You wil learn

Install Flask Python on
Windows Server and use ssl
on it

Auther : ASH
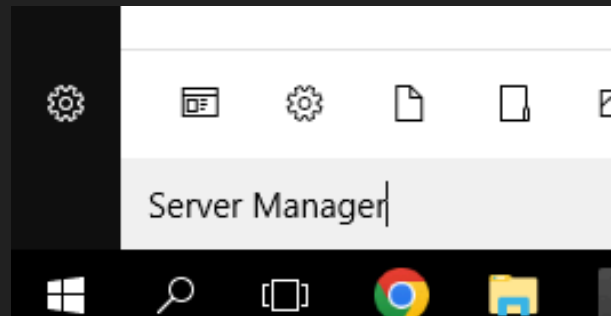Contact : https://t.me/WW0BB

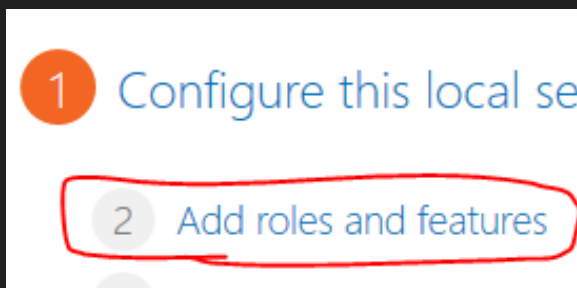# Install ISS with reqs

1-Clcik Search Input on bottom left

2-Search for "Server Manager" and click it

Server Manager

3-click on "Add Roles And Features"

1 Configure this local se

2 Add roles and features

5-click on Server Selection then click Server Roles

Add Roles and Features Wizard

Before you begin

Before You Begin
Installation Type
Server Selection
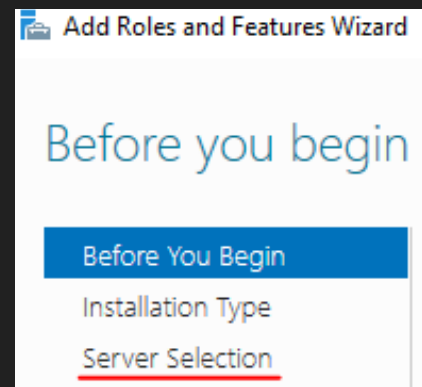
1-click Server Roles
2-click scroll down for Web Server
3-click on Add Featurres
3-click on Add Featurres

Add Roles and Features Wizard — □ ×

Select server roles

Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results

Select one or more roles to install on the selected server.

Roles

- Active Directory Federation Services
- Active Directory Lightweight Directory Services
- Active Directory Rights Management Services
- Device Health Attestation
- DHCP Server
- DNS Server
- Fax Server
- ▷ ■ File and Storage Services (1 of 12 installed)
- Host Guardian Service
- Hyper-V
- MultiPoint Services
- Network Policy and Access Services
- Print and Document Services
- Remote Access
- Remote Desktop Services
- Volume Activation Services
- Web Server (IIS)
- Windows Deployment Services

Add Roles and Features Wizard ×

Add features that are required for Web Server (IIS)?

The following tools are required to manage this feature, but do not have to be installed on the same server.

▲ Web Server (IIS)
  ▷ Management Tools

☑ Include management tools (if applicable)

Add Features   Cancel

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1-After You Click on Add Features Others Options will Show up
2-click on Role Services
3-scroll down and find select Application Development then select CGI option
4-After that click on next then install
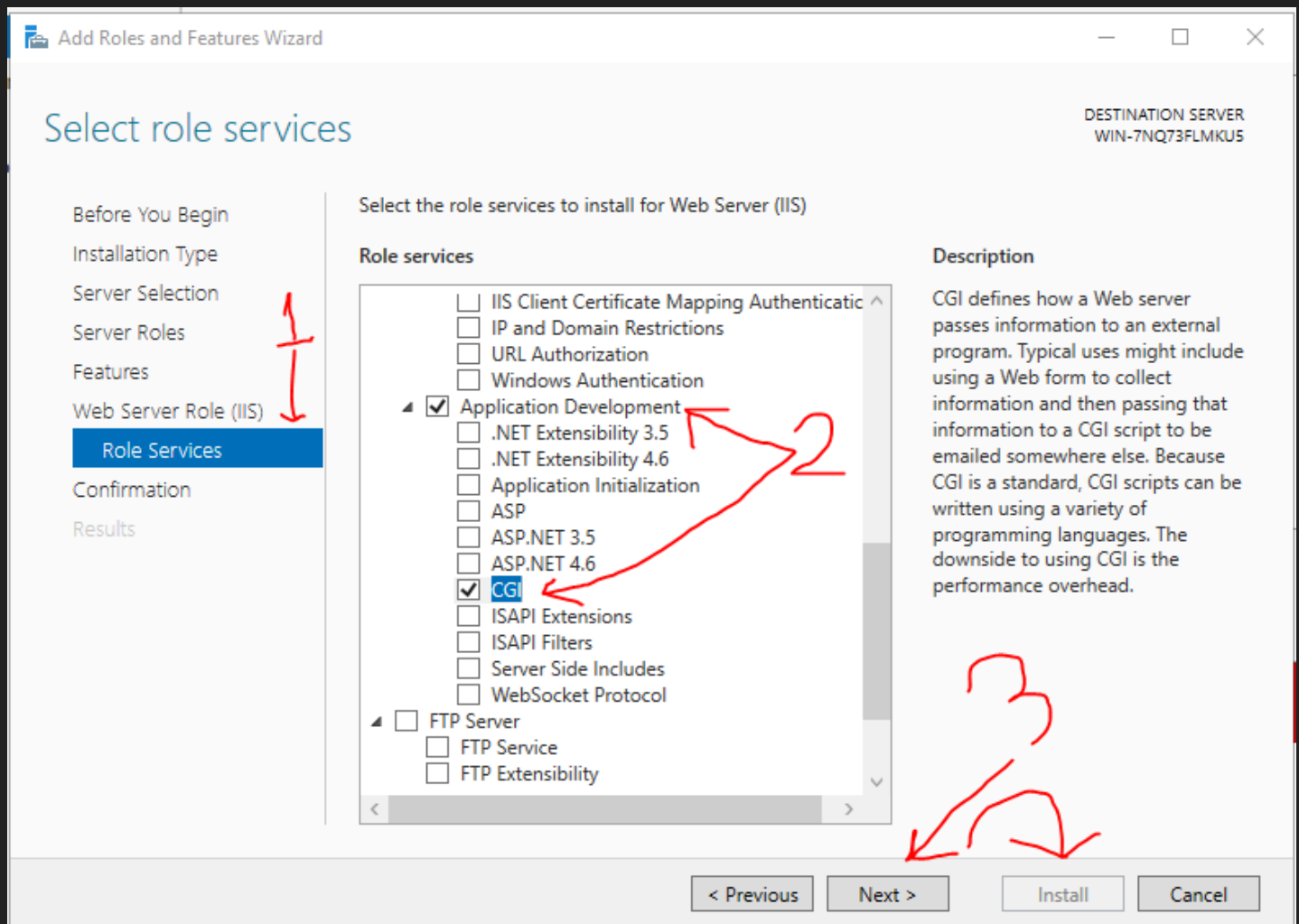
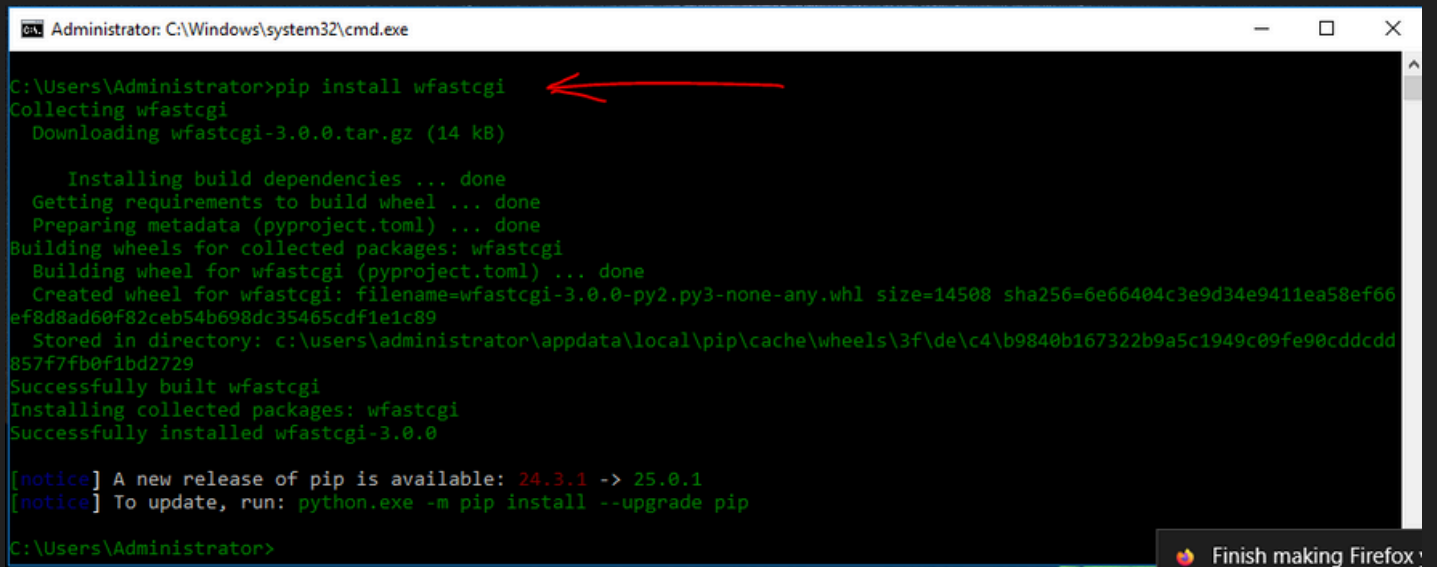
Wait untill that download bar complate then click close
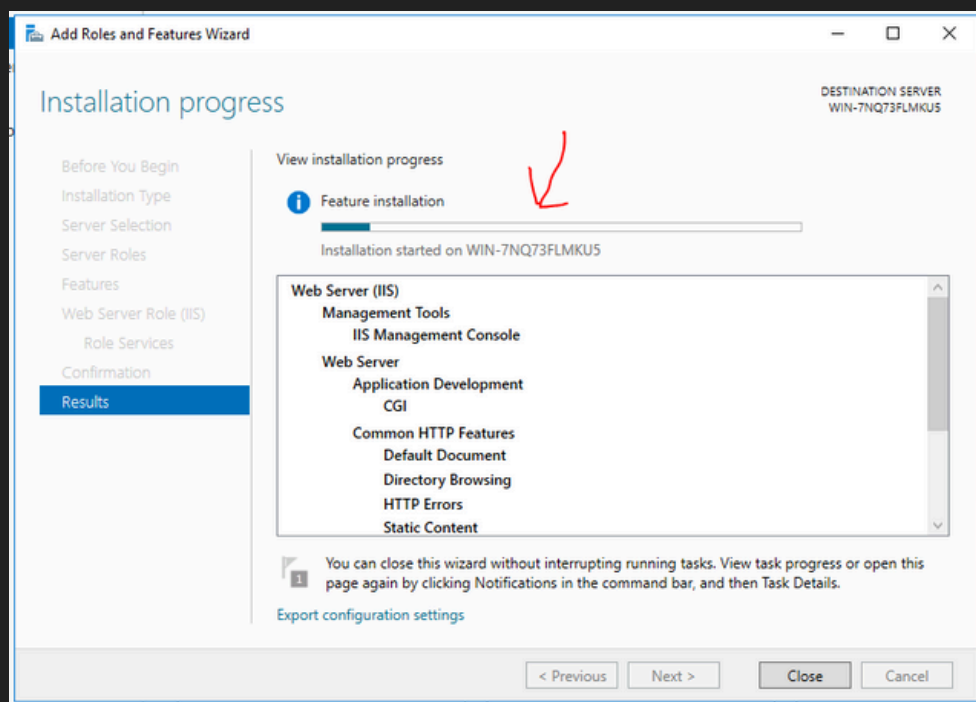
Setup Flask App On IIS

So not all we need is simple flask app wich is the one you have for the
tuttrial i will use my own flask-mini kit wic it at https://github.com/1-
ASH-1/flask-startar-mini

what you need first to do now is download wfastcgi wich is provides a
bridge between IIS and Python using WSGI and FastCGI

Open cmd or terminal and install it by
pip install wfastcgi

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We need now to open the IIS and setup our config for flask app we have

1-on your keyboard hold windows icon + R
2- type "inetmgr" and press Enter
3-after you open IIS go to Sites and Remove The defulat one
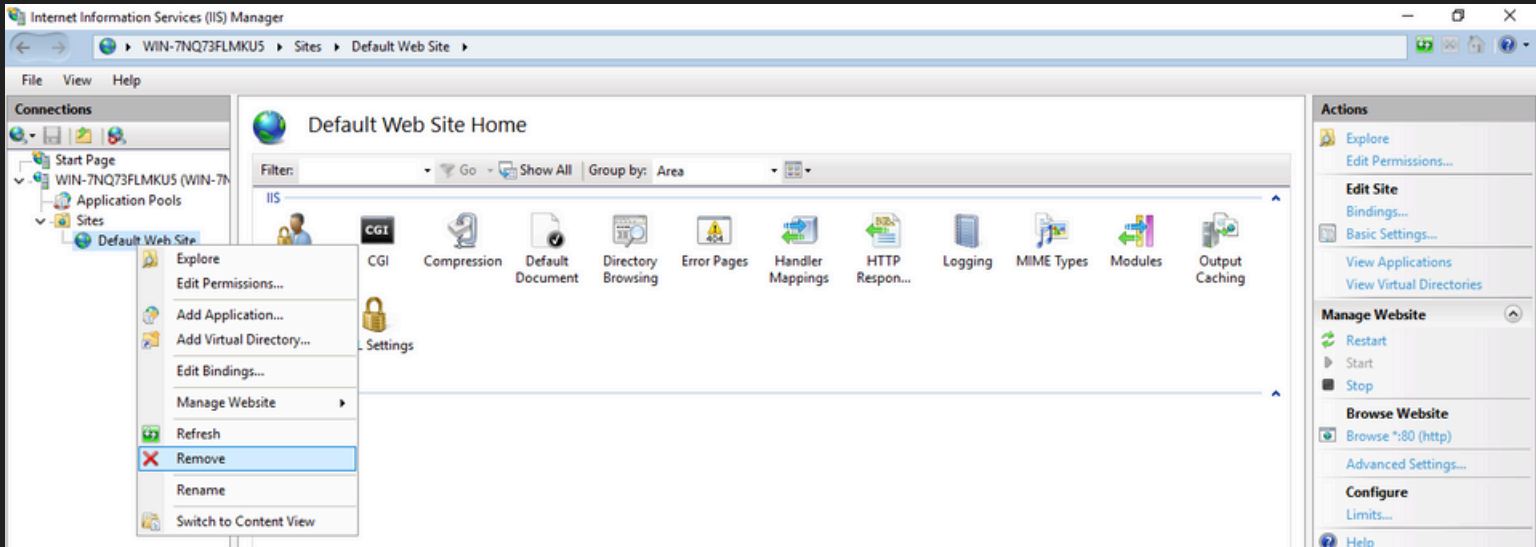
after we remove the defulat one lets setup new one for flask

1-click on Add Website on top right
2-type name for ur project site we need it later
3-select the path of the project
4-that is optinal if u want ssl so put ur domain we will cover how to get free ssl
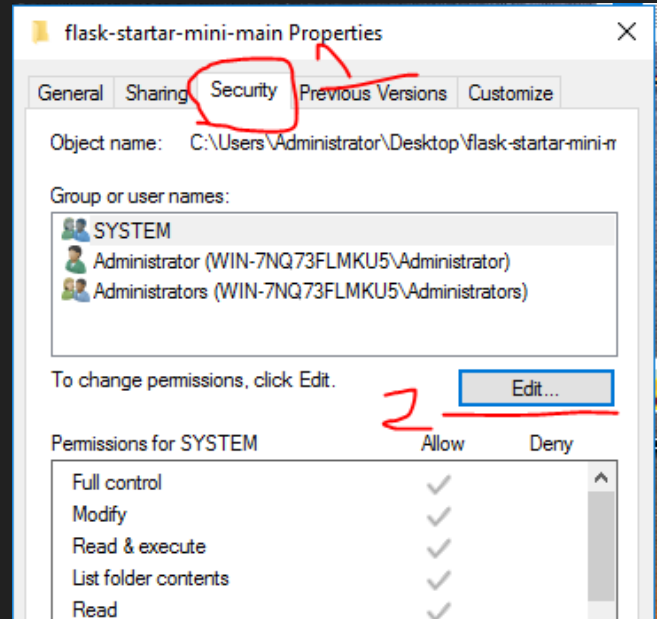

Auther : ASH
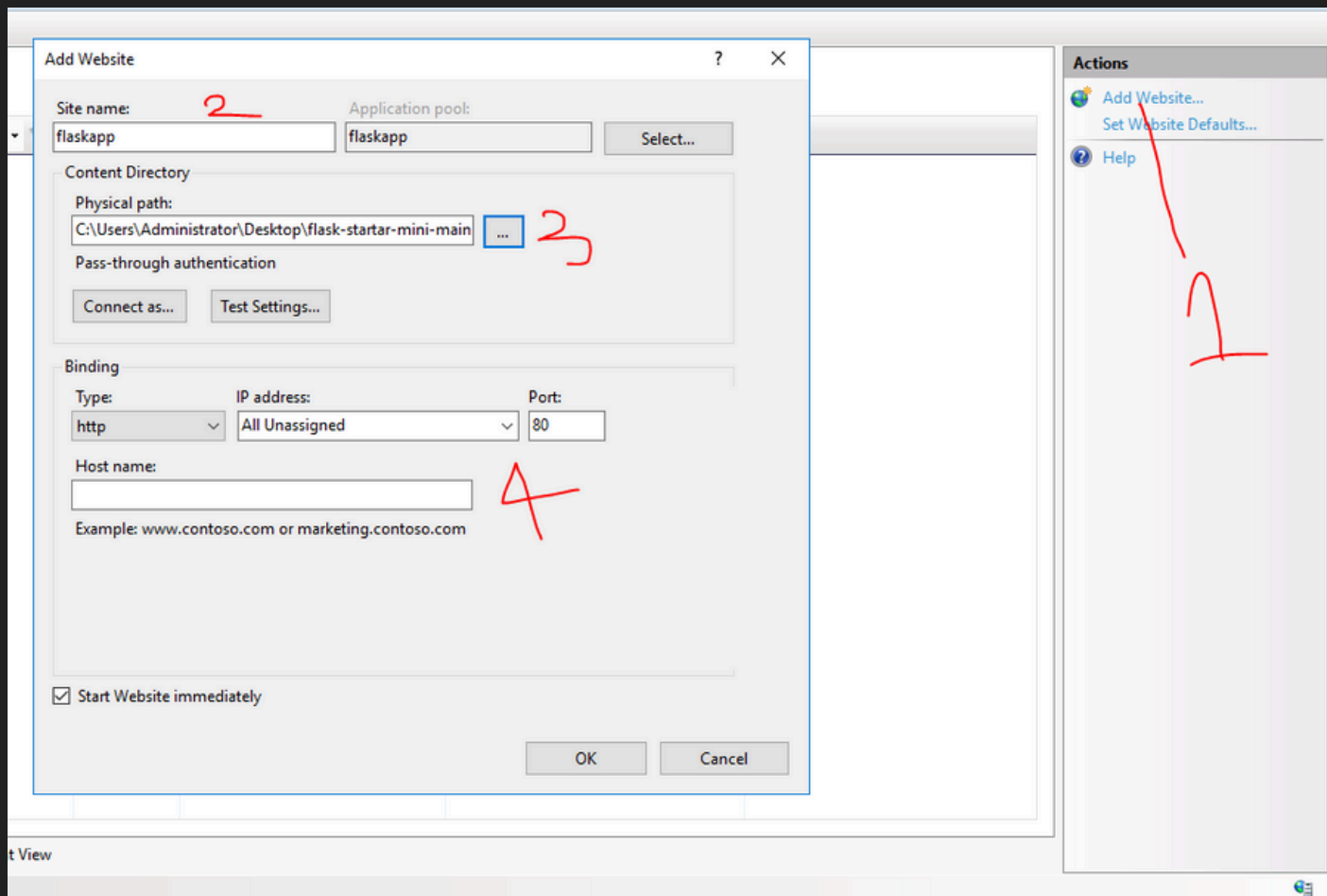
IIS requires Read and Execute permissions (e.g., IUSR, IIS_IUSRS). Without them, it may fail to load pages, causing 403 or 500 errors. so follow steps

1-right click on it then Properties
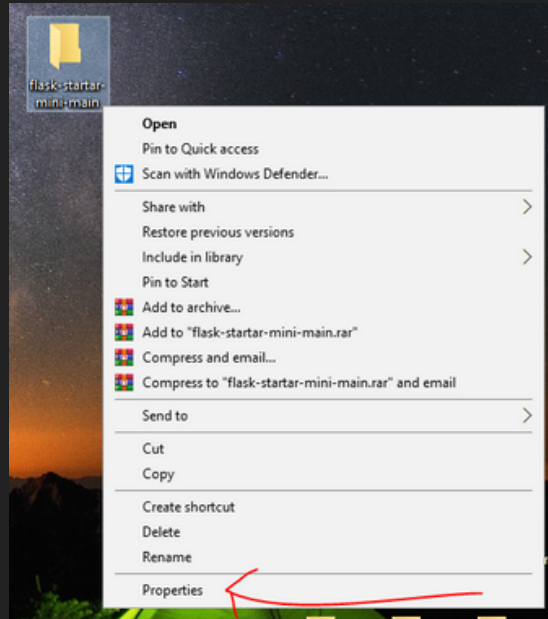
**2-click on Security then click edit**

2-after you click edit that window will show on the textarea type IIS AppPoll\<Your site name> that why i told you we need the site name so now in my case site name is flaskapp then click Check name

3-when you click check name its will check the site or group and if it is vaild its sholud be changed to only the sitename then click ok
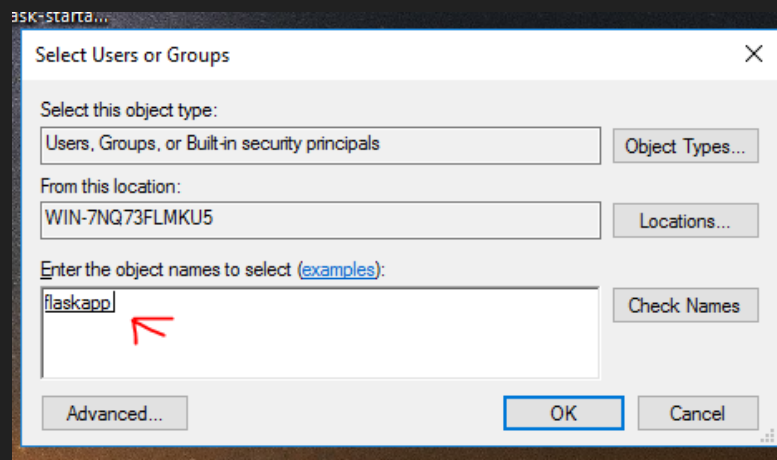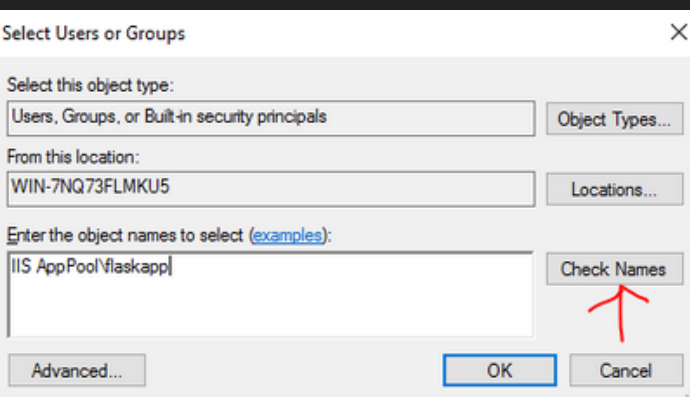
3-After you click ok now give it Full control by click first checkbox on Allow checkbox then Apply then Ok as you see on steps numbers

4-now we need do same things to python folder you will find it on

C:\Users\Username\AppData\Local\Programs\Python

Auther : ASH
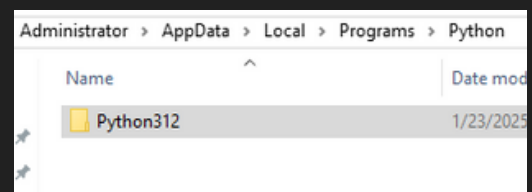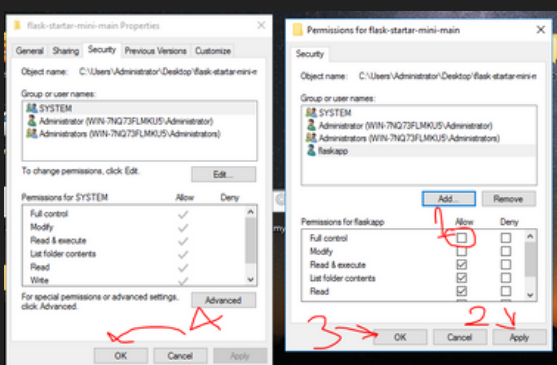
Now we will setup the wsgi for the flask project on IIS

Go the project folder and open cmd on it then type that
command wich is provided by wfastcgi

wfastcgi-enable

that command will give us two path with that format
python.exe path | wfastcgi.py

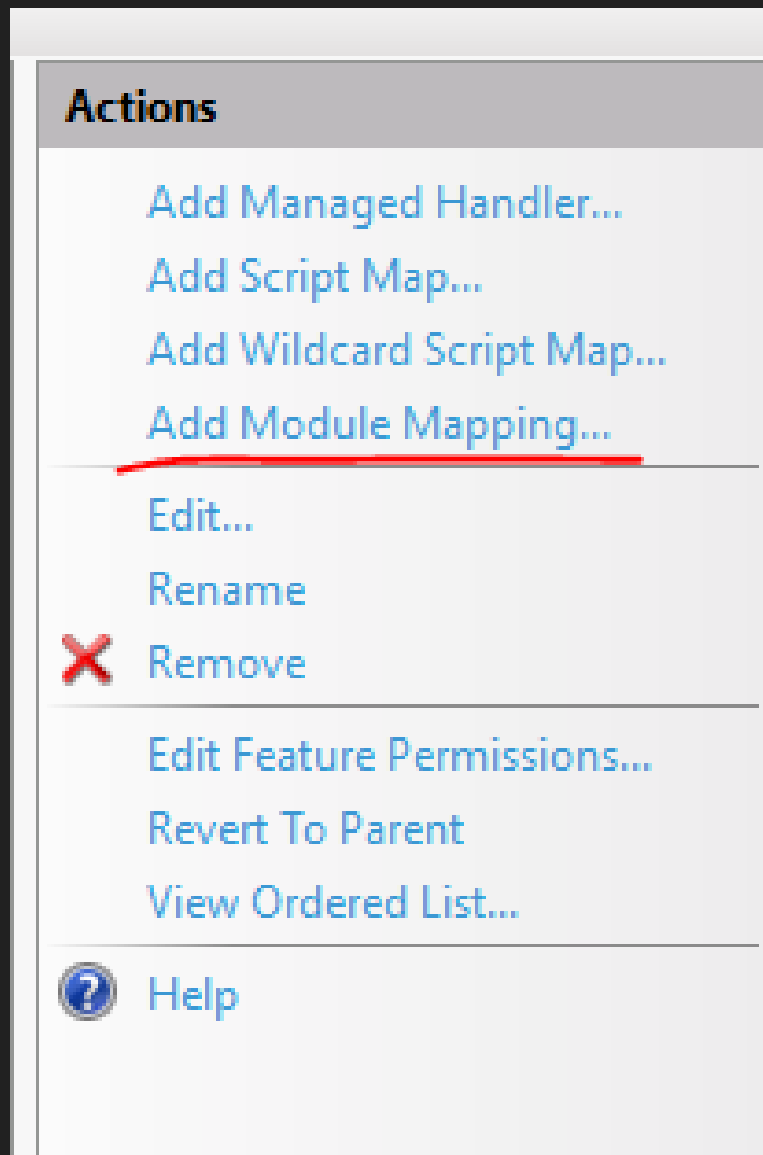wich is will be used on IIS FastCGI

The Path is As you see is gived by wfastcgi

"C:\Users\Administrator\AppData\Local\Programs\Python\Python312\python.exe|C:\Users\Administrator\AppData\Local\Programs\Python\Python312\Lib\site-packages\wfastcgi.py
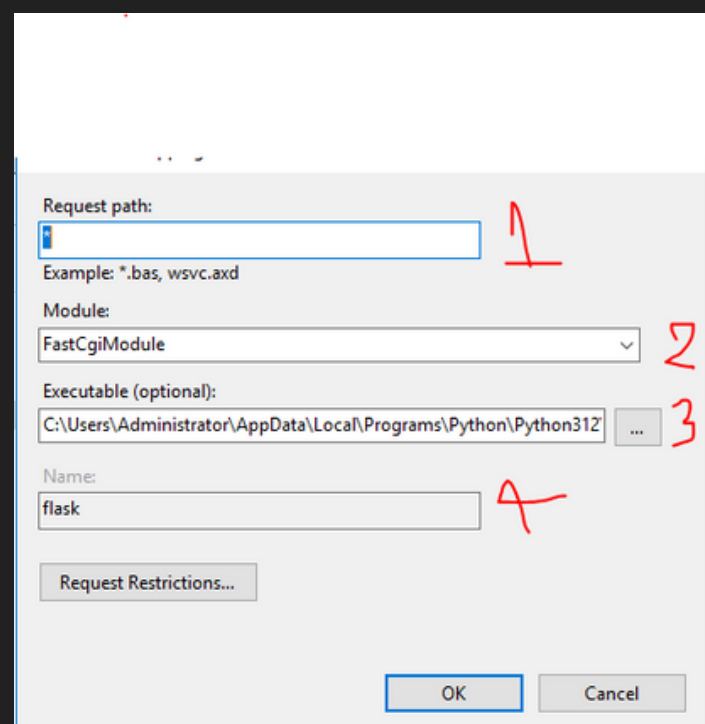
And Click on your website then click on Mapping Handler
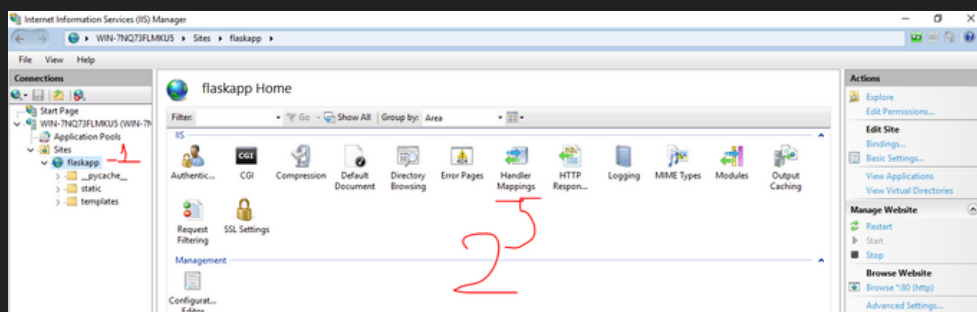
then on right top side click Add Module Mapping

Actions

Add Managed Handler...

Add Script Map...

Add Wildcard Script Map...

Add Module Mapping...

Edit...

Rename

✗ Remove

Edit Feature Permissions...

Revert To Parent

View Ordered List...

? Help

after click it the right window on image will show up

1-put *

2-select FastCgiModule
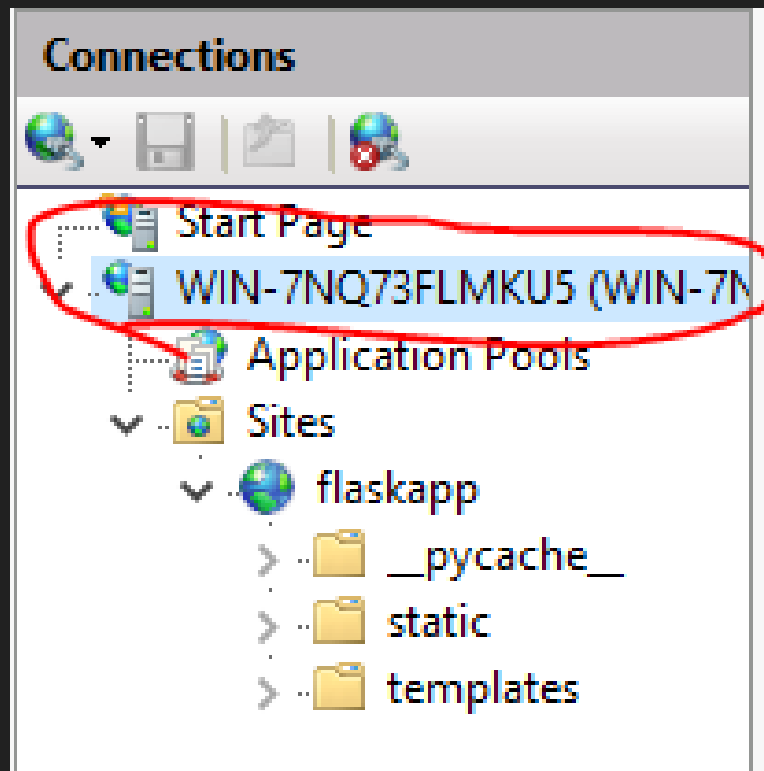
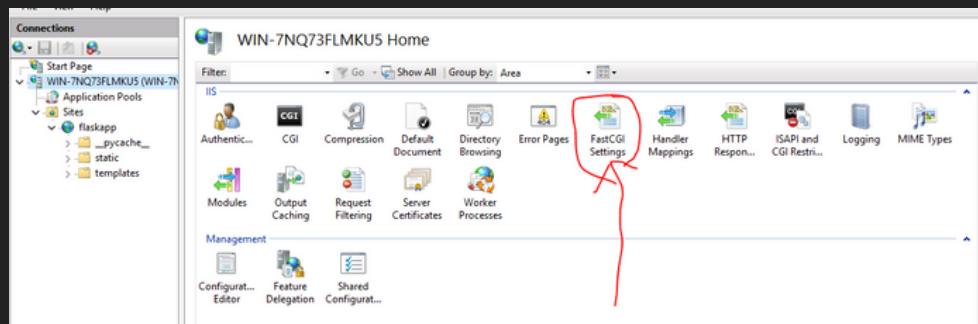3-put the path you got from wfastcgi-enable

4-any name you like

5-click on Request Restirction and
   uncheck first option then back

Request path:

*

Example: *.bas, wsvc.axd

Module:

FastCgiModule

Executable (optional):

C:\Users\Administrator\AppData\Local\Programs\Python\Python312   ...

Name:

flask

Request Restrictions...
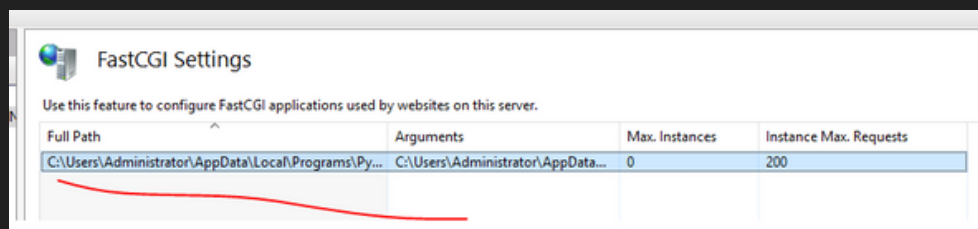
OK   Cancel

click ok

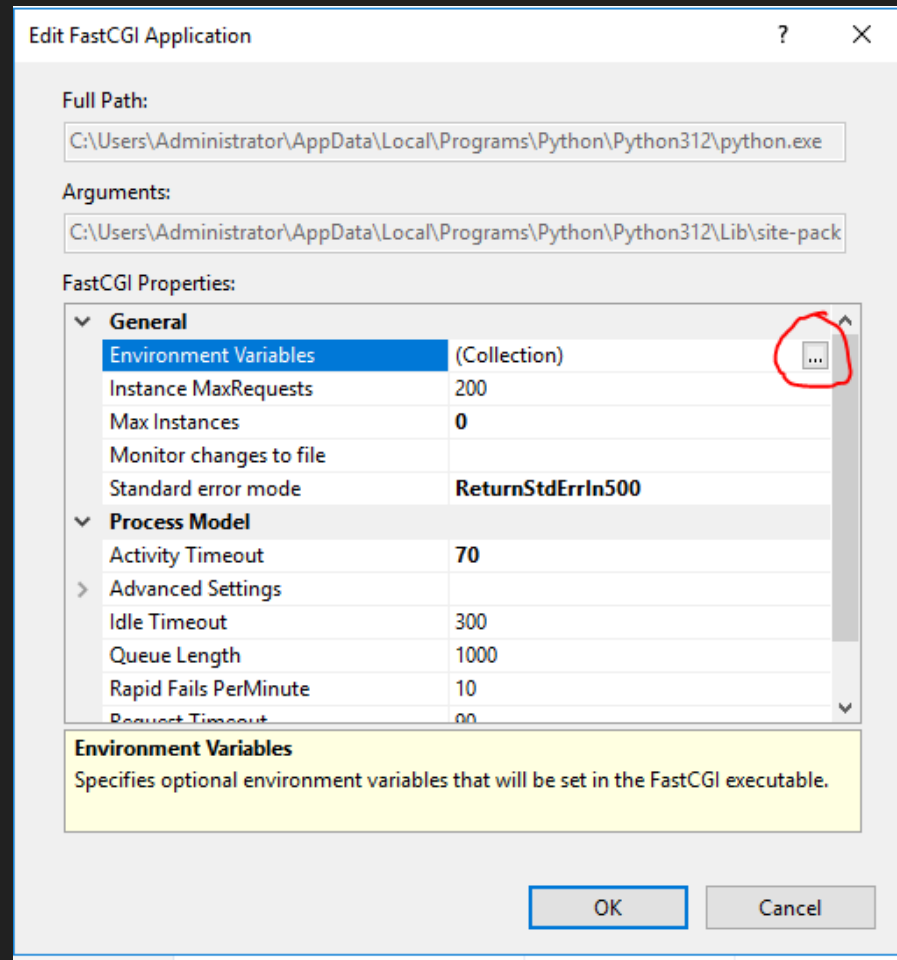Auther : ASH

now on top left click on ur pc name

Click on FastCgi Setting

click on first path

scroll up and click on three dots

now add those paths and click ok ok

Name : PATHONPATH
VALUE : your project folder path

Name : WSGI_HANDLER
VALUE : you flask app object for
example if my app object is on
main.py wich is
app=Flask(__name__)

value will bae main.app

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