Efficient Django Deployment :Dockerized Application on Azure vm

**Django Sample Application Myhelloworld run in local environment:**

**Django application github link:**

<https://github.com/tarsdip12/tarsdip_mssql_project/tree/2ecc24aff1a761dd967a86dcf30ce6c38f5f6a79/myhelloworld/myhelloworld>

**Order and connect vm:**

az vm create \

--resource-group MyResourceGroup \

--name MyVMTarsdip \

--image Ubuntu2204 \

--admin-username azureuser \

--size Standard\_D4s\_v3 \

--vnet-name MyVNet \

--subnet MySubnet \

--public-ip-address-dns-name myuniquepublicdnsname \

--authentication-type ssh \

--ssh-key-value @~/.ssh/id\_rsa.pub

**Connect through ssh key:**

ssh -i ~/.ssh/id\_rsa azureuser@myuniquepublicdnsname.eastus.cloudapp.azure.com

**Installing Docker on Azure VM:**

sudo apt-get update

sudo apt-get install apt-transport-https ca-certificates curl software-properties-common

curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo apt-key add -

sudo apt-key fingerprint 0EBFCD88

sudo add-apt-repository "deb [arch=amd64] https://download.docker.com/linux/ubuntu $(lsb\_release -cs) stable"

sudo apt-get update

sudo apt-get install docker-ce docker-ce-cli containerd.io

sudo usermod -aG docker $USER

sudo docker run hello-world

**Django Application Dockerization using Dockerplayground:**

Git clone <https://github.com/tarsdip12/tarsdip_mssql_project.git>

Cd tarsdip\_mssql\_project

Cd myhelloworld

Docker build –t myhelloworld .

Docker run –p 8000:8000 myhelloworld

**Output:**

