1. Download and install PyCharm Community Edition. <https://www.jetbrains.com/pycharm/download/#section=windows>
2. Download and install python 2.7 – 64 bit version

<https://www.python.org/ftp/python/2.7.15/python-2.7.15.amd64.msi>

1. Clone or download source code from Github. <https://github.com/passlab/LAMBDA>
2. Download and install MySql Community Edition and Workbench.

<https://www.mysql.com/products/community/>

<https://www.mysql.com/products/workbench/>

1. Create MySql DB and User for LAMBDA

user: lambda (CREATE USER ‘lambda’@’localhost’ IDENTIGIED BY ‘lambda’)

pass: lambda

database: lambda (CREATE DATABASE lambda; USE lambda;)

install Microsoft Visual C++ 9.0: <http://aka.ms/vcpython27>

1. Setup Virtualenv Environment:

File -> Settings -> Project: Project Interpreter -> Add Python Interpreter -> Virtualenv Environment

Base interpreter: python 2.7 64 bit

Activate virtual environment and run: pip install –r requirements.txt

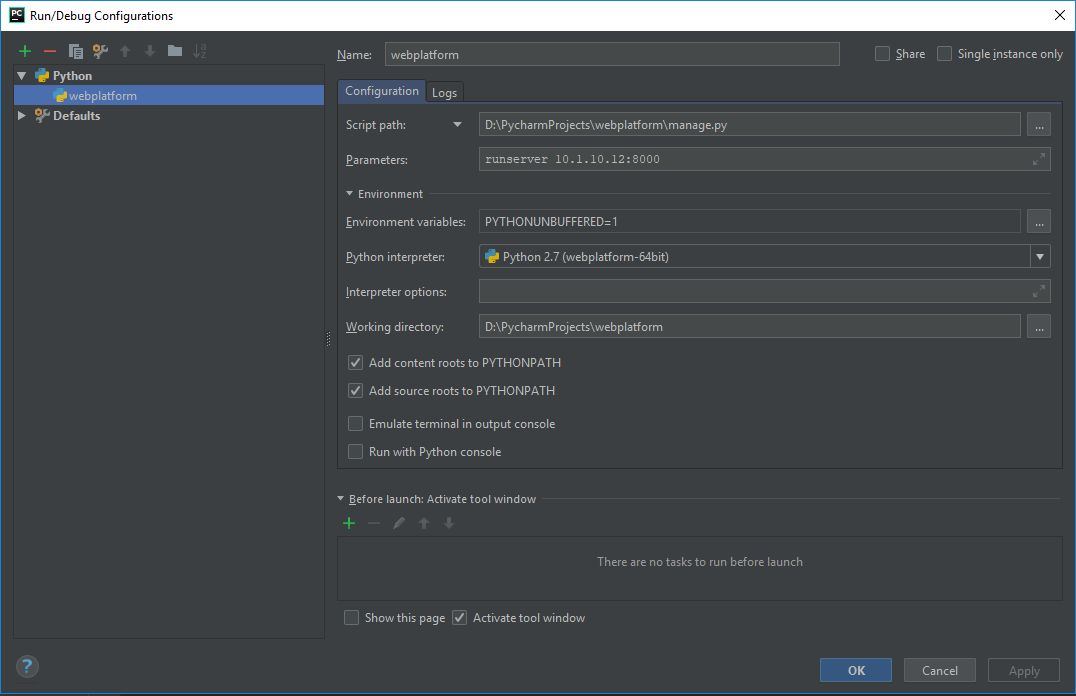
Install pyradiomics: <https://pyradiomics.readthedocs.io/en/latest/installation.html#install-via-pip>

Install mysqlclient: <https://www.lfd.uci.edu/~gohlke/pythonlibs/#mysqlclient> [mysqlclient‑1.3.13‑cp27‑cp27m‑win\_amd64.whl](javascript:;)

If the mysql version is above 8.0, change the login method of the ‘lambda’ user:

ALTER USER ‘lambda’@localhost IDENTIFIED WITH mysql\_native\_password BY ‘lambda’

1. Pycharm add configuration:



Script path: …../webplatform/manage.py

Parameter: Default is localhost:80.

Create database

In Pycharm terminal run:

python manage.py makemigrations

python manage.py migrate

Create Admin Super-User Account

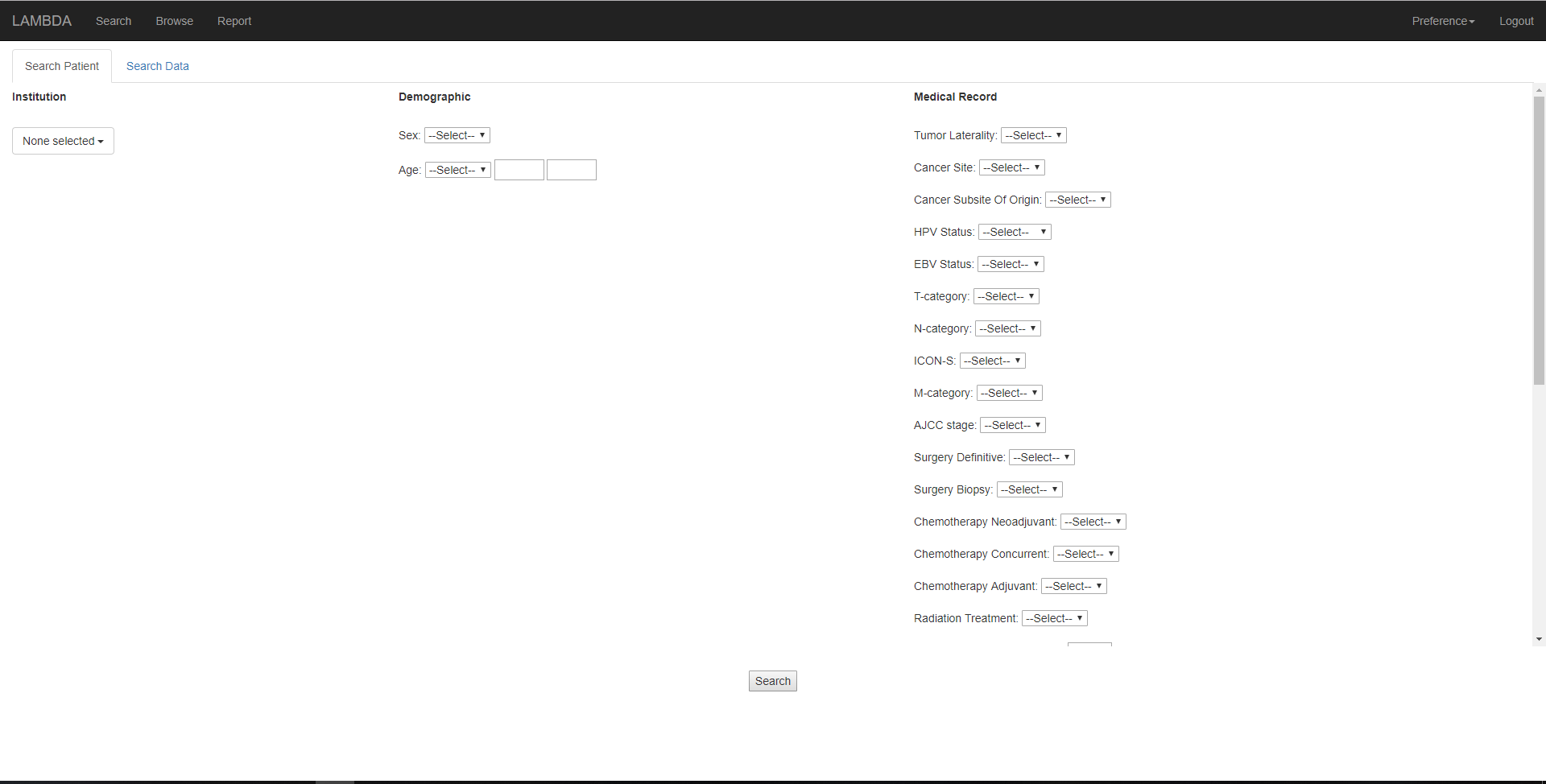
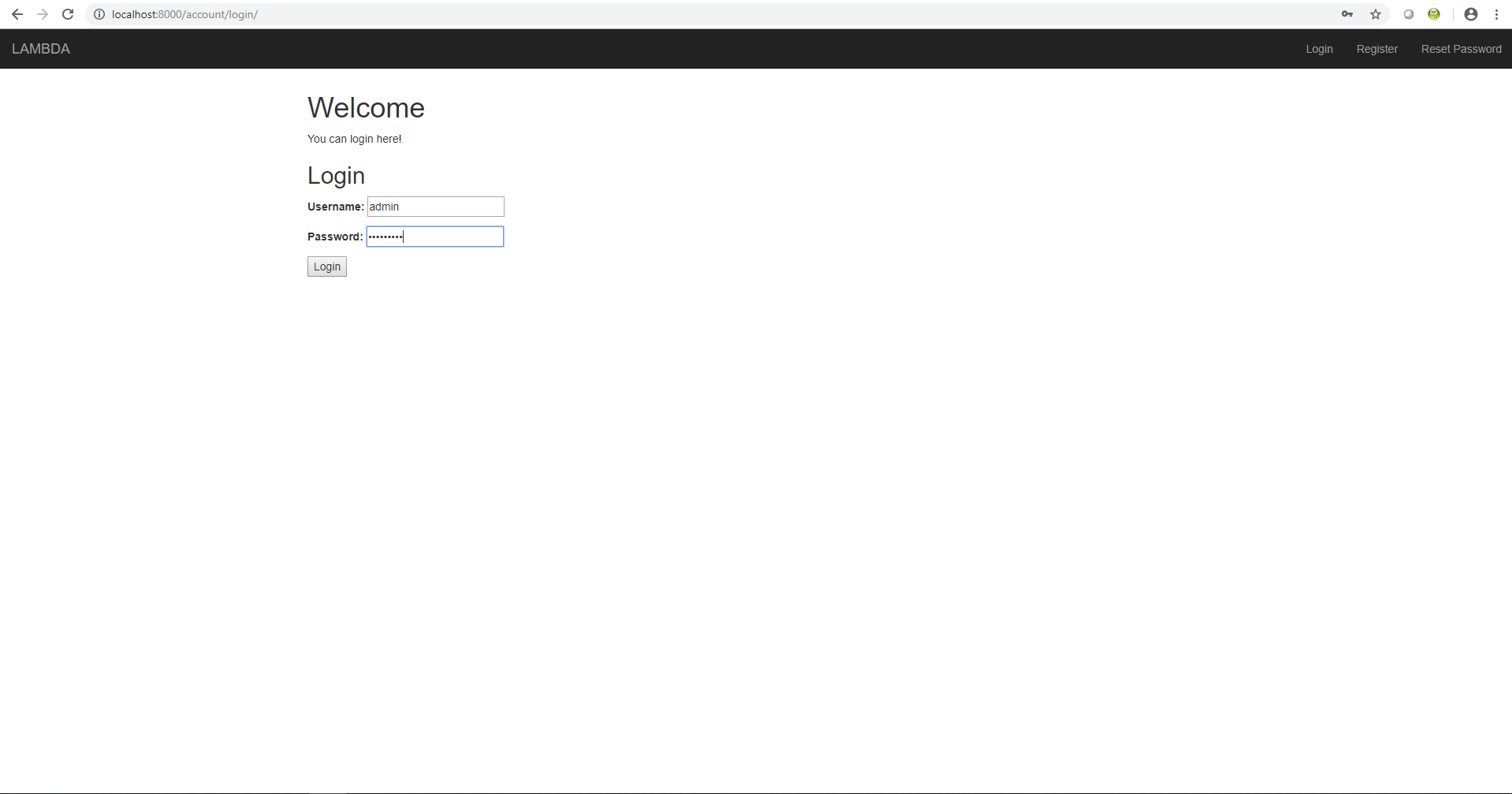
python manage.py createsuperuser

Config email account for Django Host:

In webplatform -> settings.py

EMAIL\_HOST = 'smtp.gmail.com'  
 EMAIL\_PORT = 587  
 EMAIL\_USE\_TLS = True  
 EMAIL\_HOST\_USER = xxx@xxx.com'  
 EMAIL\_HOST\_PASSWORD = '\*\*\*\*\*\*'  
 EMAIL\_USE\_TLS = True

Now, you can run server and login as Django superuser. Or sign up an new user to login.



Config raw file folder and IIS (on windows).

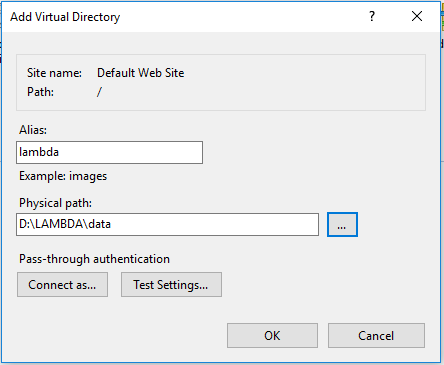
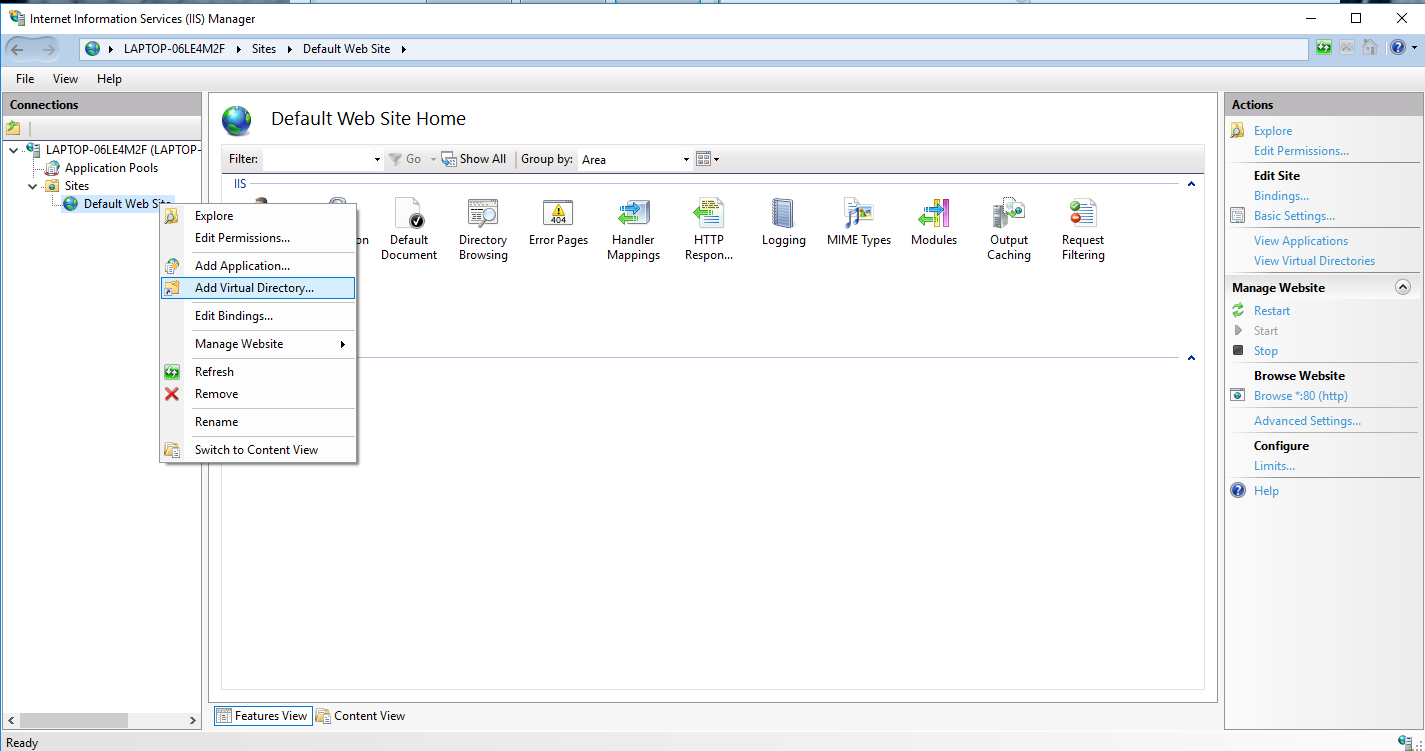
In webplatform -> settings.py

LAMBDA\_DATA\_FOLDER = r'D:/LAMBDA/data/' #select a folder for static raw file storage  
LAMBDA\_DATA\_WEB\_FOLDER = r'http://10.1.10.12/lambda/' #IIS mapping url LAMBDA\_DATA\_FOLDER -> LAMBDA\_DATA\_WEB\_FOLDER  
LAMBDA\_DATA\_WEB\_EXTERNAL\_FOLDER = r'http://50.246.53.62/lambda/' #IIS mapping external url LAMBDA\_DATA\_FOLDER -> LAMBDA\_DATA\_WEB\_FOLDER

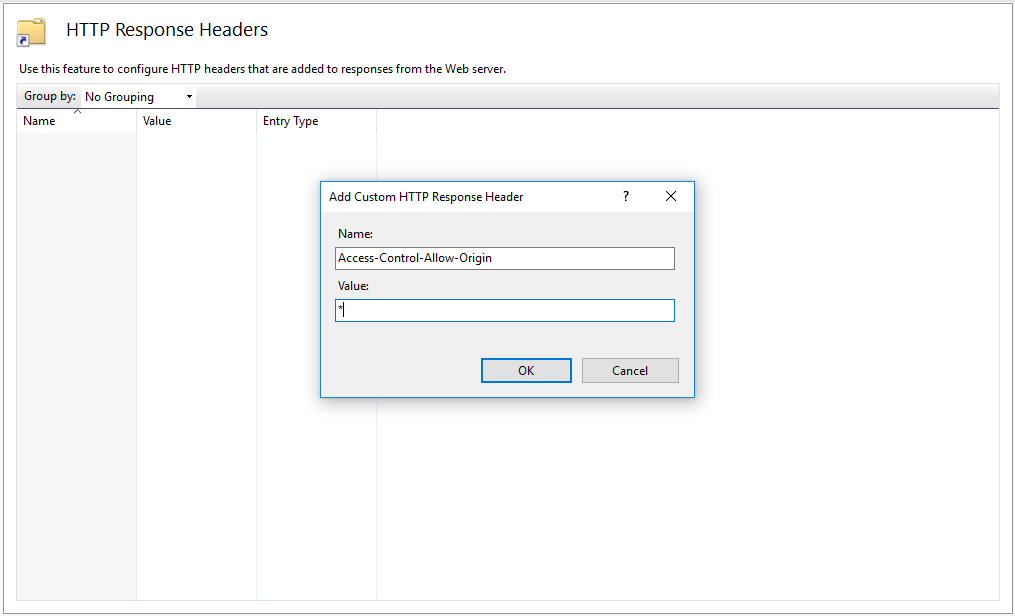
Config IIS

If IIS is not installed in windows, here is the install guide. <https://www.howtogeek.com/112455/how-to-install-iis-8-on-windows-8/>

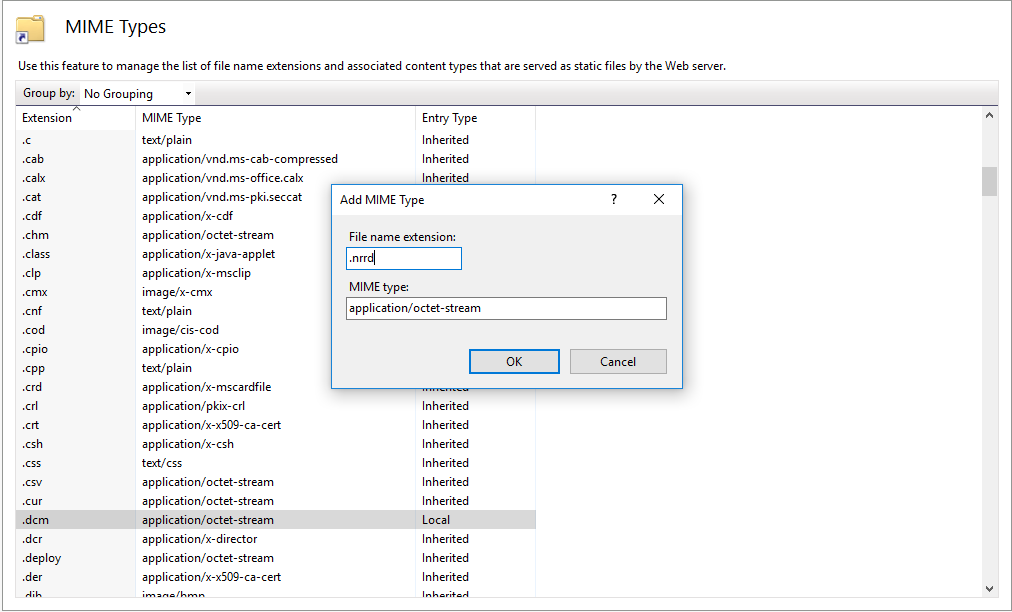
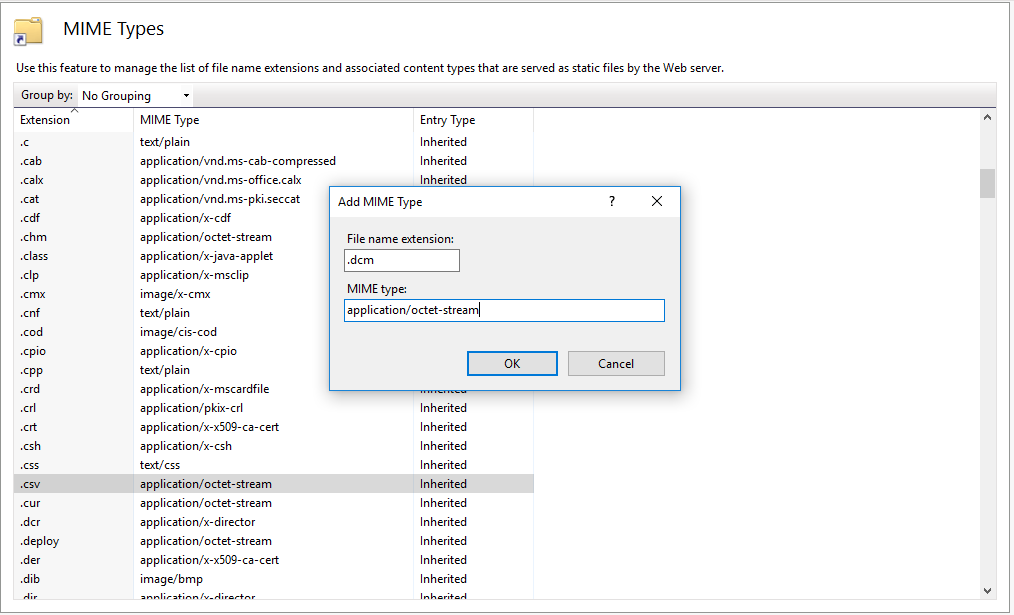
* Add virtual directory



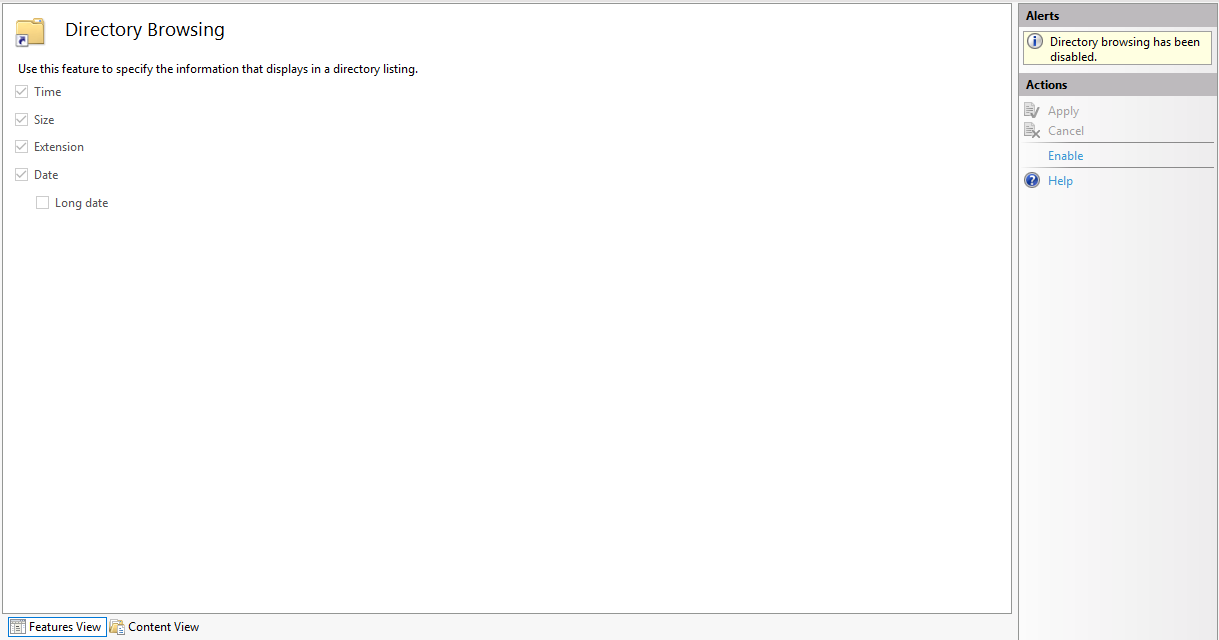
* Add CORS



* Add MIME Types



* Enable directory browsing



Import data:

Install plastimatch for nrrd calculation. <https://sourceforge.net/projects/plastimatch/>

Config plastimatch in webplatform -> settings

PLASTIMATCHPATH = r'D:/Program Files/Plastimatch/bin/plastimatch.exe'

In scripts folder run data\_insert.py to import sample data into database.

conda list --explicit > spec-file.txt

conda create --name myenv --file spec-file.txt

conda install --name myenv --file spec-file.txt