B3Africa Webinar 4 The BIBBOX

April 27th, 1:00 PM - 2:30 PM CEST

Overview

TOPIC 2:

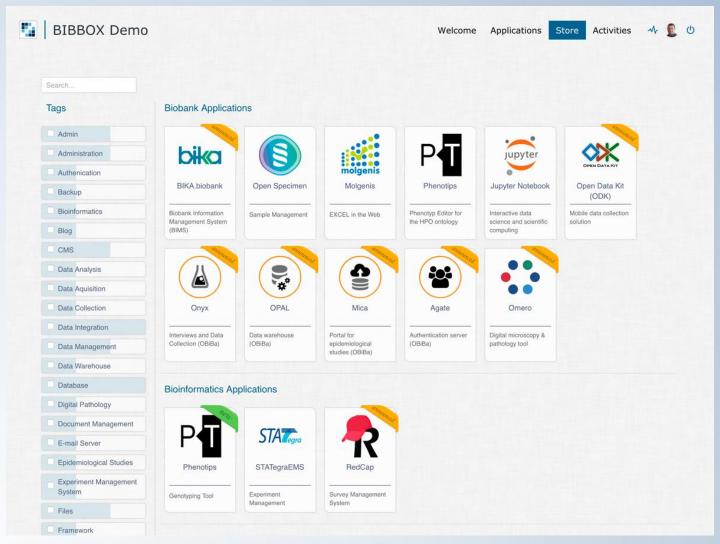
Apps in the BIBBOX

- Installation of Apps
- How is the structure in the BIBBOX
- What happens in the background

Installation of Apps

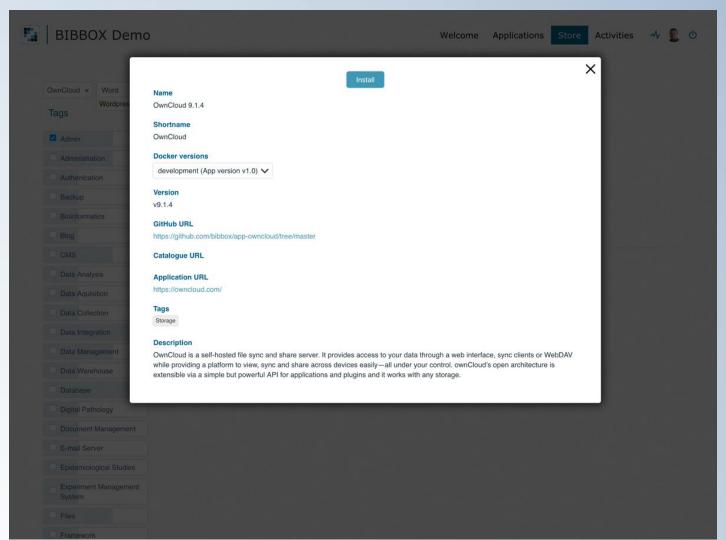
- BIBBOX App Store (eB3Kit)
 - App Groups
 - Biobank Applications
 - Bioinformatics Applications
 - Helper Applications
 - Admin Dashboard
 - Apps are tagged
 - Apps are versioned
 - Documentation on Read the Docs¹⁾
- Live Demonstration

Store



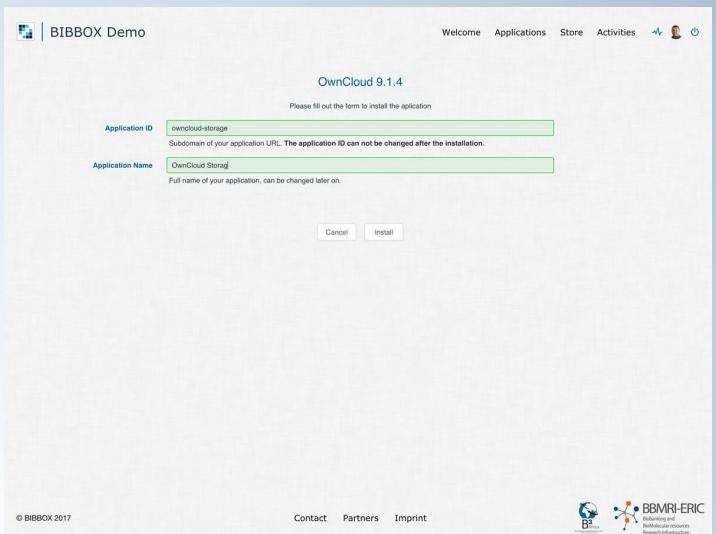


App information and Version

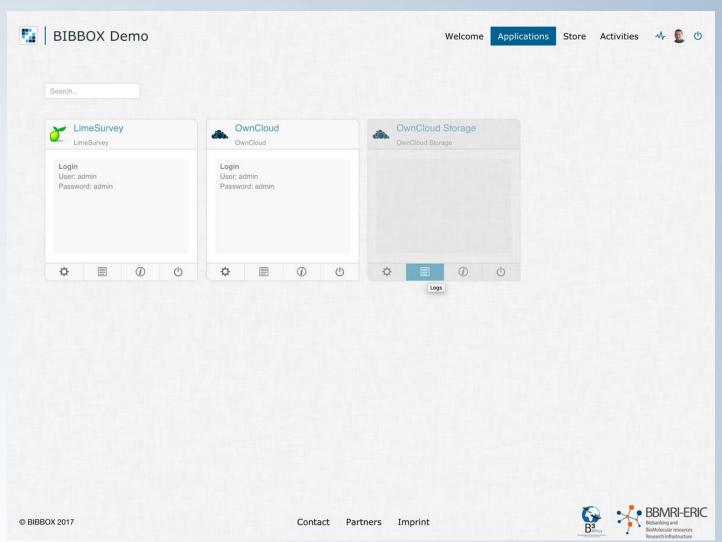




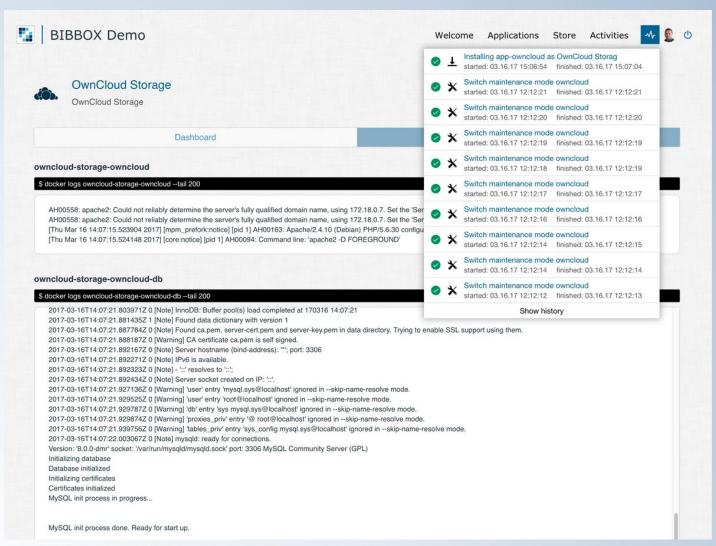
Installation Parameters



Applications

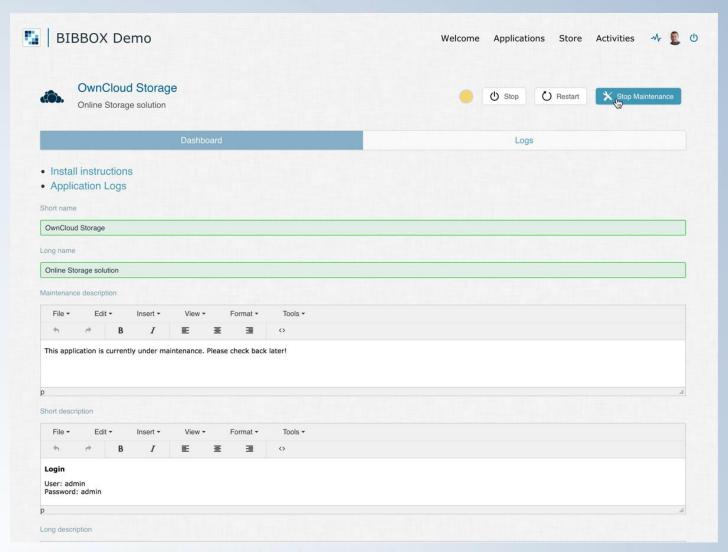


Activities and Log View





Dashboard





Structure of the BIBBOX

/etc/apache2

sites-available - available proxy files
sites-enabled - enabled proxy files

/opt/liferay

portal-ext.properties - config file
portal-setup-wizard.properties - setup
config
tomcat-8.0.32/logs/cartalina.out liferay log file

/var/www/bibbox-datastore

bibbox - In /opt/bibbox/application-store/
js - the JavaScript frontend

/etc/bibbox

bibbox.cfg - basic bibbox configs
conf.d - additional config folder
(applock.cfg)

/opt/bibbox/

application-store — a copy of all git repositories for the kit and the applications with all versions application-instance — the folders for all installed applications applications application-import-export - folder structure for import and export sys-activities - base BIBBOX service sys-idmapping - base BIBBOX service sys-bibbox-vmscripts - all additional BIBBOX scripts



What happens in the background

App Structure on Github

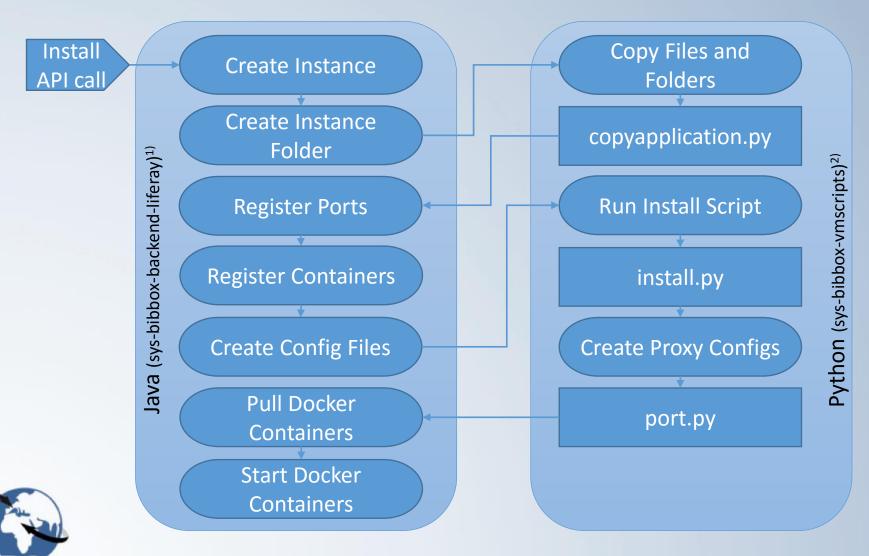
- application-store 1)
 - eB3Kit.json Creating the group structure, tags and available version for the kit
 - applications.json Linking App names with github repositories
- app-phenotips ²⁾
 - appinfo.json Information about the app
 - **environment-parameters.json** Parameters for the setup of the application
 - config-parameters.json Parameters for setup of the app than can be changed during runtime (not used yet)
 - file_structure.json Config file to create the folder and file structure for installing the app
 - portinfo.json Config file for creating the port mapping and proxy mapping for the app
 - sys-info.json information file for docker-containers used by the app and what containers need to run



¹⁾ https://goo.gl/tYT9dA

²⁾ https://goo.gl/V1g9fd

Installation Process



BRIDGING BIOBANKING AND BIOMEDICAL RESEARCH ACROSS EUROPE AND AFRICA

¹⁾ https://goo.gl/hUiMkV

²⁾ https://goo.gl/suDFnZ

Folder structure store and instance

```
[reihsr@demo-new:/opt/bibbox/application-store/app-phenotips/blob/development$ ls
                                                        install.sh
addproxy.sh
                              id-mapping-info.json
appinfo.json
                                                        logo.png
                              images
                              INSTALL-APP.md
config-parameters.json
                                                        logo.svg
cutandpaste.sh
                              install-screen-01.png
                                                        portinfo.json
docker-compose-template.yml
                             install-screen-02.png
                                                        README.md
environment-parameters.json
                             install-screen-03.png
                                                        sys-info.json
                              install-screen-04.png
file_structure.json
                              install-screen-final.jpg
icon.png
```



Installation



docker-compose.yml

reihsr@demo-new:/opt/bibbox/application-store/app-phenotips/blob/development\$ docker ps | grep pt13rc1 42fc5289e551 bibbox/phenotips "/opt/bibbox-scrip..." 5 weeks ago Up 5 weeks 4ca95ca6339c 99d7d0ahdeh9

"docker-entrypoint..." 5 weeks ago Up 5 weeks

0.0.0.0:9053->8080/tcp 3306/tcp

pt13rc1-phenotips pt13rc1-phenotips-db

version: '2'

networks:

bibbox-default-network:

external: true

services:

pt13rc1-phenotips:

image: bibbox/phenotips

container name: pt13rc1-phenotips

restart: unless-stopped

networks:

bibbox-default-network

links:

- pt13rc1-phenotips-db:phenotips-db

ports:

- "9053:8080"

depends on:

- pt13rc1-phenotips-db

- pt13rc1-phenotips-data

volumes from:

- pt13rc1-phenotips-data

pt13rc1-phenotips-db:

image: mysql:8

container name: pt13rc1-phenotips-db

restart: unless-stopped

networks:

bibbox-default-network

user: root environment:

- MYSQL ROOT PASSWORD=thispassword

- MYSQL DATABASE=phenotips

- MYSQL USER=phenotips

- MYSQL PASSWORD=phenotips4bibbox

volumes from:

pt13rc1-phenotips-data

depends on:

- pt13rc1-phenotips-data

pt13rc1-phenotips-data:

image: busybox

container name: pt13rc1-phenotips-data

volumes:

- ./var/lib/mysql:/var/lib/mysql

- ./phenotips/extapi:/project/src

