**Prerequisites**

Before you can run a deployment, you’ll need the following installed in your local environment:

* [Ansible](http://docs.ansible.com/ansible/latest/intro_installation.html) Requires Version 2.8+
* [Docker](https://docs.docker.com/engine/installation/)
  + A recent version
* [docker](https://pypi.org/project/docker/) Python module
  + This is incompatible with docker-py. If you have previously installed docker-py, please uninstall it.
  + We use this module instead of docker-py because it is what the docker-compose Python module requires.
* [Git](https://git-scm.com/) Requires Version 1.8.4+
* Python 3.6+

**System Requirements**

The system that runs the WIKIMEDIA service will need to satisfy the following requirements

* At least 4GB of memory
* At least 2 cpu cores
* At least 20GB of space
* Running Docker, Kubernetes

**Installation steps:**

**1. Install Dependencies**

yum install -y epel-release

yum remove python-docker-py

yum install -y yum-utils device-mapper-persistent-data lvm2 ansible git python-devel python-pip python-docker-py vim-enhanced

pip install cryptography  
pip install jsonschema  
pip install docker-compose~=1.23.0  
pip install docker –upgrade

**2. Install docker**

**Configure docker ce stable repository.**

yum-config-manager --add-repo https://download.docker.com/linux/centos/docker-ce.repo

**Installing docker.**

yum install docker-ce -y

**Start docker service.**

systemctl start docker

**Enable docker service.**

systemctl enable docker

**3. Deploy WIKIMEDIA**

**Clone WIKIMEDIA repo**

git clone https://github.com/dipchavan/wikimedia.git

**Configure WIKIMEDIA**

Add required hosts in the **“inventory”** file.

**Deploy WIKIMEDIA**

* cd wikimedia/installer
* ansible-playbook -i inventory deploy.yml -vv

**Check the status**

docker ps -a

You will see the images built like this form Dockerfiles:



***WIKIMEDIA is ready and can be accessed from the browser.***

**http://ipaddress:80/**

***the default username is “admin” and the password is “password”.***

**Final checks:**

1. verify whether the service is started or not with ss -tlnp | grep 80
2. make sure your firewall is open for port 80
3. make sure your OS is using python 3.6+ and pip3