LexPredict ContraxSuite Quick Deployment

Quick Deployment
Release 1.1.2 - August 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

- Unpload/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
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.