Problem:

Needed some script/utility which will launch a unique instances of Docker Image. Here Docker Image will work as a sandbox/package in which Django Server, Gunicorn Server and Web Application is running.

Prerequisite:

Ubuntu 14.04 (Virtual Machine/ Virtual box/ Physical Machine)

Internet Connection within the Virtual Machine

How to run?

Create a test directory inside your Ubuntu box => mkdir Demo

Copy **docker\_with\_django\_deployment.sh** (attached in mail) into the Demo Directory

Change permission of copied script => chmod +X docker\_with\_django\_deployment.sh

Run shell script in **sudo mode**=> **sudo ./docker\_with\_django\_deployment.sh**

What Script <docker\_with\_django\_deployment.sh> is supposed to do?

Install Docker in your machine, if it’s not already there

Run Docker services and Docker-Engine, if not already running

PULL the Required IMAGE from Docker-Hub, if it’s not available locally

RUN Docker Image and maintain the instances according to PORT

Auto run gunicorn server to manage production level workload

Provide you an <IP: PORT> to access the application

Enhancement to the current implementation

* To make it more operative, we can manage the Docker Container through script (example: stop/ shutdown/live status)
* We can integrate the Clean-Up mechanism for robustness

**NOTE**: Docker Image is available at <https://hub.docker.com/> under [**Repository: sap1234**](https://hub.docker.com/search/?isAutomated=0&isOfficial=0&page=1&pullCount=0&q=sap1234&starCount=0)

Thanks and Regards,

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