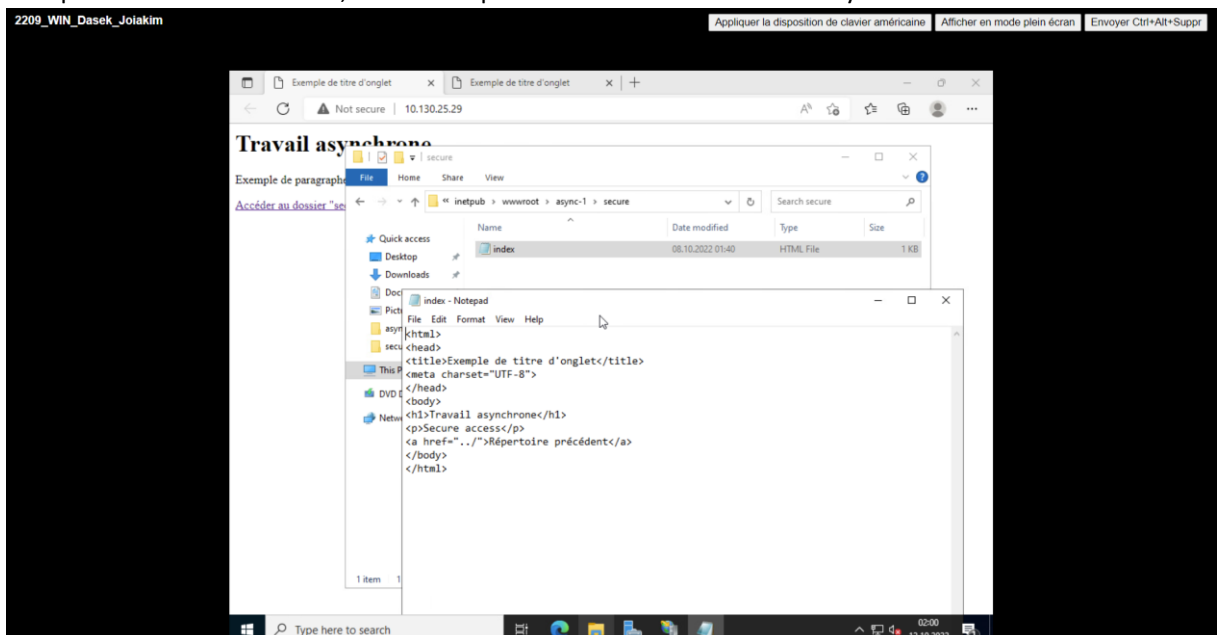
3. We will define the default file that should be loaded if the URL does not contain the strict route to the file. For example, we want the default "index.html" to load if we enter the link "127.0.0.1:8080/" instead of the strict "127.0.0.1:8080/index.html". You can move the index.html up the priority list or simply delete everything else. That is what it looks like :
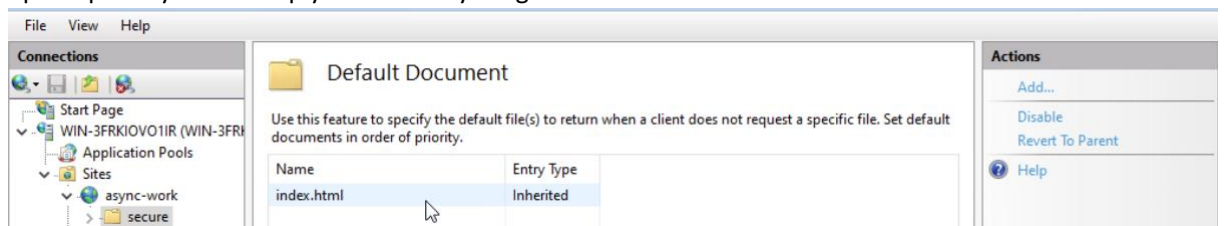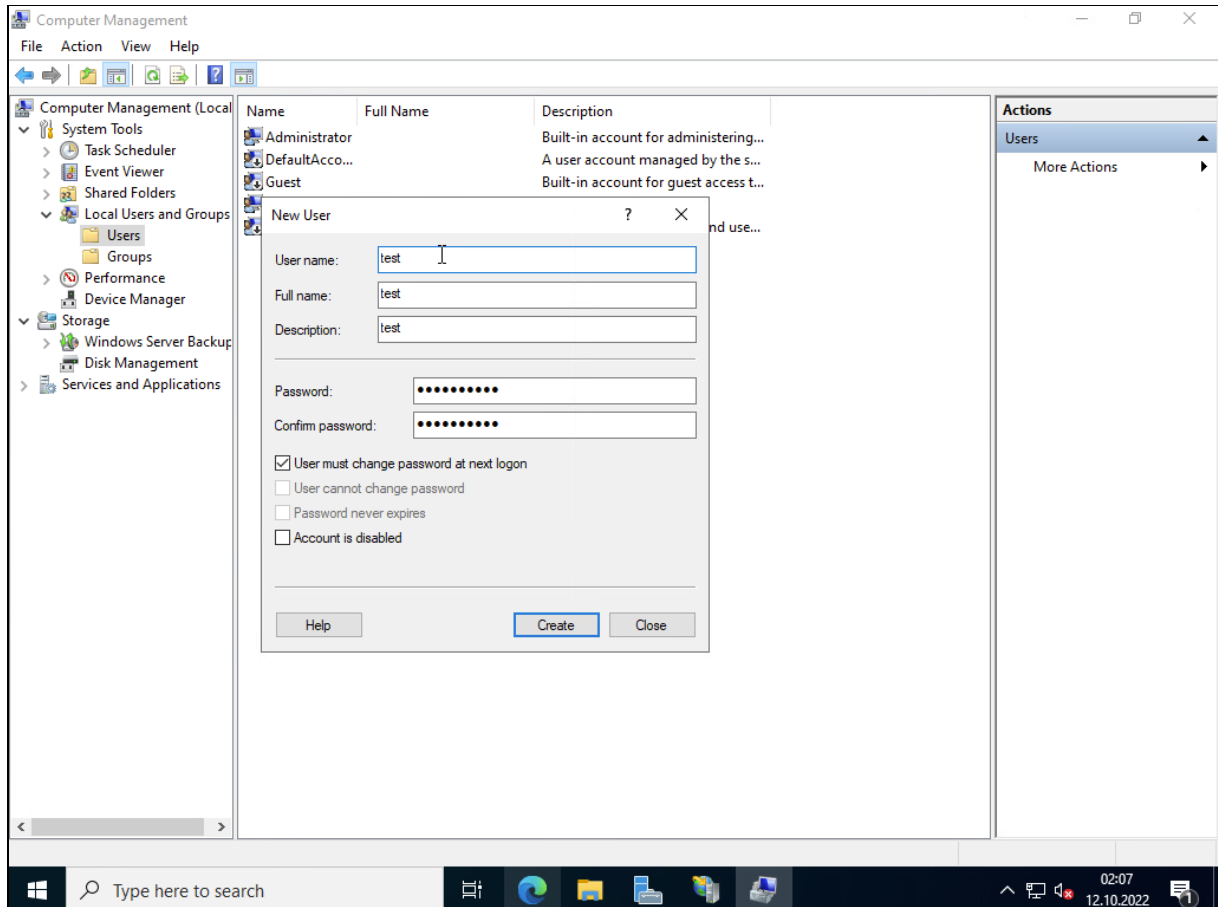

4. Next, we will protect the folder with a username and password. To do this, we will add a new user on the Windows Server. We go to the windows search bar and enter "Computer Management".
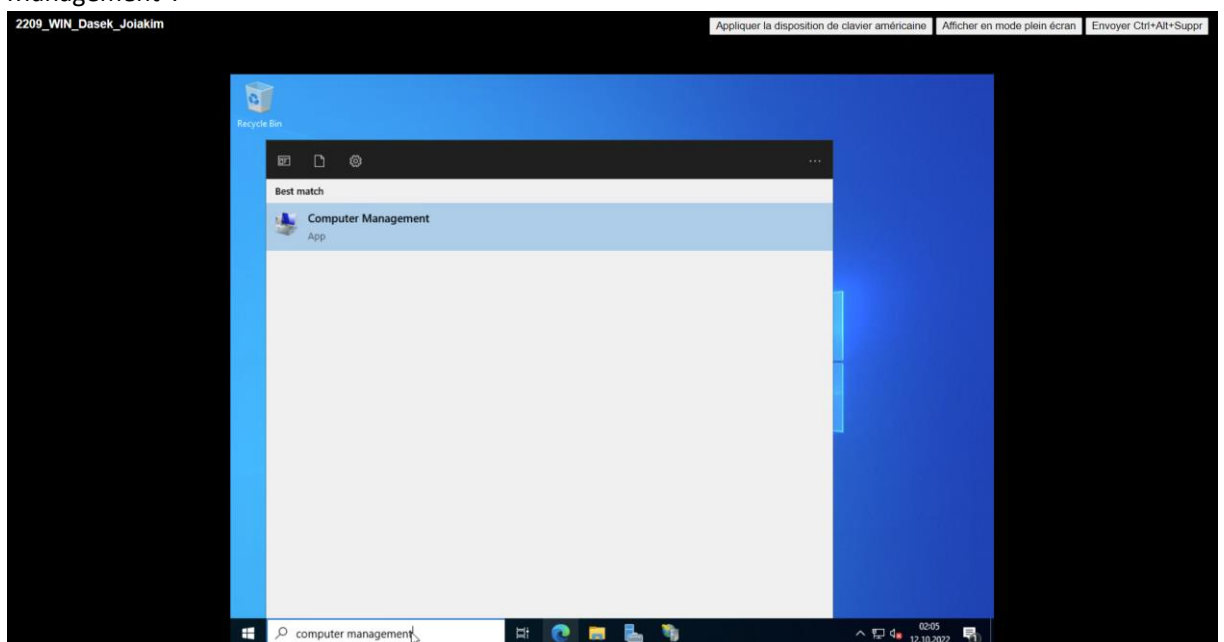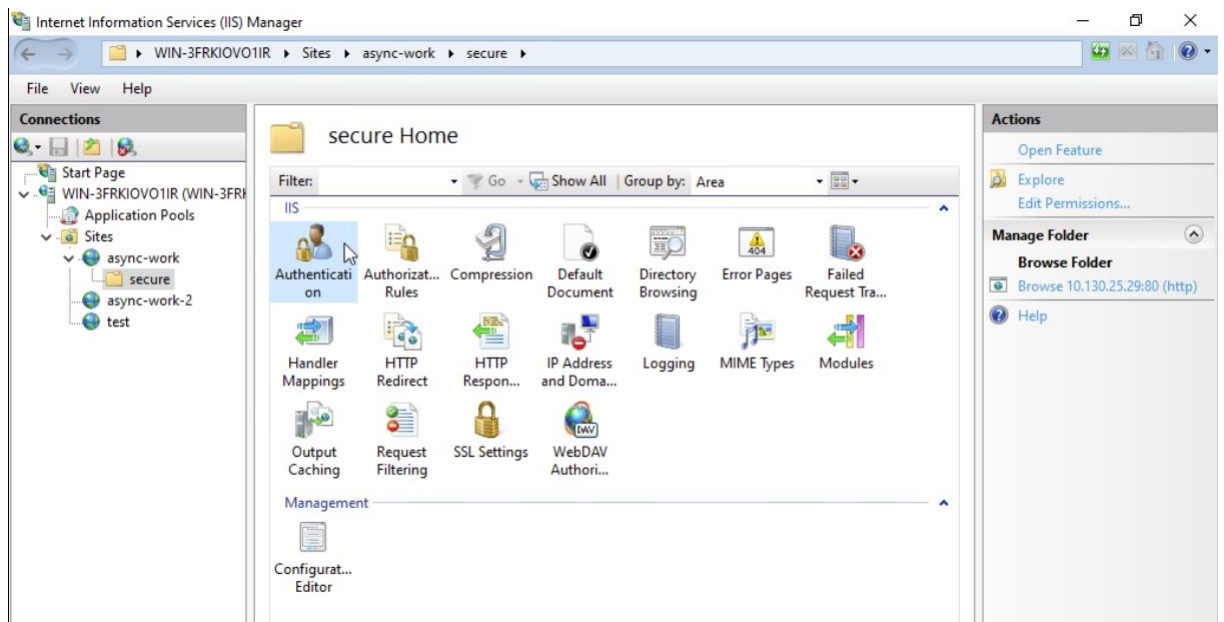

5. We open the tree structure to right-click on the "Users" folder and finally "New User...".
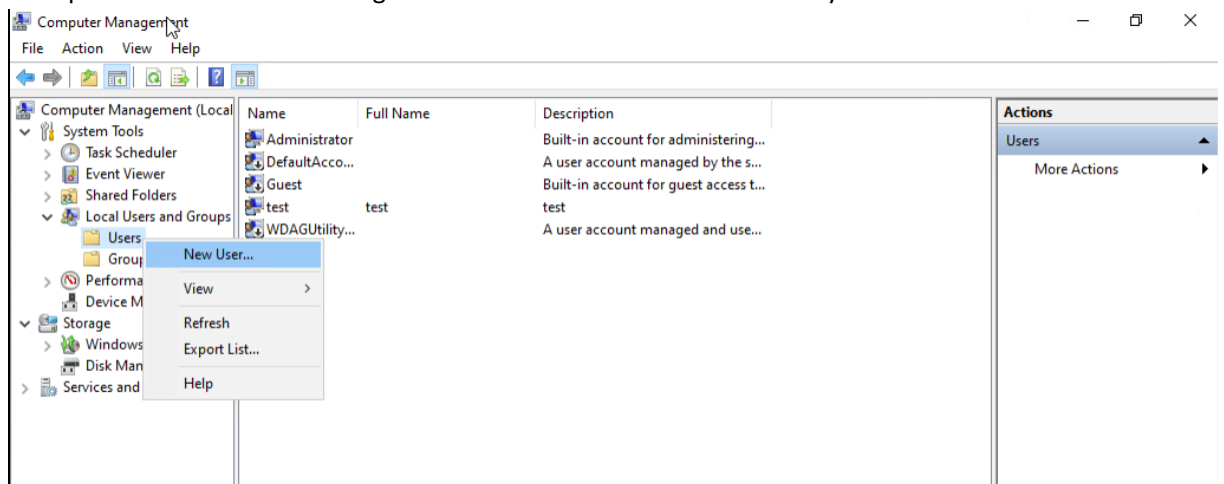
6. We fill in the form and pressing "Create", the user is well added to Windows.

7. We need to enter the feature interface of the secure folder, so we need to click the secure folder as below.

8. Then we enter the "Authentication" feature to apply it to the secure folder. First, we need to disable "Anonymous Authentication" to cancel anonymous client permission and enable "Basic Authentication". Your "secure" folder is now secure!
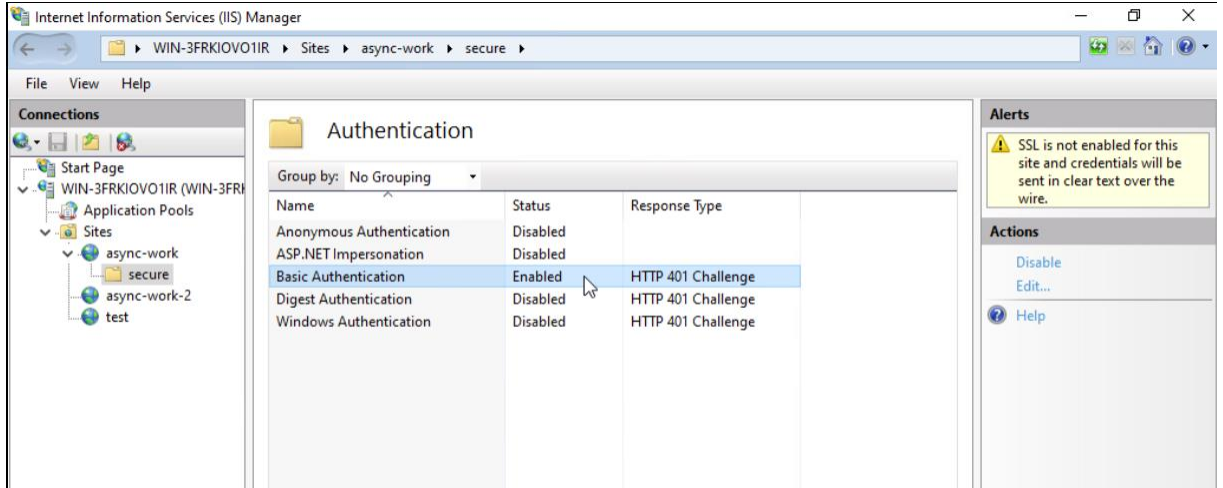
9. Go to your browser and enter the IP address of your site as well as its port and add the route associated with the "secure" folder as below in the URL bar. Then you enter the username created previously and its associated password.
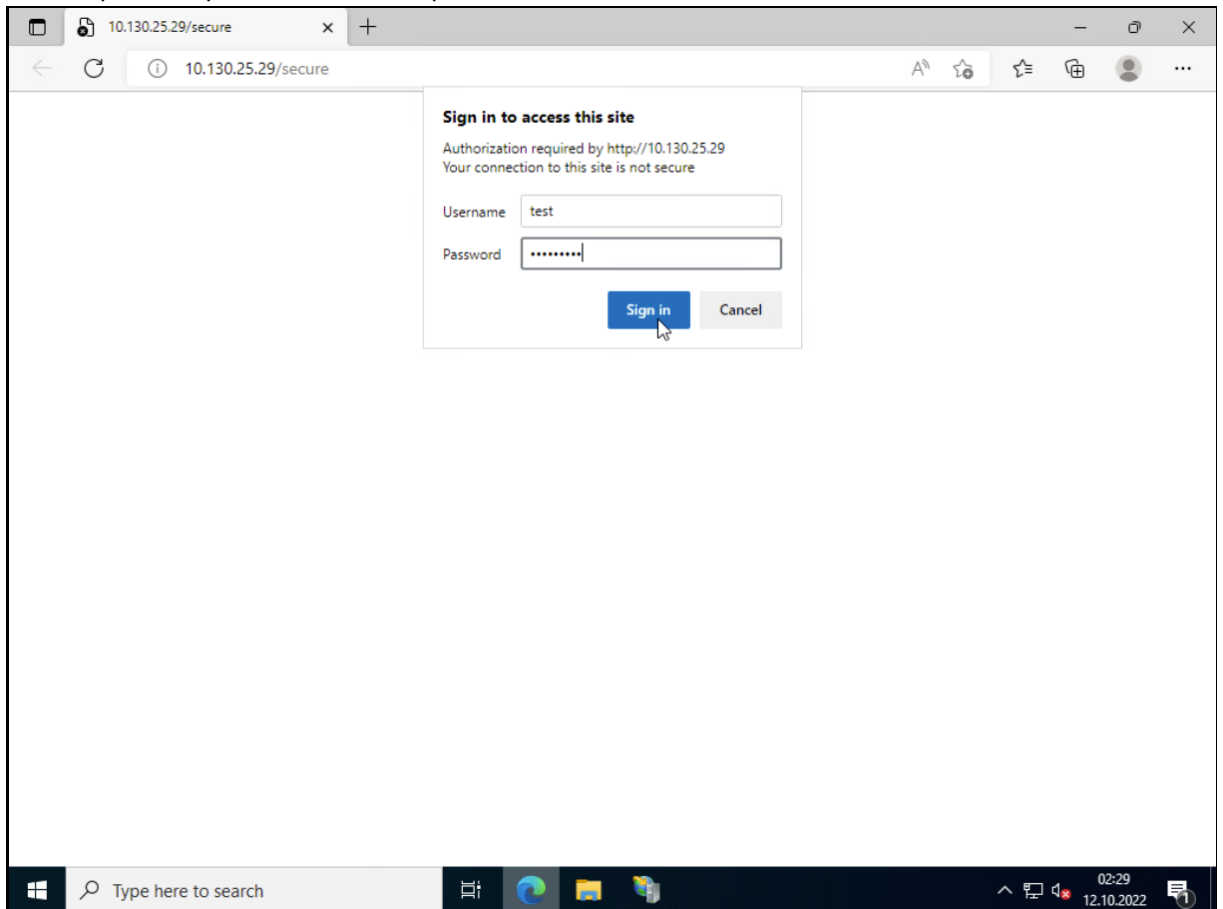
10. You have successfully set up a secure folder on your website.