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| Datawake Demo Installation Guide 1.0 |
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| Michael Frame |
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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 a Docker container that can be run within your native OS or within the Demo Virtual Machine using Virtual Box.

The simplest demo can be achieved utilizing the Demo Virtual Machine (VM). It will allow you to run a complete standalone Datawake instance consisting of Docker, the Datawake Docker Container 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 container can be installed within your local Docker instance. This may require some additional configuration within your environment, as the Docker container’s webserver uses port 80.

## 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 container (available via the internet or from a local media source)
* The Datawake Firefox Add-on (available via the internet 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
  + 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
  + Start Firefox
  + 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 VM is now functional.

## Installation utilizing the Datawake Docker Container

The following steps need to be performed to get the Datawake Docker Container installed, configured, and working.

### Install Docker Container and Firefox Addon

* + Download and install the Docker software for your operating system(instructions available @ <https://docs.docker.com/installation/> )
  + Copy or pull the Datawake Demo Container and start file to your machine (dw\_demo.tar and dockerstartup.sh)
  + Type ‘**sudo docker load < dw\_demo.tar**’ to load the image.
  + Type ‘**sudo docker run -d -p 0.0.0.0:80:80 -it --name "datawake\_demo" dw\_demo bash**’ to create the Datawake Demo Container from the image you loaded
  + Type ‘**sudo ./dockerstartup.sh**’ to execute the Docker container via the shell script. This will startup the Tangelo web server and the MySQL database instance.
  + Copy the Firefox addon ‘datawakefirefoxaddon.xpi’ to your machine. Install it in Firefox using the Firefox Menu, Add-ons, Install Add-on from File option.
  + Configure the Firefox addon for your Docker IP Address by using Firefox Menu, Add-ons, Options (in the Datawake 0.6-SNAPSHOT Extension) and replacing all instances of “**127.0.0.1**” with your Docker IP Address (Datawake Deployment Address, Forensic View Deployment Address, Datawake Deployment Address IP).
  + 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 VM is now functional.
  + To stop/startup the Datawake instance after the initial run, type the following commands:
    - sudo docker stop datawake\_demo
    - sudo ./dockerstartup.sh

## Installation utilizing the Datawake Docker Container – Mac OS X

The following steps need to be performed to get the Datawake Docker Container installed, configured, and working on Mac OS X.

### Install Docker Container and Firefox Addon

* + Download and install the Docker software for your operating system(instructions available @ <https://docs.docker.com/installation/> ). This can be Boot2Docker or Kitematic.
  + Launch a Docker Commandline Terminal (In Kitematic this is under the File menu).
  + Type ‘**sudo docker login**’ use your dockerhub credentials. If you do not have access to ‘**memex/datawake**’ on dockerhub, skip to the next step.
  + Type ‘**docker pull meme/datawake:#.#.#**’ (where #.#.# represents the version tag number you want to pull, for example, 0.6.2). If you do not have access to ‘**memex/datawake**’ on dockerhub, you can copy the *dw\_demo.tar* file from S3, then type ‘**sudo docker load < dw\_demo.tar**’ from the directory you saved the tar file to, in order to load the image instead.
  + Type ‘**sudo docker run -d -p 0.0.0.0:80:80 -it --name "datawake\_demo" “memex/datawake:#.#.#” bash**’ (where #.#.# represents the tag you are using) to create the Datawake Demo Container from the image you loaded
  + Type ‘**sudo ./dockerstartup.sh**’ to execute the Docker container via the shell script (This file is also available via the share on S3). This will startup the Tangelo web server and the MySQL database instance. If it does not run, it could be that the file is not marked for execution. This can be fixed by typing ‘**sudo chmod 777 dockerstartup.sh**’ then trying to execute again.
  + Copy the Firefox addon ‘datawakefirefoxaddon.xpi’ to your machine. Install it in Firefox using the Firefox Menu, Add-ons, Install Add-on from File option.
  + Configure the Firefox addon for your Docker IP Address by using Firefox Menu, Add-ons, Options (in the Datawake 0.6-SNAPSHOT Extension) and replacing all instances of “**127.0.0.1**” with your Docker IP Address (Datawake Deployment Address, Forensic View Deployment Address, Datawake Deployment Address IP). You can find your IP address in Kitematic under the “Settings” tab, in the “Ports” section for your container.
  + 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 VM is now functional.
  + To stop/startup the Datawake instance after the initial run, type the following commands:
    - sudo docker stop datawake\_demo
    - sudo ./dockerstartup.sh