deepEA installation

• **Step 1**: Docker installation

i) Docker installation and start (Official installation tutorial)

For Windows (Only available for Windows 10 Prefessional and Enterprise version):

- Download <u>Docker</u> for windows;
- Double click the EXE file to open it;
- Follow the wizard instruction and complete installation;
- Search docker, select **Docker for Windows** in the search results and click it.

For Mac OS X (Test on macOS Sierra version 10.12.6 and macOS High Sierra version 10.13.3):

- Download <u>Docker</u> for Mac OS;
- Double click the DMG file to open it;
- Drag the docker into Applications and complete installation;
- Start docker from Launchpad by click it.

For Ubuntu (Test on Ubuntu 18.04 LTS):

- Go to <u>Docker</u>, choose your Ubuntu version, browse to **pool/stable** and choose **amd64**, **armhf**, **ppc64el or s390x**. Download the **DEB** file for the Docker version you want to install;
- Install Docker, supposing that the DEB file is download into following path:"/home/docker-ce~ubuntu_amd64.deb"

```
$ sudo dpkg -i /home/docker-ce<version-XXX>~ubuntu_amd64.deb
$ sudo apt-get install -f
```

ii) Verify if Docker is installed correctly

Once Docker installation is completed, we can run hello-world image to verify if Docker is installed correctly. Open terminal in Mac OS X and Linux operating system and open CMD for Windows operating system, then type the following command:

```
$ docker run hello-world
```

Note: root permission is required for Linux operating system.

• Once Docker is installed successfully, you will see the following message:

• Step 2: deepEA installation from Docker Hub

```
# pull latest deepEA Docker image from docker hub
$ docker pull malab/deepea
```

• Step 3: Launch deepEA local server

```
$ docker run -it -p 8080:8080 malab/deepea bash
$ bash /home/galaxy/run.sh
```

Then, deepea local server can be accessed via http://localhost:8080

