OpenFDA Prototype Deployment Guide

# Purpose

This document is to provide the instruction of deploying the OpenFDA prototype on platform that supports Docker container. This instruction is specifically written for the Centos 7 Operating System.

# Three major steps for deployment:

**1.) Install Docker for Centos 7**

For other operating systems, please go to the official installation guide in Docker website (<https://docs.docker.com/installation/>)

1. Log into your machine as a user with sudo or root privileges.
2. Make sure your existing packages are up-to-date.

$ sudo yum update

1. Download the Docker RPM to the current directory.

$ curl -O –sSL <https://get.docker.com/rpm/1.7.0/centos-7/RPMS/x86_64/docker-engine-1.7.0-1.el7.centos.x86_64.rpm>

1. Use yum to install the package.

$ sudo yum localinstall --nogpgcheck docker-engine-1.7.0-1.el7.centos.x86\_64.rpm

1. Start the Docker daemon.

$ sudo service docker start

**2) Download and run the MySQL Docker and initialize the database**

$ docker run --name openfda\_db -d -p 3306:3306 wasoftware/openfda\_db

**3) Download and run the OpenFDA prototype web application**

$ docker run --name openfda\_webapp -d -p 80:8080 --link openfda\_db:openfda\_db wasoftware/openfda

**The openFDA prototype website now is accessible at http://<hostname> or http://<server IP address>**