**Data Catalog**

**Installation Guide**

***Ministry of Health, eHealth Africa***

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| **Version** | **Author** | **Date** | **Note** |
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## System Requirements

Operating System: Ubuntu 16.4

If you’re using a Windows OS, you can install Ubuntu on Oracle VM VirtualBox.

## Installation Steps

### Step 1: Install Git

Open the terminal and run:

* sudo apt-get update
* sudo apt-get install git

### Step 2: Setup Git

Set up your git account:

* git config --global user.name qing
* git config --global user.email [qing.gong@lr.ehealthafrica.org](mailto:qing.gong@lr.ehealthafrica.org)
* git config --global color.ui auto

Create a local repository:

* git init mohDataCatalog

Get the data catalog installation files

* git clone https://github.com/eHealthAfrica/lr\_data\_catalog.git

### Step 3: Install pwgen

* sudo apt-get install gettext pwgen

### Step 4: Install Docker

Follow the steps here: <https://www.digitalocean.com/community/tutorials/how-to-install-and-use-docker-on-ubuntu-16-04>

Run the following command to add user current\_user to docker group:

* sudo usermod -aG docker current\_user

### Step 5: Install Docker-Compose

Follow the steps here:

<https://www.digitalocean.com/community/tutorials/how-to-install-docker-compose-on-ubuntu-16-04>

**Note**: a slow internet may cause network problem that makes the process fail.

### Step 6: Install CKAN using script from eHA

* Go to lr\_data\_catalog directory and run: bash prepare\_build\_local.sh
* The process stops at **solr\_1 | 67331**, go to localhost:5000, and see that the page is up.
* Open another terminal, and run docker-compose exec ckan /opt/ckan/create\_admin\_user.sh
* Username: admin
* Password: Zi1fohth0uaweec5

If the docker server has been shut down, user shall turn up the docket server before visiting the CKAN site.

### Step 1: Turn the server up

* Run: docker-compose up

Note: Run docker-compose up -d , whenever need the server to be up.

### Step 2: Visit CKAN Site

* Open a web browser and enter localhost:5000.

To shut down docker-compose: docker-compose down