

Kubernetes Cluster and Driverless AI:

Step 1: Docker installation

<https://www.docker.com/community-edition>

→ Download Docker CE for Windows (stable) (219MB approx.) (15mins)

- **Install**

→ Run “docker version”

→ validate the docker runtime by running any other commands like “docker images”

Note: Ensure that the issues related to docker environment is sorted out before moving to next step

Step 2: Install H2oai driver installation (Docker image) :

The steps are documented @ <http://docs.h2o.ai/driverless-ai/latest-stable/docs/userguide/installing.html>

In brief:

- Download the Driver - <https://www.h2o.ai/driverless-ai-download/>
- Install

```
C:\User>docker load -i .\driverless-ai-docker-runtime-rel-X.Y.Z.gz
```

(It takes couple of minutes)

- Create the required folder for the driver to function

```
C:\User>md data
```

```
C:\User>md log
```

```
C:\User>md license
```

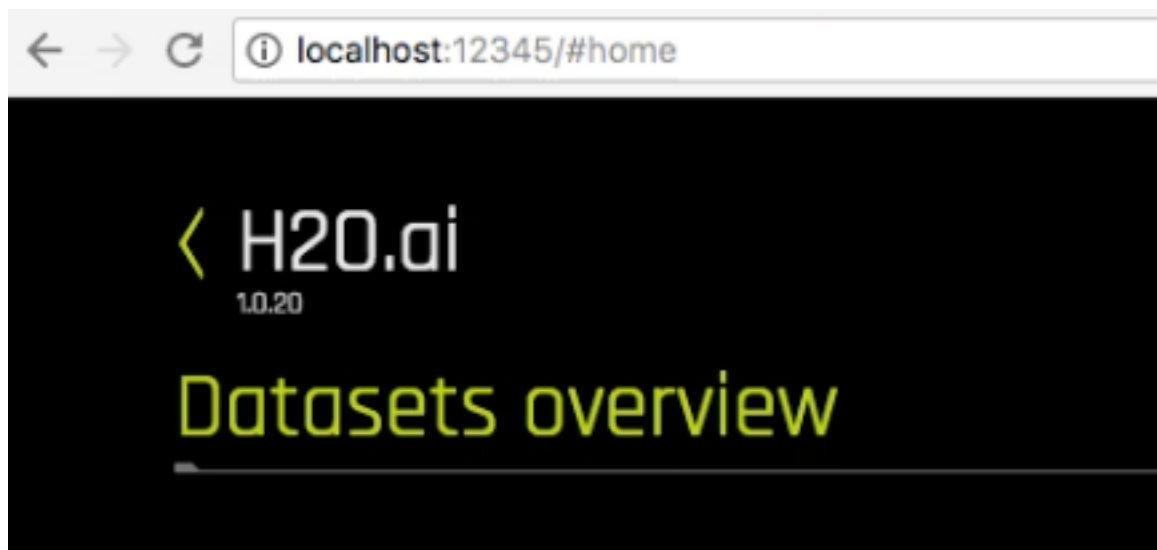
```
C:\User>md tmp
```

- **Run (Windows – refer the above link for other OS)**

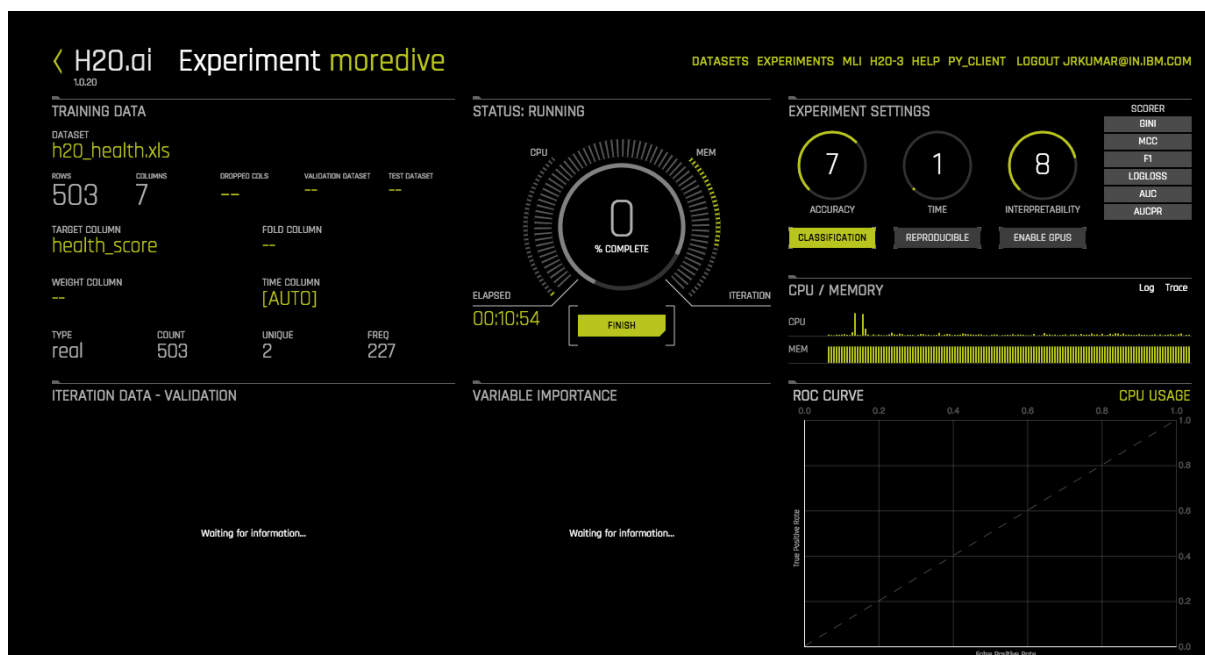
```
C:\User>docker run --rm -p 12345:12345 -p 54321:54321 -p 9090:9090 -v  
c:/path_to_data:/data -v c:/path_to_log:/log -v c:/path_to_license:/license -v  
c:/path_to_tmp:/tmp opsh2oai/h2oai-runtime
```

- **Connect**

Connect to Driverless AI with your browser at <http://localhost:12345>



- Load any dataset (ex: kaggle link) and validate the H2O.ai driver.



Now, proceed to next step in creating Kubernetes cluster through IBM Cloud