UI Deployment / Installation guide

1 Deployment / Installation

1.1 MySQL

The MySQL docker image can be downloaded using the following command:

```
$ docker pull akraino/validation:mysql-latest
```

In order to deploy it, the following data is needed:

- MYSQL_ROOT_PASSWORD, the desired mysql root user password
- MYSQL_USER, the desired mysql user
- MYSQL_PASSWORD, the desired mysql user password

Then, the 'deploy.sh' script under the directory 'validation/docker/mysql' (refer to subsection 2.1) must be run using the following commands (substitute the info between the brackets with the aforementioned needed data):

```
$ cd validation/docker/mysql
$ ./deploy.sh --MYSQL_ROOT_PASSWORD <mysql root user password> --MYSQL_USER <mysql user> --MYSQL_PASSWORD <mysql
akraino user password
```

In order for the IP of the MySQL docker container to be found, the following command should be executed:

```
$ docker inspect akraino-validation-mysql
```

1.2   Bluval UI

The Bluval UI docker image can be downloaded using the following command:

```
$ docker pull akraino/validation:ui-latest
```

In order to deploy it, the following data is needed:

- DB_IP_PORT, the IP and port of the mysql instance (refer to subsection 2.1). The default port of MySQL is 3306
- MYSQL_USER, the mysql user (refer to subsection 2.1)
- MYSQL_PASSWORD, the mysql user password (refer to subsection 2.1)
- NEXUS_PROXY, the needed proxy in order for the Nexus server to be reachable, default value is none. If no proxy is needed, this variable should not be used
- CERTDIR, the directory where the SSL certificates can be found
- ENCRYPTION_KEY, the key that should be used by the AES algorithm for encrypting passwords stored in database
- UI_ADMIN_PASSWORD, the desired Blueprint Validation UI password for the admin user

Then, the 'deploy' script under the directory 'validation/docker/ui' (refer to subsection 2.1) must be run using the following commands (substitute the info between the brackets with the aforementioned needed data):

```
$ cd validation/docker/ui
$ ./deploy.sh --DB_IP_PORT <IP:port> --MYSQL_USER <mysql user> --MYSQL_PASSWORD <mysql user password> --
NEXUS_PROXY <URL of the proxy> --CETDIR <absolute path of the directory with the SSL certificates> --
ENCRYPTION_KEY <encryption key> --UI_ADMIN_PASSWORD <UI admin user password>
```

The value of the encryption key can be for example 'AGADdG4D04BKm2IxIWEr8o=='.

The Bluval UI should be available in the following URL:

```
https://<IP of the Bluval UI container>
```

2   Appendix

2.1   Download Bluval UI source code

In order to download the Bluval UI source code, the following command should be executed

```
$ git clone "https://gerrit.akraino.org/r/validation"
```

Then, this code can be found under the 'ui' directory.