

RADIUSdesk Docker Image

Introduction

- You need to know the basics of Docker in order to complete these instructions.
- The Docker image will produce a split image (two containers)
 - One container will be the database using MariaDB
 - The other container will be the web server with Nginx, PHP and FreeRADIUS.

Install Docker

- We assume you are a user called **system** on a standard Ubuntu install.
- Issue the following commands to install the Docker system on your machine.

```
USER="system"
```

```
sudo apt-get update
```

```
sudo apt-get install -y \  
    ca-certificates \  
    curl \  
    gnupg \  
    lsb-release
```

```
sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --  
dearmor -o /usr/share/keyrings/docker-archive-keyring.gpg
```

```
echo \  
    "deb [arch=$(dpkg --print-architecture) signed-  
by=/usr/share/keyrings/docker-archive-keyring.gpg]  
https://download.docker.com/linux/ubuntu \  
    $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list  
> /dev/null
```

```
sudo apt-get update
```

```
sudo apt-get -y install docker-ce docker-ce-cli containerd.io docker-  
compose-plugin
```

```
sudo apt-get -y install docker-compose
```

```
# Make docker run as non root
```

```
sudo usermod -aG docker $USER
```

```
sudo chmod 666 /var/run/docker.sock
```

```
# customize with your own.
```

```
sudo mkdir -p /mnt/data
```

```
# make sure all future data in this folder can be created as non root
```

```
sudo chown $USER:$USER /mnt/data
```

Create the Docker containers

- We include everything to create the RADIUSdesk docker containers with the RADIUSdesk (rdcore) repository.
- Check out the **rdcore** git repository.

```
cd ~
```

```
sudo git clone https://github.com/RADIUSdesk/rdcore.git
```

- Mount the rdcore top directory to the **rdcore/docker/rdcore** directory

```
cd rdcore/docker
```

```
sudo mkdir rdcore
```

```
sudo mount --bind ../../rdcore ./rdcore
```

- Run the **local_build.sh** script.

```
./local_build.sh
```

- There will be feedback on the screen as the two docker containers getting built.

- On my one Ubuntu machine I got an error message about

docker-credential-desktop not installed or not available in PATH

- The cure was to edit **~/.docker/config.json** and replace **"credsStore"** by **"credStore"**.



```
{
  "auths": {},
  "credStore": "desktop",
  "currentContext": "default"
}
```

- After it completed you can confirm it is running

```
docker container ls
CONTAINER ID   IMAGE                                COMMAND                                  CREATED
STATUS        PORTS
NAMES
98339a6a1b57   docker_radiusdesk                  "/bin/sh -c '/usr/bi..."             About an hour
ago    Up About an hour    0.0.0.0:80->80/tcp, :::80->80/tcp,
0.0.0.0:1812-1813->1812-1813/udp, :::1812-1813->1812-1813/udp, 9000/tcp
radiusdesk
db3c6fa81d8b   bitnami/mariadb:10.5              "/opt/bitnami/script..."             2 hours ago
Up 2 hours      3306/t
```

- Open a browser and go to the IP Address of the host running the docker containers.

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<http://radiusdesk.com/wiki/> - **RADIUSdesk**

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