Single Instance with App-Only Image

Overview

In our steps for setting up a single instance of Yellowfin, Yellowfin runs on port 8080 of your Docker host, with 4GB of allocated RAM.

Before deploying a single instance with these defaults, make sure you have already created a repository database and synced it with the same version of Yellowfin that will be used in the Yellowfin container. To do this, download the full application installer for Yellowfin, and install it on your workstation. This will create a Yellowfin repo DB as well as an instance of Yellowfin in a folder which can be deleted after configuring the containers.

For a list of supported database types, see the database information on Install And Deploy Yellowfin.

To deploy a single instance of Yellowfin, follow the steps below.

1. Install the full application installer version of Yellowfin on your workstation (this is temporary to ensure the repo DB is available for the containers to use)
2. Copy the web.xml file from this installation and save it as a backup to your preferred location (this acts as a reference for the Yellowfin credentials required to connect to your Yellowfin repo DB)
3. Ensure Docker is running
4. Copy the following text and paste it into your preferred text editor:

```
version: '3'
services:
  yellowfin-standalone-single-instance:
   ports:
      - "8080:8080" # Maps Yellowfin running on port 8080 to the host's port 8080 environment:
      # Required environment variables
      - JDBC_CLASS_NAME=INSERT_DATABASE_TYPE_HERE # Database driver class name
      - JDBC_CONN_URL=jdbc:INSERT_JDBC_CONNECTION_STRING_HERE # Database connection string
      - JDBC_CONN_USER=INSERT_DATABASE_USER_HERE # Username to use when accessing the database
      - JDBC_CONN_PASS=INSERT_JDBC_PASSWORD_HERE # Password for the database user
      - JDBC_CONN_ENCRYPTED=true # Flag for indicating if the database user's password supplied is
encrypted or not.
      - APP_MEMORY=4096 # The amount of memory in megabytes to assign to the Yellowfin Application.
   image: "yellowfinbi/yellowfin-app-only:<RELEASE_VERSION_GOES_HERE>" # Path to the app-only image of
Yellowfin
```

5. Read through the above text and replace the environment variable placeholders with your own configuration details(these are located in the web.xml file of your local Yellowfin installation); here's an example to connect to a PostgreSQL instance:

```
      # Required environment variables
      - JDBC_CLASS_NAME=org.postgresql.Driver # Database driver class name
      - JDBC_CONN_URL=jdbc:postgresql://192.168.1.50/docker_standalone_yellowfin_single_instance #
Database connection string
      - JDBC_CONN_USER=postgres # Username to use when accessing the database
      - JDBC_CONN_PASS=bXF0oj5gnB1oRB1kZq5 # Password for the database user
      - JDBC_CONN_ENCRYPTED=true # Flag for indicating if the database user's password supplied is
encrypted or not.
      - APP_MEMORY=4096 # The amount of memory in megabytes to assign to the Yellowfin Application.
   image: "yellowfinbi/yellowfin-app-only:9.6.0" # Path to the app-only image of Yellowfin
```

6. Save the text to a YAML file called **yellowfin-single-instance.yml**
7. Run the following command in a terminal to deploy Yellowfin and execute it in the background:
   `docker-compose up -d -f yellowfin-single-instance.yml`
8. Start Yellowfin by typing your host URL on port 8080
9. Ensure that Yellowfin is running from your container and that you can login(this confirms that your login credentials are correct, so you can safely delete the workstation instance of Yellowfin)
10. Delete the workstation instance of Yellowfin by removing the folder

top

Section navigation

Current topic - Install in a Container

The page is part of the Install in a Container topic contains the following pages, split by Docker and Kubernetes:

Single Instance with App-Only Image

- Deploy to Docker without Swarm
  - Sandbox Instance with All-In-One Image
  - Single Instance with App-Only Image
  - Multiple Discrete Instances with App-Only Image
  - A Cluster with App-Only Image
- Deploy to Docker with Swarm
  - Sandbox instance with All-In-One Image - Swarm
  - Single Instance with App-Only Image - Swarm
  - Multiple Discrete Instances with App-Only Image - Swarm
  - A Cluster with App-Only Image - Swarm

Kubernetes

- Deploy to Kubernetes without load balancing
  - Sandbox Instance with All-In-One Image - no Load Balancer
  - Multiple Discrete Instances with App-Only Image - no Load Balancer
- Deploy to Kubernetes with Load Balancing
  - Single Instance with App-Only Image and Load Balancer
  - A Cluster with App-Only Image and Load Balancer

This page is part of the Install And Deploy Yellowfin section of the wiki, which has these topics:

Install on Premises

Single Instance with App-Only Image

- Installation Steps

Install in the Cloud

Install in the Cloud

- Yellowfin for AWS
- Yellowfin for Azure
- Yellowfin for Google Cloud Platform

Install in a container

Install in a Container

- Docker
- Kubernetes
- Upgrading Yellowfin Container Deployment

Deploy Yellowfin

Deploy Yellowfin

- Logs and Logging
- Yellowfin Directory Structure
- User Welcome

Advanced Deployments

Advanced Deployments

- Clustering Guide
- Yellowfin Server Specification
- Automate Yellowfin Deployment on Linux
- SAML Bridge
- Standalone Configuration Tools

top
