



cQube

Release Notes

Release Version 1.1

29 June 2020

Document Release Version

Project	Release Date	Release Version
cQube Analytics Product	29 June, 2020	V 1.1

1. Objectives of the cQube release 1.1

cQube V 1.1 release, as an upgrade to the cQube release 1.0. This release adds a new report, faster and improved report viewing capability with increased admin functionalities.

2. Scope

cQube product release features and issues are described in this version 1.0 of the document.

1

3. Summary of the Product Features

This document contains information on the following enhancements and features of the cQube product:

1. Infrastructure reports
2. Initialization stage implementation
3. Improvements in CRC report performance
4. Grafana dashboard
5. Admin login separation
6. Admin configuration screens
7. Nifi duplicate validation
8. Common API

4. Description of the Product Features

1. Infrastructure reports

[CQB-276](#), [CQB-277](#), [CQB-278](#), [CQB-279](#), [CQB-280](#), [CQB-281](#), [CQB-282](#), [CQB-283](#), [CQB-284](#)

Sl No.	Feature	Description	Roles Impacted
1	Map Report	State, District, Block, Cluster, and school level infrastructure details are displayed in the maps based on the user's selection.	Admin, Report viewer users
2	Color Gradient	The color gradient on the map shows the infrastructure availability percentage levels of the schools. Red shows lowest availability and green shows highest availability.	Admin, Report viewer users

3	Drill Down Functionality	A hierarchical drill down functionality from state level to school level is available and can be accessed by clicking on the individual dots in the map.	Admin, Report viewer users
4	User selection functionality	District-wise, Block-wise and Cluster-wise reports are displayed based on the user's selection.	Admin, Report viewer users
5	Download metrics data	Download functionality for the report metrics is available at various levels like the district, block and cluster levels.	Admin, Report viewer users
6	Time series Functionality	Reports will be generated based on the selected month and the year	Admin, Report viewer users
7	Workflow	Infrastructure data reports have been prepared for the available historical data.	

2. Initialization stage implementation - Infrastructure

[CQB-338](#), [CQB-339](#), [CQB-340](#), [CQB-341](#)

No.	Feature	Description	Roles Impacted
1	Nifi initialization stage validation	Nifi Validations have been implemented for the initialization process	
2	Nifi process	Nifi process has been implemented for the initialization stage	
3	Data modelling	Infrastructure data modelling for the initialization stage implementation	
4	UI screen implementation	UI screen has been developed and implemented	

3. Improvement in CRC report performance

[CQB-342](#), [CQB-343](#), [CQB-344](#), [CQB-345](#)

No.	Feature	Description	Roles Impacted
1	Nifi processors	Implementation of nifi processors for improvement in CRC performance	
2	CRC Queries	CRC Queries update after nifi processor improvement	

4. Grafana Dashboard

[CQB-328](#)

No.	Feature	Description	Roles Impacted
1	Nifi memory usage.	The memory usage by nifi is continuously displayed and updated	
2	Data size processing	The total number of data files that have been processed and their size is calculated and displayed	
3	Record count	Record count of the processing data Log files	
4	CPU & RAM usage & Disk storage details	Details of CPU and RAM usage and disk storage details	
5	Prometheus	Prometheus code has been developed for api	

Admin Login Separation

[CQB – 351](#)

No.	Feature	Description	Roles Impacted
1	VPN login	Admin can login using VPN and has a separate login from regular user. This improves the security.	Admin
2	UI screen	There is a different login screen for the admin user.	Admin

Admin configuration screens

[CQB-329](#)

No.	Feature	Description	Roles Impacted
1	Admin configuration functionality	Functionality for admin monitoring screen, view logs link, backup and restore button	Admin
2	UI development	New screens have been provided for the admin configuration functionality	Admin

Common API

[CQB-378](#)

No.	Feature	Description	Roles Impacted
1	Log files API	A common API has been generated for all the log files	
2	S3 input bucket API	A common API has been generated for the S3 input bucket data	
3	S3 output bucket API	A common API has been generated for the S3 output bucket (both for report creator and admin user)	
4	API for List of documents	A common API has been generated to view the list of all the documents	

5. Known Issues:

This is a section that describes all the known issues/ bugs that are present in the cQube product and they have been reported as being a part of this release.

SI No	Component	Issues
1	Installation	After Installation is successful, a new S3 emission bucket is created. The new S3 emission bucket does not accept data immediately. It takes a minimum of two hours to start the emission. Further R&D is planned to find a solution for this. CQB-325