Cognizant CIQDashboard INSTALLATION GUIDE WINDOWS OS

Version 3.1

Contents

About this Installation Guide			
About Cognizant® CIQDashboard			
Product Over	rview	5	
Hardware Requirements 6			
Software Requirements			
Binaries/Setup Files			
Installation Procedure in Windows OS			
Mongo DB Co	onfiguration	9	
1.1.1. I	Installing Mongo DB	9	
1.1.2.	Authenticating Mongo DB	9	
1.1.3.	Validating Admin DB in RoboMongo1	2	
1.1.4.	Configuring MongoDB for CIQDashboard1	5	
Configuration	n of CIQDashboard1	5	
1.1.5. E	Encrypt Password1	5	
1.1.6. E	Execute ciqdashboard-api-0.0.1.jar1	7	
1.1.7. E	Execute auth-api-3.0.0.jar1	9	
1.1.8. E	Execute Collectors to extract data for data sources2	0	
1.1.9.	NGINX Configuration2	3	
1.1.10.	Apache server Configuration2	5	
FAQs	2	8	

Legal Notice

These materials have not been published and are not available to the general public because they are proprietary to Cognizant and contain Cognizant confidential and/or trade secret information, including without limitation the descriptions of features, functions, methods, techniques and technical concepts contained herein. These materials may also contain information covered by U.S. and/or foreign patents or patent applications. Use, distribution or copying of these materials, in whole or in part, is forbidden, except with Cognizant's express prior written permission.

The documentation is provided "as is" and all express or implied conditions, representations and warranties, including any implied warranty of merchantability, fitness for a particular purpose or non-infringement, are disclaimed, except to the extent that such disclaimers are held to be legally invalid. Cognizant shall not be liable for any incidental or consequential damages in connection with the furnishing, performance, or use of this documentation. The information contained in this documentation is subject to change without notice.

Cognizant® and Cognizant® CIQDashboard are either registered trademarks or trademarks of Cognizant in the United States and other countries. Other trademarks referenced herein are the property of their respective owners.

About this Installation Guide

The Cognizant® CIQDashboard Installation Guide, provides help to install CIQDashboard Server in your system. It guides you through the steps to install and uninstall the CIQDashbaord software, and provides instructions for completing the minimal configuration required to start creating dashboards. In addition, it provides troubleshooting information during or post-installation of the software.

The installation guide consists of the following chapters:

Chapter Name	Description
About Cognizant® CIQDashboard	Provides information about CIQDashboard
<u>Hardware Requirements</u>	Provides an overview about required hardware
	configuration
Software Requirements	Provides an overview about prerequisites for
	installing Cognizant CIQDashboard
Binaries/Setup Files	Provides information on the required
	binaries/setup files
Installation Procedure in Windows OS	Provides procedure to install Cognizant
	CIQDashboard
<u>Uninstallation Procedure</u>	Provides procedure to uninstall Cognizant
	CIQDashboard
FAQs	Provides answers to a list of commonly asked
	questions regarding Cognizant CIQDashboard

About Cognizant® CIQDashboard

This chapter consists:

• Product Overview

Product Overview

Intelligent Dashboard (CIQDashboard) is a data visualization solution, designed to transform data reporting into interactive business intelligence dashboards.

Hardware Requirements

The following table lists the hardware requirements for CIQDashboard:

Туре	Description
Operating System	Windows XP and above
Processor	64-bit multi-core
RAM	Minimum: 8 GB; Recommended: 16 GB
HDD	100 GB of available space (can increase based on volume of data gathered from the client)
Monitor	Resolution of 1024x768 or greater

Software Requirements

The following table lists the software prerequisites for CIQDashboard and in a Windows Operating System:

Software	Download Link
Java JDK	https://www.oracle.com/java/technologies/javase-jdk11-
	downloads.html
	Required version: 11
NGINX	http://nginx.org/en/download.html (Stable)
	Required version: 1.18 or above
MongoDB	https://www.mongodb.com/try/download/community
	Required version: 4.0 or above
Robo 3T	https://robomongo.org/download
	Required version: 1.4 or above



Cognizant® strongly recommends that the MongoDB instance provided by the customer should be configured to enable encryption at rest. Please refer,

 $\underline{\text{https://docs.mongodb.com/manual/core/security-encryption-at-rest/}} \text{ for more information.}$

Admin or Power Broker privileges are required to install MongoDB and run Nginx Server

Binaries/Setup Files

- 1. Please download the binaries from CIQDashboard Team. You can reach the **CIQDashboard Team** for latest binaries/setup files.
- 2. Create a new folder in a drive (**Example:** C:\ciqdashboard\ciqdashboard_deployment\binaries) or use any existing folder



The path and the folder names mentioned, are only an example and are not mandatory to be the same

Installation Procedure in Windows OS

This chapter provides procedural information for installing the CIQDashbaord application in Windows OS.

Mongo DB Configuration

This section describes the steps to install Mongo DB and set up the server.

1.1.1. Installing Mongo DB

Follow the steps below after downloading the software. Refer the section <u>Software Prerequisites</u> for downloading Mongo DB.

- 1. In Windows Explorer, locate the downloaded MongoDB.msi file.
- 2. Double-click the .msi file. A set of screens appear to guide you through the installation process

1.1.2. Authenticating Mongo DB

Follow the steps below to authenticate Mongo DB server.

Start Mongo Server in Normal Mode:

- 1. Create a folder with name: mongoDB_Data** in C:\'.
- Open the command prompt (run as administrator), type C:\Program
 Files\MongoDB\Server\4.0\bin and press Enter. The folder path opens in the Command Prompt windows.
- In the command prompt, type mongod --dbpath c:\mongoDB_Data and press Enter. The
 Mongo server starts in normal mode.

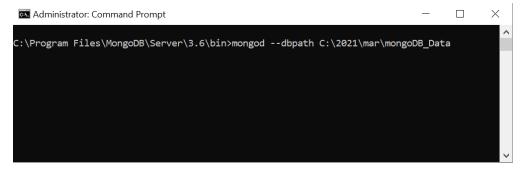


Figure 1: Administrator Command Prompt



The path and the folder names mentioned, are only an example and are not mandatory to be the same

Open Mongo Shell:

In the Command Prompt, navigate to the **bin** folder of the Mongo installation, type **mongo** and press **Enter**. The Mongo shell opens in the same command prompt.

```
Administrator: Command Prompt - mongo
                                                                                  \times
:\Program Files\MongoDB\Server\3.6\bin>mongo
NongoDB shell version v3.6.4-rc0
connecting to: mongodb://127.0.0.1:27017
MongoDB server version: 3.6.4-rc0
Server has startup warnings:
2021-03-12T19:00:48.828+0530 I CONTROL
                                  [initandlisten]
                                  [initandlisten] ** WARNING: Access control is not enabled for
2021-03-12T19:00:48.828+0530 I CONTROL
the database.
Read and write access to data and
configuration is unrestricted.
2021-03-12T19:00:48.829+0530 I CONTROL
                                  [initandlisten]
2021-03-12T19:00:48.829+0530 I CONTROL
                                  [initandlisten] ** WARNING: This server is bound to localhost.
Remote systems will be unable to o
onnect to this server.
Start the server with --bind_ip <a
ddress> to specify which IP
addresses it should serve response
s from, or with --bind_ip_all to
bind to all interfaces. If this be
havior is desired, start the
                                  [initandlisten] **
021-03-12T19:00:48.830+0530 I CONTROL
                                                           server with --bind ip 127.0.0.1 to
disable this warning.
2021-03-12T19:00:48.831+0530 I CONTROL
                                  [initandlisten]
2021-03-12T19:00:48.831+0530 I CONTROL [initandlisten]
2021-03-12T19:00:48.831+0530 I CONTROL [initandlisten] ** WARNING: The file system cache of this mach
ine is configured to be greater than 40% of the total memory. This can lead to increased memory pressu
re and poor performance.
2021-03-12T19:00:48.832+0530 I CONTROL [initandlisten] See http://dochub.mongodb.org/core/wt-windows-
system-file-cache
2021-03-12T19:00:48.832+0530 I CONTROL [initandlisten]
```

Figure 2: Mongo

Creating Admin User and Password:

1. In the mongo command prompt, type **use admin**. The DB switches to admin



Figure 3: use admin

2. To create admin user credentials and add it to the DB, type the command as:

db.createUser({ user: "admin", pwd: "adminpassword", roles: [{ role: "root", db: "admin" }]})

Figure 4: Admin user

 To check if the user credential is authenticated, in the mongo command prompt, type: db.auth("admin", "admin password"). The command returns with value 1 for successful authentication.

Create Custom DB and its Users:

Follow the steps below in mongo command prompt to create custom DB and its users.

- 1. Type the command: use ciqdasboard_prod. The DB switches to ciqdashboard_prod.
- 2. Type the command: db.sample.save({username:"root"})
- 3. Type the command:

```
db.createUser({ user: "ciqdashboard", pwd: "ciqdashboard", roles: [{ role: "readWrite", db:
    "ciqdashboard_prod" }] })
```

Figure 5: ciqdashboard_prod



Db, user, and password mentioned are only an example and are not mandatory to be the same.

1.1.3. Validating Admin DB in RoboMongo

The authenticated admin DB can be validated using **RoboMongo** tool, which is Mongo shell UI. To validate:

Open Robo 3T – 1.4. Click File -> Manage Connections. The Mongo DB Connections pane appears

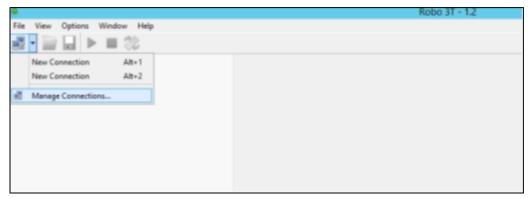


Figure 6: Manage connections

2. In Mongo DB Connections pane, click Create. The Connection Settings pane appears.

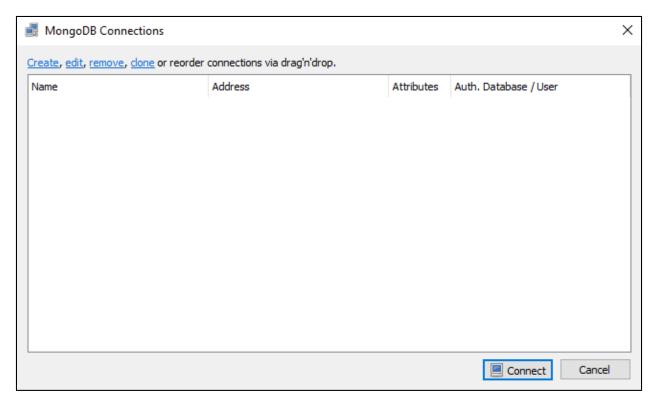


Figure 7: Create

3. In the **Connection Settings** pane, click **Connection** tab.

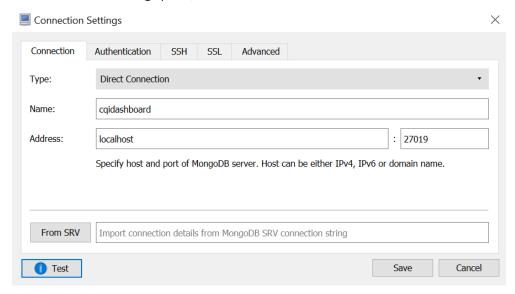


Figure 8: Connection

- 4. In Name, type a name for the connection you are creating.
- 5. In **Address**, type the host address and the port.
- 6. Click Authentication tab. The Authentication pane appears.

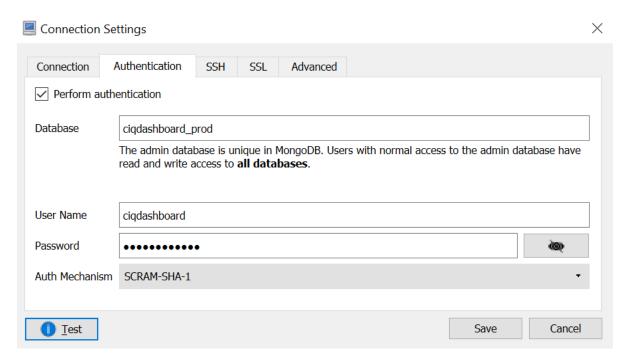


Figure 9: Authentication

- 7. In Database, type ciqdashboard_prod (db created in Create Custom DB and its Users)
- In the User Name and Password fields, type the username and password created for admin database in Mongo shell.
- From the Auth Mechanism drop-down, select SCRAM-SHA-1. The Diagnostic pop-up appears, displaying the connection and authorization status.

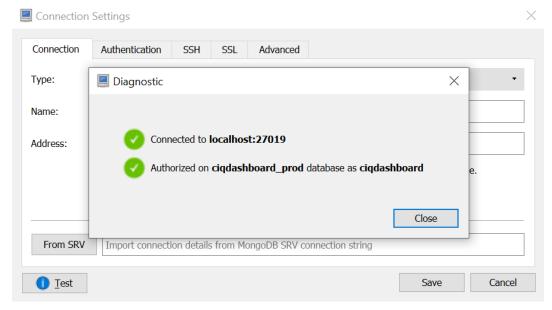


Figure 10: Diagnostic

1.1.4. Configuring MongoDB for CIQDashboard

- 1. Create a new folder in a drive (Example: C:\ciqdashboard\ciqdashboard_deployment\binaries)
- 2. In the created folder, place all the binaries (Refer the section Binaries/Setup Files)
- 3. Copy the content of ciqdashboard-mongo-base-db.js in Robo 3T shell in ciqdashboard database (db created in Create Custom DB and its Users)
- 4. Click Execute



The path and the folder name mentioned, are only an example and are not mandatory to be the same

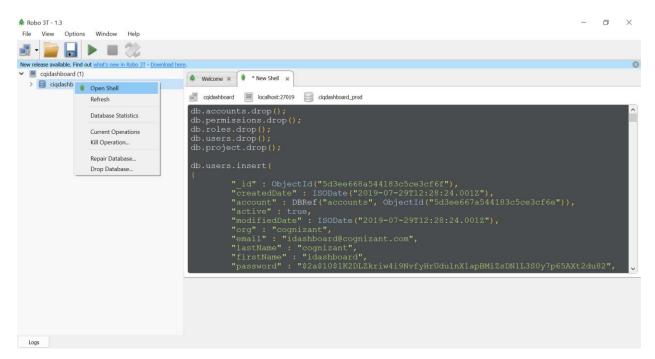


Figure 11: Execute



To start the Mongo in Authentication Mode, stop Mongo opened in Normal mode and run the command: mongo –auth–dbpath c:\mongoDB_Data

Configuration of CIQDashboard

This section describes the steps to configure CIQDashboard.

1.1.5. Encrypt Password

 The jasypt-1.9.3-dist.zip utility bundled with CIQDashboard binaries (Refer the section Binaries/Setup Files), encrypts the passwords

- 2. Unzip the jasypt-1.9.3-dist.zip file.
- 3. In command prompt navigate to the folder jasypt-1.9.3
- 4. Run the below command in command prompt (input =ciqdashboard, password=ciqdashboardSecurityKey):

java-cp lib/jasypt-1.9.3.jar org.jasypt.intf.cli.JasyptPBEStringEncryptionCLI password=ciqdashboardSecurityKeyalgorithm=PBEWITHHMACSHA512ANDAES_256 input=ciqdashboard ivGeneratorClassName=org.jasypt.iv.RandomIvGenerator



Input is the password that requires encryption and password is the secret key.

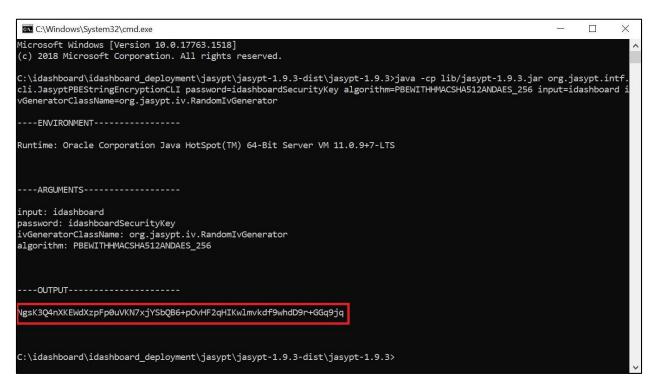


Figure 12: Output

- 5. The output is the encrypted key, copy and save the key.
- 6. Encode the security key (ciqdashboardSecurityKey aWRhc2hib2FyZFNIY3VyaXR5S2V5) with https://www.base64encode.org/ and pass it in the command line as -- jasypt.encryptor.password=<encoded_jasypt_pass>

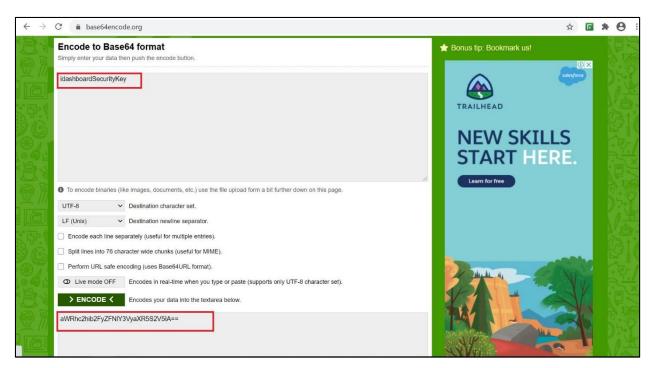


Figure 13: Encode

7. Pass generated encrypted key (application keys - mongodb, collector applications) in the command line. **Example:** ``--spring.data.mongodb.credents=ENC(<ecrypted_key>)`` as encypted value.

1.1.6. Execute cigdashboard-api-0.0.1.jar

Open the command prompt and navigate to bin folder (Refer the section <u>Binaries/Setup Files</u>)
java -jar ciqdashboard-api-0.0.1.jar --spring.data.mongodb.credents=ENC(<ecrypted_key>) -jasypt.encryptor.password=<encoded_jasypt_pass>

```
Microsoft Windows [Version 10.0.17763.1518]

(c) 2018 Microsoft Corporation. All rights reserved.

C:\idashboard\idashboard_deployment\bin>java -jar idashboard-api-2.0.0.jar --spring.data.mongodb.credents=ENC(NgsK3Q4nXKEWdXzpFp0uVKN7x;)YSbQ86+pOvHF2qHIKwlmvkdf9whdD9r+GGq9jq) --jasypt.encryptor.password=aWRhc2hib2FyZFN1Y3VyaXR5S2V5
```

Figure 14: ciqdashboard api jar

2. Validate the port that ciqdashboard-api is listening (Refer the section NGINX Configuration, to validate the port in nginx.conf file)

Figure 15: Validate

1.1.7. Execute auth-api-3.0.0.jar

Open the command prompt and navigate to bin folder (Refer the section Binaries/Setup Files)
java -jar auth-api-3.0.0.jar --spring.data.mongodb.credents=ENC(ecrypted_key) -jasypt.encryptor.password=<encoded_jasypt_pass>

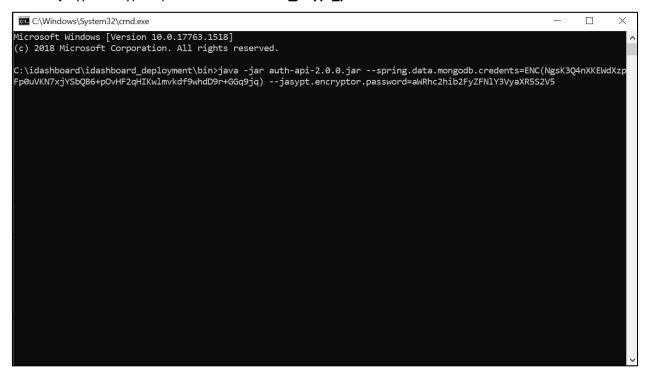


Figure 16: auth api jar

2. Validate the port that **auth-api** is listening (Refer the section <u>NGINX Configuration</u>, to validate the port in **nginx.conf** file)

```
🚾 C.\Windows\System32\cmd.exe - java -jar auth-api-3.0.0.jar --spring.data.mongodb.credents=ENC(F9PtGHpuRdRWBb9waoP9GZqPUZYMHHWom9MKJcfqn+v9Vy...
              public void initIndicesAfterStartup()
                    IndexOperations indexOps = mongoTemplate.indexOps(DomainType.class);
                    IndexResolver resolver = new MongoPersistentEntityIndexResolver(mongoMappingContext);
                    resolver.resolveIndexFor(DomainType.class).forEach(indexOps::ensureIndex);
2020-11-11 13:42:32.468 INFO 5460 --- [
lue:2, serverValue:180}] to localhost:27017
2020-11-11 13:42:32.719 INFO 5460 --- [
                                                                                                                                           : Opened connection [connectionId{localVa
                                                                        main] org.mongodb.driver.connection
                                                                        main] c.c.a.base.config.GlobalConfiguration
                                                                                                                                           : proxy type : DIRECT
2020-11-11 13:42:32.720 INFO 5460 ---
2020-11-11 13:42:32.784 INFO 5460 ---
                                                                        main] c.c.a.base.config.GlobalConfiguration
                                                                                                                                            : loading whitelists - {}
                                                                        main] c.c.a.base.services.WhiteListService
                                                                        main] c.c.a.base.config.SecurityConfiguration : configure(HttpSecurity): Processing main] o.s.s.web.DefaultSecurityFilterChain : Creating filter chain: any request, [c
2020-11-11 13:42:33.016 INFO 5460 ---
2020-11-11 13:42:33.062 INFO 5460 ---
 s.springframework.security.web.context.request.async.WebAsyncManagerIntegrationFilter@1948ea69, org.springframework.security.web.contex
curityContextPersistenceFilter@1dbb650b, org.springframework.security.web.header.HeaderWriterFilter@52ba524, org.springframework.security
web.authentication.logout.LogoutFilter@54f66455, com.cognizant.authapi.base.filters.JwtAuthenticationFilter@3a095ec0, org.springframework.
web.authentication.logout.logout.logout.eughapa-se, com.cognizant.authapi.base.filters_JwtAuthenticationFilter@sad>sec, org.springFramework.security.web.servletapi.SecurityContextHolderAwareRequestFilter@Tb7b3edb, org.springframework.security.web.authentication.AnonymousAuthenticationFilter@47e4d9dd, org.springframework.security.web.session.SessionManagementFilter@7e7f0f0a, org.springframework.security.web.access.ExceptionTranslationFilter@78e89bfe, org.springframework.security.web.access.intercept.FilterSecurityInterceptor@7c6442c2]
2020-11-11 13:42:33.226 INFO 5460 --- [
                                                                        main] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicati
onTaskExecutor'
2020-11-11 13:42:34.273 INFO 5460 --- [
                                                                        main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 2020 (http)
 with context path
2020-11-11 13:42:34.279 INFO 5460 --- [
                                                                        main] c.cognizant.authapi.AuthApiApplication : Started AuthApiApplication in 5.432 se
 onds (JVM running for 6.099)
```

Figure 17: Validate



- To change the port, use -server.port=<port-number>
- To change the db name, use -- spring.data.mongodb.uri= mongodb://<username>:\${spring.data.mongodb.credents}@localhost/<databasename>

1.1.8. Execute Collectors to extract data for data sources

- Encrypt the password/tokens using jasypt library. Refer the section <u>Encrypt Password</u> and use the below commands to run the respective collectors
- Open the command and navigate to respective collector jar files (Refer the section Binaries/Setup Files)

Jenkins

java -jar ciqdashboard-data-collector-jenkins-0.0.1.jar -spring.data.mongodb.credents=ENC(NgsK3Q4nXKEWdXzpFp0uVKN7xjYSbQB6+pOvHF2qHIKwlm
vkdf9whdD9r+GGq9jq) --jasypt.encryptor.password=aWRhc2hib2FyZFNIY3VyaXR5S2V5 -jenkins.url=<Jenkins-url> --jenkins.username=<username> --jenkins.token= ENC (<encrypttoken>)

GITHUB

 java -jar ciqdashboard-data-collector-github-0.0.1.jar -spring.data.mongodb.credents=ENC(NgsK3Q4nXKEWdXzpFp0uVKN7xjYSbQB6+pOvHF2qHIKwlm vkdf9whdD9r+GGq9jq) --jasypt.encryptor.password=aWRhc2hib2FyZFNIY3VyaXR5S2V5 -- github.url=https://api.github.com --github.token= ENC(<encrypt-token>)

GITLAB

java -jar ciqdashboard-data-collector-gitlab-0.0.1.jar -spring.data.mongodb.credents=ENC(NgsK3Q4nXKEWdXzpFp0uVKN7xjYSbQB6+pOvHF2qHIKwlm
vkdf9whdD9r+GGq9jq) --jasypt.encryptor.password=aWRhc2hib2FyZFNIY3VyaXR5S2V5 -gitlab.url=<gitlab-url> --gitlab.token= ENC(<encrypt-token>)

Artifactory

java -jar ciqdashboard-data-collector-artifactory-0.0.1.jar -spring.data.mongodb.credents=ENC(NgsK3Q4nXKEWdXzpFp0uVKN7xjYSbQB6+pOvHF2qHIKwlm
vkdf9whdD9r+GGq9jq) --jasypt.encryptor.password=aWRhc2hib2FyZFNIY3VyaXR5S2V5 -artifactory.url=<atifactory-url> --artifactory.token== ENC(<encrypt-token>) -artifactory.username=<username>

JIRA

java -jar ciqdashboard-data-collector-jira-0.0.1.jar -spring.data.mongodb.credents=ENC(NgsK3Q4nXKEWdXzpFp0uVKN7xjYSbQB6+pOvHF2qHIKwlm
vkdf9whdD9r+GGq9jq) --jasypt.encryptor.password=aWRhc2hib2FyZFNIY3VyaXR5S2V5 -jiraServer.url=http://<jiraServer-url>/rest/api/latest --jiraServer.username=<username> -jiraServer.password=ENC(<encrypt-password>)

Microfocus ALM

• java -jar ciqdashboard-data-collector-alm-0.0.1.jar -spring.data.mongodb.credents=ENC(NgsK3Q4nXKEWdXzpFp0uVKN7xjYSbQB6+pOvHF2qHIKwlm vkdf9whdD9r+GGq9jq) --jasypt.encryptor.password=aWRhc2hib2FyZFNIY3VyaXR5S2V5 -almServer.url=http://<alm-url>/qcbin --almServer.username=<username> -almServer.password= ENC(<encrypt-password>)

SONARQUBE

java -jar ciqdashboard-data-collector-sonarqube-0.0.1.jar -spring.data.mongodb.credents=ENC(NgsK3Q4nXKEWdXzpFp0uVKN7xjYSbQB6+pOvHF2qHIKwlm
vkdf9whdD9r+GGq9jq) --jasypt.encryptor.password=aWRhc2hib2FyZFNIY3VyaXR5S2V5 -sonarqube.url=<sonarcube-url> --sonarqube.username=<username> --sonarqube.token=
ENC(<encrypt-token>)

```
IndexOperations indexOps = mongoTemplate.indexOps(DomainType.class);
             IndexResolver resolver = new MongoPersistentEntityIndexResolver(mongoMappingContext);
             resolver.resolveIndexFor(DomainType.class).forEach(indexOps::ensureIndex);
11-11-2020 13:28:13.985 🛮 [35m[main] 🗗 [0;39m 🗗 [34mINFO 🗗 [0;39m org.mongodb.driver.connection.info - Opened connection [con
nectionId{localValue:2, serverValue:174}] to localhost:27017
11-11-2020 13:28:14.157 @[35m[main]@[0;39m @[31mWARN @[0;39m com.netflix.config.sources.URLConfigurationSource.<init> -
No URLs will be polled as dynamic configuration sources.
11-11-2020 13:28:14.157 🏿 [35m [main ] 🗗 [0;39m 🔻 [34m INFO ឋ [0;39m com.netflix.config.sources.URLConfigurationSource.<init>
To enable URLs as dynamic configuration sources, define System property archaius.configurationSource.additionalUrls or m
ake config.properties available on classpath.
11-11-2020 13:28:14.169 🏿 [35m [main ] 🗗 [0;39m ឋ [31mWARN ឋ [0;39m com.netflix.config.sources.URLConfigurationSource.<init>
No URLs will be polled as dynamic configuration sources.
11-11-2020 13:28:14.170 🏿 [35m[main] 🗗 [0;39m 🗷 [34mINFO 🗷 [0;39m com.netflix.config.sources.URLConfigurationSource.<init> -
To enable URLs as dynamic configuration sources, define System property archaius.configurationSource.additionalUrls or m
ake config.properties available on classpath.
11-11-2020 13:28:14.317 🛮 [35m[main] 🗷 [0;39m 🗷 [34mINFO 🗗 [0;39m org.springframework.scheduling.concurrent.ThreadPoolTaskSch
eduler.initialize - Initializing ExecutorService 'taskScheduler
11-11-2020 13:28:14.554 🛮[35m[main]ð[0;39m ð[34mINFO ð][0;39m com.cognizant.dashboard.collectors.jenkins.JenkinsCollector
Application.logStarted - Started JenkinsCollectorApplication in 3.676 seconds (JVM running for 4.218)
**********
11-11-2020 13:29:00.004 🛮 [35m[scheduling-1]월 [0;39m 🔻 [34mINFO 🗗 [0;39m com.cognizant.dashboard.collectors.jenkins.schedule
 .JobSchedulerImpl.beforeJob - Before Job process.....!
```

Figure 18: Collectors

- 3. Run all the collectors and wait for the scheduler to complete the job.
- 4. After running the collectors, refresh the database and verify the collectors.

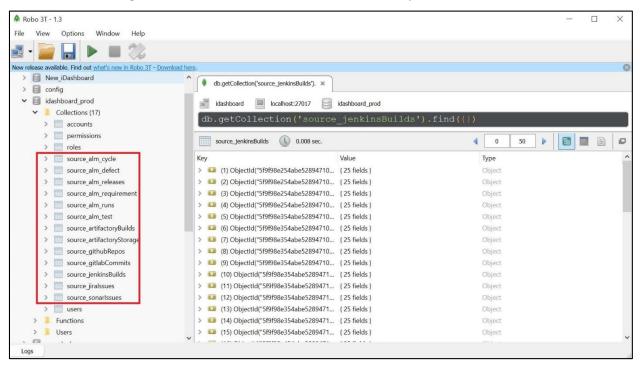


Figure 19: Refresh and verify



Jasypt.encryptor.password as in step no: 6 of the section Encrypt Password

1.1.9. NGINX Configuration

Follow the steps below after downloading the software. Refer the section <u>Software Requirements</u> for downloading NGINX.

- 1. Extract to any folder (Example: C:\ Drive)
- 2. From binaries(Refer the section <u>Binaries/Setup Files</u>)->nginx, open ciqdashboard.conf file, copy the entire available content and paste it in nginx_folder->conf->nginx.conf

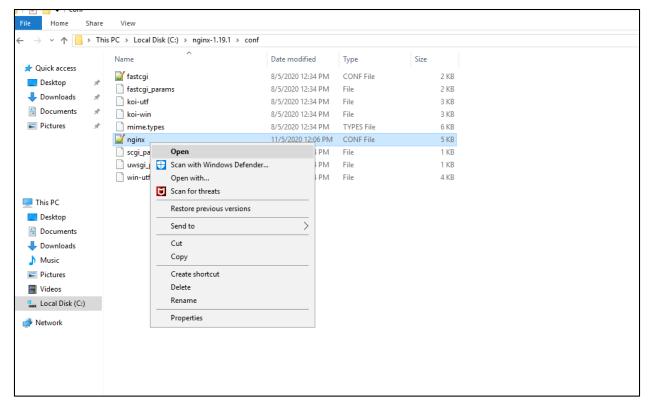


Figure 20: ngnix.conf

Edit the UI binaries path in nginx.conf file and change the listen port to 2022

Figure 21: listen port

Open the command prompt as Administrator. Navigate to **nginx folder** path extracted in **C**: **drive** and use command: **start nginx** to start the UI.

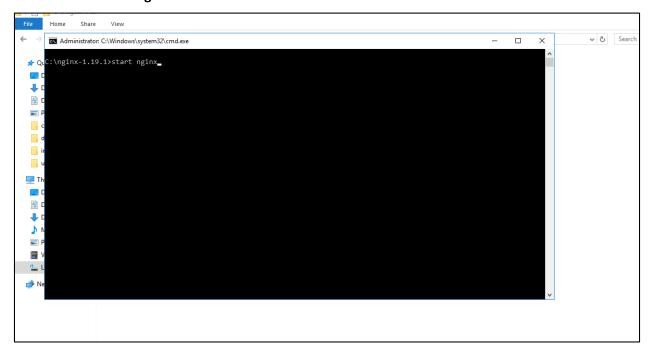


Figure 22: start nginx

Open http://localhost:2022/ui to access CIQDashboard. Replace localhost with IP, to access from different machine/network

1.1.10. Apache server Configuration

Follow the steps below after downloading the software. Refer the section <u>Software Requirements</u> for downloading Apache Server

- 1. Extract to any folder (Example: C:\ Drive)
- From binaries (Refer the section <u>Binaries/Setup Files</u>)->apache, open ciqdashboard.conf file, copy the entire available content and paste it in apache_folder->conf->httpd.conf

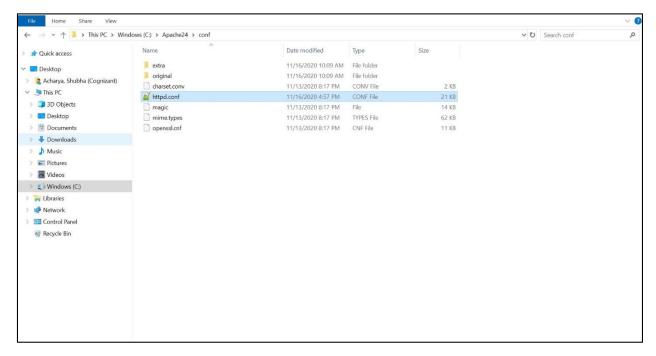


Figure 23: httpd.conf

- 3. Open a command prompt window and cd to the c:\Apache24\bin folder.
- 4. To Start Apache in the command prompt type: >httpd.exe
- 5. You can test your installation by opening up your Browser and typing in the address: http://localhost
- 6. You can shut down Apache by pressing Ctrl+C (It may take a few seconds)
- 8. You can start/stop the service with the command: >services.msc

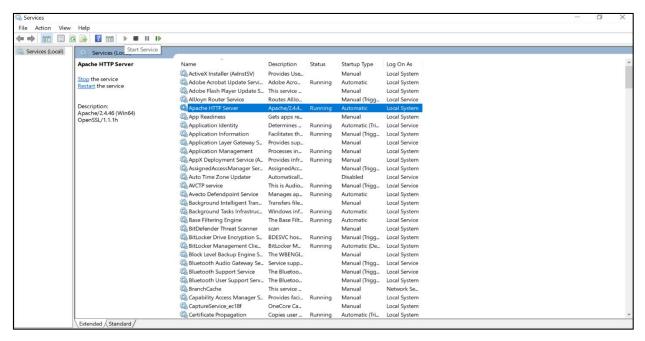


Figure 24: services.msc

9. Place the UI binaries in to C:\Apache24\htdocs folder

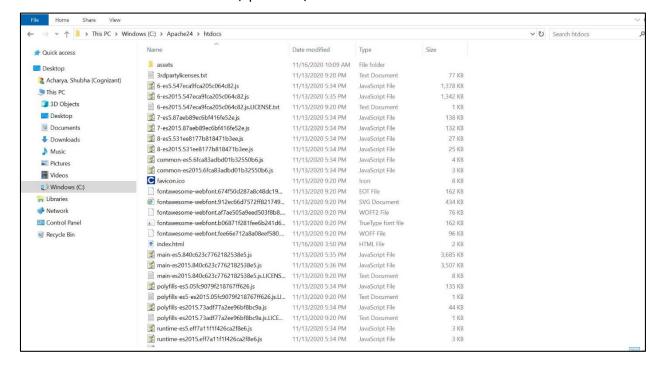


Figure 25: htdocs

10. Change the port number in **httpd.conf** if there is any change in port number.

Cognizant® CIQDashboard Installation Guide

Figure 26: httpd.config

11. Start the server. Open http://localhost to access CIQDashboard. Replace localhost with IP, to access from different machine/network

FAQs

- How to change the default port?
 To change the default port, use --server.port=<port-number>. (Refer section <u>6.2.2</u> and <u>6.2.3</u>)
- 2. How can I change the database name?
 To change the db name, use -- spring.data.mongodb.uri
 mongodb://<username>:\${spring.data.mongodb.credents}@localhost/<database-name> =
 (Refer section 6.2.2, 6.2.3 and 6.2.4)
- 3. How to schedule the collectors?
 By default, the scheduler runs for every minute. To change the scheduler time, use -- scheduler.cron = <time in cron expression>. To know more about cron expression, refer https://docs.oracle.com/cd/E12058_01/doc/doc.1014/e12030/cron_expressions.htm