

LexPredict ContraxSuite Quick Deployment

Quick Deployment
Release 1.0.9 - May 1, 2018

/lexpredict-contraxsuite/docker/ folder contains scripts for fast deploying current latest Contraxsuite release on a clean Ubuntu 16.04 machine.

Contraxsuite application is provided as a Docker image freely available at DockerHub (<https://hub.docker.com/r/lexpredict/lexpredict-contraxsuite/>) and a set of scripts and config files (this directory) allowing starting all components required for Contraxsuite (including docker-compose.yml file).

System Requirements

- Clean Ubuntu 16.04 (or later - not tested) machine.
- At least 16GB free space on HDD at /.
- At least 8GB RAM.

Installation

- Unupload/unpack all files of this dir to the machine.
- Put zipped theme and jqwidgets files into ./deploy/dependencies directory.

Contents of ./deploy/dependencies should be similar to this:

- * jqwidgets-example.zip - zipped JQWidgets Library
 - * jqwidgets
 - * globalization
 - * styles
 - * jqx-all.js
 - * ...
- * theme-example.zip - zipped theme
 - * Package-HTML
 - * HTML
 - * css
 - * images
 - * js
 - * style.css

- Run script: **setup_local_contraxsuite_ubuntu_16_04.sh**

The script will execute the following actions:

- install Docker,
 - initialize Docker Swarm cluster consisting of this single machine,
 - download the latest Contraxsuite Docker image from Docker Hub,
 - deploy services configured in ./deploy/docker-compose.yml file.
- Wait few minutes for all components to start (sudo docker service ls).
- After the installation is finished:
 - the Contraxsuite application will be available at **http://localhost:65080**;
 - Jupyter having access to the Contraxsuite python code and database will be at **http://localhost:8888**;
 - Kibana connected to the Contraxsuite ElasticSearch will be at **http://localhost:5601**
 - Contraxsuite Django logs are in **logstash*** indexes
 - Documents indexed for search purposes are in **contraxsuite*** indexes.
- Admin login/password: **Administrator / Administrator**.

Updating to the Latest Contraxsuite Image

To update running Contraxsuite demo application installed by these scripts to the latest version you can run the following script on the machine:

update_local_contraxsuite_to_latest_version.sh

Database and documents uploaded to the system will be preserved after update.

Advanced Usage

These scripts can be used to run Contraxsuite in a distributed Docker Swarm cluster consisting of multiple machines.

Check ./deploy/new_contraxsuite_cluster_ubuntu_16_04.sh for more info.

For more complicated deployments and support please contact LexPredict team.

Contraxsuite Docker image maintains information about the last image version used on this deployment in `contraxsuite_contraxsuite_deployment_uuid` docker volume
(/var/lib/docker/volumes/contraxsuite_contraxsuite_deployment_uuid).

On each start Contraxsuite checks if the image is new by testing if stored uuid matches image uuid. For the case of new version Contraxsuite re-installs theme and jqwidgets and runs Django collectstatic.

If during the installation or updating process some problems with CSS appear the following steps

can be used to force Contraxsuite re-installing the theme:

1. Undeploy the cluster using the script in docker/deploy.
2. Wait approx 15 seconds for it to finish.
3. Delete deployment uuid file from
/var/lib/docker/volumes/contraxsuite_contraxsuite_deployment_uuid
4. Deploy the cluster again.