Ozone Platform Quick Start Guide

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1 Objectives

This quick start guide defines how to setup and run the Ozone Platform. At the end of this procedure you will have the Ozone Platform running in docker containers.

2 Document Scope

This guide is intended for administrators or developers who wish to learn how to install and deploy the platform for the purposes of gaining an overall familiarity with product as well as deploying a functional development environment.

3 Quick Start Guide

3.1 Objectives

This quick start guide defines how to setup and run the Ozone Platform. At the end of this procedure you will have the Platform running in dockerized components

3.2 Docker Quick Start

3.2.1 Requirements

Application	Tested Versions
Docker	*Mac: 18.03.0-ce-mac60* | *Windows: 18.03.0-ce-win59*
Docker-compose	*Mac/Windows: 1.20.1*

3.2.2 Instructions

1. Modify the `checkout.sh` script `USERNAME` variable to your own username.
2. Run the `checkout.sh` script.
   This will check out the appropriate repositories into the `src/` folder.
   (Note: This step only needs to be done once; after the repositories are checked out, they may be used as normal git repositories.)
3. Run the `sync-src.sh` script.
   This will copy the repositories from the `src/` folder to the individual container folders.
4. Run the `start-ozp.sh` script.
5. After all the containers have started, open a web browser to OZP Center at http://localhost:8000/dist
6. When prompted for credentials, enter the username `` `wsmith` `` with the password `` `password` ``.

3.2.3 Ports

The following ports must be available on the host machine:

```
8000  - OZP Center front-end
8001  - OZP API back-end
8002  - OZP Demo Apps
8003  - OZP Demo Auth service
8004  - OZP HUD
9000  - OZP Webtop (Development)
9001  - OZP Webtop (Test)
9010  - OZP Webtop (Documentation)
9037  - OZP Webtop (Production)
9600  - OZP Webtop (Data utility)
9601  - OZP Webtop (Sticky state demo)
35729 - OZP Webtop (Webpack live reload)
```

3.2.4 Development

The `src/` folder contains the repositories used to build the projects.

Any source changes should be made in this folder, and then the `sync-src.sh` script used to copy the changes to the container folders.

After `sync-src.sh` has been run, the containers may be rebuilt and started to test the changes.

Alternatively you can run the desired `redeploy-*` script to sync and rebuild an individual module of OZP.

Since the folders under `src/` are git repositories, once any changes there have been tested, they may be committed and pushed back to the main repository.

3.2.5 Patch Folder

The `patch/` folder is primarily for changes that should not be committed back into the primary repositories.

For example, it includes changes to the project `package.json` files to point to file paths local to the containers, rather than the original GitHub repositories.

3.2.6 Run Ozone Platform

The following scripts are provided to manage the OZP containers:

Script	Description
`start-ozp.sh`	Run all containers (using `docker-compose`)
`stop-ozp.sh`	Stop all containers (using `docker-compose`)

Additional scripts are provided for source synchronization and container management during development:

Script	Description
`sync-src.sh`	Synchronize changes from all of the modules into their respective container directories.
`redeploy-api.sh`	Synchronize changes from `src/ozp-backend/` and rebuild the `ozp_api` container.
redeploy-center.sh	Synchronize changes from `src/ozp-center/` and rebuild the `ozp_center` container.
`redeploy-hud.sh`	Synchronize changes from `src/ozp-hud/` and rebuild the `ozp_hud` container.
`redeploy-webtop.sh`	Synchronize changes from `src/ozp-hud/` and rebuild the `ozp_webtop` container.