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| Datawake Demo Installation Guide 2.0 |
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| Michael Frame |
| 7/31/2015 |

Document Revision History

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| 04/06/2015 | 1.0 | Michael Frame | Datawake Demo VM/Container all-in-one section |
| 07/31/2015 | 2.0 | Michael Frame | Various edits, Update to new UI |

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# Running the Datawake Demo

This section describes the setup of the Datawake Demo on Windows, MacOS, and Linux operating systems. The demo environment consists of six Docker containers that can be run within your native OS, within the Demo Virtual Machine using Virtual Box, or hosted on an Ubuntu 14.04 Server located on the EC2.

The simplest local demo can be achieved utilizing the Demo Virtual Machine (VM). It allows you to run a complete standalone Datawake instance consisting of Docker, the Datawake Docker Containers and Firefox with the installed Datawake plugin. The VM requires virtually no setup aside from running the VM on your machine. It should be noted that data tracked will not be permanently persisted to the VM, that is each time you restart the VM or Docker you will be working only with the pre-loaded demo data in the VM.

Should you wish to have a local installation, the Docker containers can be installed within your local Docker instance. This may require some additional configuration within your environment, as the Docker containers utilize several ports that may be in conflict with your host system (Ports 80, 3306, 3001,3002, etc). a

Running Datawake requires that the user first Sign On using the plugin, after which the Datawake Forensic Viewer is available at:

<http://[localhost> or machine IP Address]/forensic

The Datawake Manager uses a separate login and is available at:

<http://[localhost> or machine IP Address]:3002/

## Install Firefox Plugin

* Download the Firefox Plugin from <https://s3.amazonaws.com/soterastuff/Datawake_Demo/SummerCamp2015_V7/datawakefirefoxaddon_7.0Demo.xpi>
* Install the Firefox Plugin
  + Firefox, Open Menu, Add-ons, click the Gear, Install Add-on from File, browse to the downloaded add-on

## Datawake Prerequisites

There are a few prerequisites required to run Datawake natively in your OS. These include the following:

* Microsoft Windows, MacOS, or Linux
* Docker software and instructions available @ <https://docs.docker.com/installation/> )
* The Datawake Demo Docker containers (available via DockerHub or from a local media source)
* The Datawake Firefox Add-on (available via GitHub or from a local media source)

## Installation utilizing the Demo Virtual Machine (Datawake VM)

The following steps need to be performed to get the Demo VM installed, configured, and working.

### Install Virtual Box & Add the Virtual Machine

* Download and install the Virtual Box version pertaining to your operating system from [https://www.virtualbox.org/wiki/Downloads](https://www.virtualbox.org/wiki/Downloads%20)
* Copy the Datawake Demo Virtual Machine to your preferred location and unzip it

https://s3.amazonaws.com/soterastuff/Datawake\_Demo/SummerCamp2015\_V7/DataWakeDemoVM.zip

* Select “Machine, Add” and browse to the location of your copy of the VM. Select the DataWakeDemoVM.vbox file.
* Start the VM, the user and password are “demo”,”demo”
* Double-click the “MATE Terminal” icon
* Type ‘**sudo /opt/dockerstartup.sh**’ and click Enter, you will be prompted for the demo password

## Installation utilizing the Datawake Docker Containers

The following steps need to be performed to get the Datawake Docker Containers installed and configured.

### Install Docker Containers

* Download and install the Docker version 1.6 software for your operating system(instructions available @ <https://docs.docker.com/installation/> )

OR

wget -qO- https://get.docker.com/ | sed 's/lxc-docker/lxc-docker-1.6.2/' | sh

* Copy datawake.sh from

wget <https://s3.amazonaws.com/soterastuff/Datawake_Demo/SummerCamp2015_V7/datawake>

OR

Create a datawake shell script with the following lines:

* + #!/bin/bash
  + docker run -dt --name data-container -h data-container jreeme/data-container:7.0
  + docker run -dt --volumes-from data-container --name mongo -h mongo
  + jreeme/mongo:7.0 docker run -dt --volumes-from data-container --name mysql -h mysql jreeme/mysql:7.0
  + docker run -dt --name loopback -h loopback --link mongo:mongo --link mysql:mysql -p 8701:8701 -p 3001:3001 jreeme/loopback:7.0
  + docker run -dt --name webapp -h webapp --link loopback:loopback -p 8702:8701 -p 3002:3001 jreeme/webapp:7.0
  + docker run -dt --name tangelo -h tangelo --link mysql:mysql -p 80:80 jreeme/tangelo:7.0
* Change the permissions on the file so that it can be executed

sudo chmod 700 datawake

* Execute the shell script to pull the Docker Images and create the Datawake containers on your system.

sudo ./datawake

When complete you should have 6 running containers:

* data-container
* mongo
* mysql
* loopback
* webapp
* tangelo

## Running Datawake

To run Datawake locally or in the VM

* Click the Datawake Widget in the top right corner of the Firefox browser.
* Click the “Sign in” button.
* Click the Datawake Widget button again. Select the “CWhite” from the Team dropdown. Then select an existing Domain.
* You may pick an existing Trail or create a new one by clicking the “+” button and entering a Trail Name and Description.
* Click the “Start” button to begin tracking.
* Click the blue “click for forensic trail viewer” button to see your trails in the Forensic Viewer.

Your Datawake Demo is now functional.

More detailed instructions for how to use Datawake are provided in the Datawake User Guide located at:

<https://github.com/Sotera/Datawake/blob/master/documentation/Datawake-UserGuide.docx>