

	Where		Why	How to resolve	
Error message	Error Location	Error type	Error identification (Cause)	Probable resolution	
<b>cQube_Base_Installation</b>					
Error - <base_dir> Please enter the absolute path or make sure the directory is present.	Console	Base directory path (Folder path on AWS machine where main cQube code will reside) is incorrect	Base directory is incorrect in config.yml file	1. Check the path of base directory e.g. //cQube/sanjeev/local/ 2. Check read/write permissions 3. Clone the code at a different location	
Error - Please enter either true or false for <keycloak_config_otp>	Console	When keycloak_config_otp value is not either true or false	if keycloak_config_otp is not either true or false in config.yml file	1. Check keycloak_config_otp value is either true or false 2. make sure value must be small case 3. If the above are correct then contact cQube team	
Error - Minimum Memory requirement to install cQube is 32GB. Please increase the RAM size.	Console	when System memory is less than 32GB	If the server Ram size is below 32 GB	1. Increase the Server RAM size to 32 GB or above 2. Contact cQube team	
Error - Please check the system_user_name.	Console	when system_user_name in config file is filled wrong	If the system_user_name in config.yml file wrong	1. Make sure system_user_name is not empty 2. Check system_user_name is correct or not 3. The system_user_name field is case sensitive. Check whether in small case or not. 4. If the above are correct then contact cQube team	
Error - Invalid value for <local_ipv4_address>. Please enter the local ip of this system	Console	when local_ipv4_address is filled wrong in config file	if the local_ipv4_address is wrong in config.yml file	1. Make sure the local_ipv4_address is not empty 2. Check local_ipv4_address is correct or not 3. If the above are correct then contact cQube team	
Error - Invalid aws access or secret keys	Console	when aws access key or secret keys are invalid	If the the user not fill the access key/Secret key in config.yml	1. Make sure the access key/Secret key is not empty 2. Check access key/Secret key is correct or not. And check the access key/Secret key belongs to same account or not. 3. If the above are correct then contact cQube team	
Error - [ <s3_input/output/emission_bucket>: <s3_input/output/emission_bucket value>] Bucket not owned or not found. Please change the bucket name in config file	Console	when bucket not owned or not found	if the user not fill the s3_input/output/emission_bucket name in config.yml	1. Make sure the s3_input/output/emission_bucket name is not empty 2. Check s3_input/output/emission_bucket name is correct or not. And check the s3_input/output/emission_bucket name is unique. 3. If the above are correct then contact cQube team	
Error - There is a problem reaching the aws default region. Please check the <aws_default_region> value	Console	when the aws region is specified wrong in the config file	if the user not fill the aws_default_region in config.yml	1. Make sure the aws region is not empty 2. Check aws_default_region value is correct or not 3. If the above are correct then contact cQube team	
Error - Please provide the proper api endpoint for <api_endpoint>	Console	when the api point is not specified properly in config file	if the user not fill the api_endpoint in config.yml	1. Make sure api_endpoint is not empty 2. check api_endpoint is correct or not 3. If the above are correct then contact cQube team	
Error - FQDN exceeding 255 characters. Please provide the proper api endpoint for api_endpoint";	Console	when the api end point is not meeting the specified requirements	if the user not fill proper api_endpoint in config.yml	1. Make sure the entered api_endpoint is correct 2. If the above are correct then contact cQube team	
Error - Please provide the proper api endpoint for <api_endpoint>"	Console	when the api end point is not meeting the specified requirements	if the user not fill the api_endpoint in config.yml	1. Make sure api_endpoint is not empty 2. check api_endpoint is correct or not 3. If the above are correct then contact cQube team	
Error - <DB password> should contain atleast one uppercase, one lowercase, one special character and one number. And should be minimum of 8 characters	Console	when data base passwords do not meet the defined standards	when data base passwords do not meet the defined standards	1. Make sure to provide the db_password value should be under defined standards mentioned in config.yml/upgradation_config.yml	
Error - Length of the value <db_name/db_user> is not correct. Provide the length between 3 and 63.	Console	when db name or db username is exceeding the number of characters specified	when db name or db username is exceeding the number of characters specified	1. Make sure to provide the db_name/db_user value length between 3 and 63 in config.yml/upgradation_config.yml	
Error - Naming convention is not correct. Please change the value of <db_name/db_user>	Console	when the db name or db username is not according to the defined standards	when the db name or db username is not according to the defined standards	1. Make sure to enter the db_name and db_user as per the naming standards mentioned in config.yml/upgradation_config.yml	
Error - in <config file variable keys>. Unable to get the value. Please check	Console	when <config file variable keys> in not filled in config file	when <config file variable keys> in not filled in config file	1. Make sure to fill all <config file variable keys> in config.yml/upgradation_config.yml	
Error - cQube's constant settings are affected. Re-clone the repository again	Console	when. version file is changed/modified/deleted values	When .version file is not present When .version file's content is modified	1. Make sure git checkout worked properly without any error 2. If there is any problem checking out the branch, re clone the repository	
Error - Please run this script using sudo	Console	when user not using sudo privileges	when user not running script with sudo	Make sure user running script using sudo	added new_error

Error - config.yml is not available. Please copy config.yml.template as c	Console	when the config.yml not available	when the config.yml file not copied	1. Make sure the config.yml file is copied 2. Check config.yml file is not filled 3. If the above are correct then contact cQube team	added new_error
Error - Please run this script using normal user with 'sudo' privilege, no	Console	when user run the script with root	when user run this script as root user	Make sure user run script as sudo not with root user	added new_error
<b>cQube_Base_Upgradation</b>					
Error - Unable to check the Postgres	Console	when postgres was not accessible	If postgres credentials values entered in upgradation_config.yml	1. Make sure the postgres is running	
Error - Change in domain name. Please verify the api_endpoint	Console	when <api_endpoint> value entered in config file not same as previous installation	If api_endpoint value is changed in upgradation_config.yml when compared to previous installation	1. Enter the same value api_endpoint in upgradation_config.yml when cQube installed.	
Error - Invalid keycloak user or password	Console	when keycloak username or password are entered wrongly for the installed cQube	If keycloak credentials values entered in upgradation_config.yml are wrong	1. Make sure keycloak is running 2. Make sure entered keycloak credentials in upgradation_config.yml are correct	
Error - Since unable to check Postgres, credentials could not verify	Console	when postgres credentials are filled wrong	If postgres credentials values entered in upgradation_config.yml	1. Make sure the postgres is running	
Error - Invalid Postgres credentials	Console	when postgres credentials are filled wrong	If postgres credentials values entered in upgradation_config.yml are wrong	1. Enter the correct postgres credentials in upgradation_config.yml	
Error - Base directory should be same as previous installation directory	Console	when base_dir entered in config file not same as previous installation	If base_dir value entered in upgradation_config.yml are wrong when compared to the installation	1. Enter the same value for base_dir in upgradation_config.yml when cQube installed.	
Error - <db_name/db_user> should be same as previous installation	Console	when <db_name/db_user> entered in config file not same as previous installation	If <db_name/db_user> values entered in upgradation_config.yml are wrong when compared to the installation	1. Enter the same value for <db_name/db_user> in upgradation_config.yml when cQube installed.	
Error - <s3_input/output/emission_bucket> must be same as previously used bucket	Console	when <s3_input/output/emission_bucket> entered in config file not same as previous installation	If <s3_input/output/emission_bucket> values entered in upgradation_config.yml are wrong when compared to the installation	1. Enter the same value for <s3_input/output/emission_bucket> in upgradation_config.yml when cQube installed.	
Version <this_version> is only upgradeable from <version_upgradeable_from> Version	Console	when upgrade.sh executed again on same upgradation	When the installed version is not right behind the version you are trying to upgrade	1. Make sure you are right branch 2. Make sure the version upgradeable should be 1 version ahead of current version	
Error - Invalid base_dir or Unable to find the cQube in given base_dir	Console	when base_dir is given wrong in config file	When base_dir value is wrong in upgradation_config.yml	1. Make sure base_dir given is correct when the cQube installed	
<b>cQube_Workflow_Installation</b>					
Error - Unable to find cQube realm	Console	when cQube realm is not found in keycloak	If main realm deleted by keycloak admini, then this error will be shown	1. Go for Re-Installation 2. If still the same error then contact cQube team	
Error - <base_dir> Please enter the absolute path or make sure the directory is present.	Console	Base directory path (Folder path on AWS machine where main cQube code will reside) is incorrect	Base directory is incorrect in config.yml file	1. Check the path of base directory e.g. //cQube/sanjeev/local/ 2. Check read/write permissions 3. Clone the code at a different location	
Error - Please enter either udise or state for static_datasource	Console	When static_datasource value is not either udise or state in config.yml	When <static_datasource> value is not either udise or state in config.yml	1. Make sure static_datasource is not empty 2. check static_datasource value must be either udise or state 3. If the above are correct then contact cQube team	added new_error
Error - in management Unable to get the value. Please check	Console	when <management> is not filled in config file	when <management> value not entered in config.yml	1. Make sure management value not empty 2. check management value correct or not 3. If the above are correct then contact cQube team	added new_error
Error - in session_timeout please enter proper value as mentioned in comments	Console	when the <session_timeout> value is not according to	when the <session_timeout> is not according to the defined standards in config.yml	1. Make sure session_timeout is not empty 2. Check session_timeout entered value correct or not 3. If the above are correct then contact cQube team	added new_error
Error - Please enter either true or false for <diksha_columns>	Console	When diksha_columns value is not either true or false	if diksha_columns is not either true or false in config.yml file	1. Check diksha_columns value is either true or false 2. make sure value must be small case 3. If the above are correct then contact cQube team	added new_error
<b>cQube_Workflow_Upgradation</b>					
Error - <base_dir> Please enter the absolute path or make sure the directory is present.	Console	Base directory path (Folder path on AWS machine where main cQube code will reside) is incorrect	Base directory is incorrect in upgradation_config.yml file	1. Check the path of base directory e.g. //cQube/sanjeev/local/ 2. Check read/write permissions 3. Clone the code at a different location	added new_error

Error - State code should be same as previous installation. Please refer the state_list file	Console	when <state_code> entered in upgradation_config.yml file	when <state_code> entered in upgradation_config file not same as previous installation	1. Make sure state_code is not empty 2. Check state_code is correct or not. 3. Please refer the state_list file and enter the correct state	added new_error
Error - Please enter either udise or state for static_datasource	Console	When static_datasource value is not either udise or state in upgradation_config.yml	When <static_datasource> value is not entered in upgradation_config.yml	1. Make sure static_datasource is not empty 2. check static_datasource value must be either udise or state 3. If the above are correct then contact cQube team	added new_error
Error - in management Unable to get the value. Please check	Console	when management value not entered in upgradation_config.yml	when management value not entered in upgradation_config.yml	1. Make sure management value not empty 2. check management value correct or not 3. If the above are correct then contact cQube team	added new_error
Error - in session_timeout please enter proper value as mentioned in config.yml	Console	when the <session_timeout> value is not according to the defined standards in upgradation_config.yml	when the <session_timeout> value is not according to the defined standards in upgradation_config.yml	1. Make sure session_timeout is not empty 2. Check session_timeout entered value correct or not 3. If the above are correct then contact cQube team	added new_error
Error - Please enter either true or false for <diksha_columns>	Console	When diksha_columns value is not either true or false in config.yml file	if diksha_columns is not either true or false in config.yml file	1. Check diksha_columns value is either true or false 2. make sure value must be small case 3. If the above are correct then contact cQube team	added new_error

	Where		Why	How to resolve
Error message	Error Location	Error type	Error identification (Cause)	Probable resolution
ERROR: duplicate key value violates unique constraint "<tablename>_pkey"	Postgres logs in console	Duplicates record are in Input file even after validation (Primary key constraint violation of table XYZ)	When the primary key has same set of values for more than 2 records, the error will occur.	The error mostly occurs while updating to aggregation tables, due to inconsistency/mapping issues in the data. The data needs to be mapped correctly to eliminate this issue.
ERROR: null value in column "XYZ" violates not-null constraint	Postgres logs in console	Null value records are in Input file even after NULL validation for column XYZ	When an required field has null value in the data file.	Null values need to be removed from the data file
ERROR: deadlock detected: DETAILS: Process 21601 waits for ShareLock on transaction 89371; blocked by process 21603	Postgres logs in console	DEADLOCK situation because process 21601 is waiting until process 21603 is completed	When simultaneous update is happening to the same record by two process.	Check if there are two Job running simulatneously, if so stop one of them.
ERROR: could not extend file "base/16384/75771.2": No space left on device	Postgres logs in console	Not enough disk space in system	When an operation performed doesn't have enough disk space to accomplish the task due to lack of memory.	Check if there is enough disk space to accomplish the task.
ERROR: out of memory DETAIL: Failed on request of size 324589128.	Postgres logs in console	Not enough main memory	When we consume more memory than available on our machine we can see out of memory errors within our Postgres logs, or in worse cases the OOM killer can start to randomly kill running processes to free up memory. An out of memory error in Postgres simply errors on the query you're running, where as the OOM killer in linux begins killing running processes which in some cases might even include Postgres itself	Reduce the emission file size to avoid the issue.
ERROR: value too long for type character varying(100)	Postgres logs in console	Data field exceeds size exceeds the column size	When the field has too long to accomodate within a column, we get this error	Correct the data field which exceeds the size.
ERROR: value too long for type integer	Postgres logs in console	Data field exceeds size exceeds the column size	When the field has too long to accomodate within a column, we get this error	Correct the data field which exceeds the size.
ERROR: column "<field_name>" does not exist at character	Postgres logs in console	Data field doesn't exist	When the data fields are not according to the emission specification	Correct the header in the emitted file
ERROR: there is no unique or exclusion constraint matching the ON CONFLICT specification	Postgres logs in console	Inconsistency/mapping issues in the data	When mapping of the data has issues, we may get this issue	The error mostly occurs while updating to aggregation tables, due to inconsistency/mapping issues in the data. The data needs to be mapped correctly to eliminate this issue.
FATAL: terminating connection due to administrator command	Postgres logs in console	When the data base was restarted	If the data base restarts during the running process, we will get this issue	Database shouldn't be restarted during a process is running, check the sys logs to know why the database service was terminated.
LOG: received fast shutdown request	Postgres logs in console	When the data base was restarted	If the data base restarts during the running process, we will get this issue	Database shouldn't be restarted during a process is running, check the sys logs to know why the database service was terminated.
ERROR: relation "<relation_name>" does not exist at character <character_position>	Postgres logs in console	When the relation doesn't exist	If the relation doesn't exist, will get this issue	

Error message	Where Error Location	Error type	Why Error identification (Cause)	How to resolve Probable resolution
Error student_attendance.txt is not valid zip format.	Installation/logs/ nifi-app.log	checking the extension	If file is not valid zip	1. Check the file is emitted in the .Zip format or not 2. Check the file is in rar or any other then zip format. 3. If the above 2 are correct then contact cQube team.
Error while extracting the header/columns from csv file (error)	Installation/logs/ nifi-app.log	Data validation	Error while extracting columns from file.	1. Check the delimiter of the csv file, delimiter should be "   " except for Diksha Datasource. Diksha delimiter " , , "
Error - columns did not match	Installation/logs/ nifi-app.log	Data validation	If the columns do not match with the requirement	1. Check the column names are according to the cQube doc. 2. Rename the columns as per the cQube doc. 3. Clear the Nifi Queue [ Right click on canvas , then click Empty all queues] 4. Re emit the file with correct columns.
Error - filename has invalid data type: invalid record=, Total records=	Installation/logs/ nifi-app.log	Data validation	If the columns datatype doesn't match with the requirement	1. Check the column datatypes are according to the cQube doc. 2. Rename the columns as per the cQube doc. 3. Clear the Nifi Queue [ Right click on canvas , then click Empty all queues] 4. Re emit the file with correct columns.
Error while checking mirror data	Installation/logs/ nifi-app.log	Data validation	when unexpected characters found in data	1. Check for the special characters or invalid csv format file. 2. If special characters or invalid csv format exists, then clear the Nifi Queue [ Right click on canvas , then click Empty all queues] and delete the staging / temp tables. 3. If the above steps doesn't solve the issue, then contact cQube team.
Error while selecting unique data	Installation/logs/ nifi-app.log	Data validation	when unexpected characters found in data	1. check for the special characters or invalid csv format file. 2. If special characters or invalid csv format exists, then clear the Nifi Queue [ Right click on canvas , then click Empty all queues] and delete the staging / temp tables. 3. If the above steps doesn't solve the issue, then contact cQube team.
Error while getting null values	Installation/logs/ nifi-app.log	Data validation	when unexpected characters found in data	1. Check for the special characters or invalid csv format file. 2. If special characters or invalid csv format exists, then clear the Nifi Queue [ Right click on canvas , then click Empty all queues] and delete the staging / temp tables. 3. If the above steps doesn't solve the issue, then contact cQube team.
Error while fetching the year and month from temp table.	Installation/logs/ nifi-app.log	Run time Error	When DB is down/ not in running state	1. Check the Db status. 2. If it is stopped , start it . 3. If the problem persist after doing above steps , Contact cQube team.
Error while executing <query name> query.	Installation/logs/ nifi-app.log	Run time Error	When DB is down/ not in running state	1. Check the Db status. 2. If it is stopped , start it . 3. If the problem persist after doing above steps , Contact cQube team.
Failed to perform validation due to java.lang. OutOfMemoryError: Java heap space	Installation/logs/ nifi-app.log	Run time Error - Out of Heap Memory	when Heap memory is consumed full.	1. Contact cQube team.
Amazon S3 due to Please reduce your request rate. (Service: Amazon S3; Status Code: 503; Error Code: SlowDown; Request ID: PT1N23ZMTDZ5DT02; S3 Extended Request ID: Sc5t1molkhiqYpzj6timMNIxNaKumZtGaDJk/K4QNiTPLLwcjqp99AH7Z5bO5wwsCWfO/YskpLw=): com.amazonaws.services.s3.model.AmazonS3Exception: Please reduce your request rate. (Service: Amazon S3; Status Code: 503; Error Code: SlowDown	Installation/logs/ nifi-app.log	Run time Error	When large number of file writes happens at same t	1. Contact cQube team.
Error while checking diksha summary rollup request status from table, Error= <db error message>	Installation/logs/ nifi-app.log	Run time Error	When DB is down/ not in running state	1. Check the Db status. 2. If it is stopped , start it . 3. If the problem persist after doing above steps , Contact cQube team.
Invoke HTTP Routing to Failure due to exception: Failed to connect to <IP>:8082: java.net.ConnectException: Failed to connect to <IP>:8082	Installation/logs/ nifi-app.log	Configuration Error	Diksha API Call	1. Check whether API is working ,test it using curl or postman. 2. If it is not working , contact the respective API team. 3.If the above steps doesn't solve the issue, contact cQube team.
InvokeHTTP Error codes 4XX	Installation/logs/ nifi-app.log	Configuration Error	Diksha API Call	1. Check whether ur able make the api call using curl or postman. 2. If it is not working , contact the respective API team. 3.If the above steps doesn't solve the issue, contact cQube team.
Error while downloading the file. File url = <file url>	Installation/logs/ nifi-app.log	Run time Error	Diksha API Call	1. Check the file expiry time from diksha_api_meta table. 2. If file ur is expired , then clear the Nifi queues. 3. delete the today's request and re run the diksha processor. 4. If problem persist after performing above 3 steps, Contact cQube team.

	Where		Why	How to resolve
Error message	Error Location	Error type	Error identification (Cause)	Probable resolution
NO DATA FOUND - DATASET (PROGRESS-EXHAUST) for Request: <request url>	Installation/logs/nifi-app.log	Configuration Error / API	Diksha API Call	1. Check whether you have emitted batch ids file. 2. Check whether Diksha API is returning data using CURL / POSTMAN. 3. If problem persist after performing above 2 steps, Contact cQube team.
NO DATA FOUND - DATASET (SUMMARY-ROLLUP) for Request: <request url>	Installation/logs/nifi-app.log	Configuration Error / API	Diksha API Call	1. Check whether Diksha API is returning data using CURL / POSTMAN. 2. If problem persist after performing above the step 1, Contact cQube team.
Routing to failure : unable to unmarshal JSON to an Object	Installation/logs/nifi-app.log	Run time Error	when unexpected characters found in output data	1. check for the special characters or invalid csv format file. 2. If special characters or invalid csv format exists, then clear the Nifi Queue [ Right click on canvas , then click Empty all queues] and delete the staging / temp tables. 3. If the above steps doesn't solve the issue, then contact cQube team.

	Where	When		How to resolve
Error message	Error Location	Error type	Error identification (Cause)	Probable resolution
Error: 400, f'Bad request, filename not provided in payload'	console emission logs	When the key/filename is not provided in the request	When the key/filename is not provided in the request	Provide the valid key/filename in the request body
Error: 404, f'Bad request, unable to find the file - validate the filename in payload'	console emission logs	When the key/filename specified doesn't exist	When the key/filename is provided in the request, doesn't exist in cQube bucket	Provide the valid key/filename in the request body while uploading or downloading
Error: 400, f'Bad request, not cqube bucket - validate the bucket name'	console emission logs	When the bucket name specified doesn't exist	When the bucket name provided in the request, doesn't exist	Provide the valid bucket name in the request body while uploading or downloading
Error: 400, f'Bad request, validate the payload'	console emission logs	When the payload has missing fields	When any of the fields are missing in the payload, this issue will occur	Request with the required fields in the request
Error: No credentials found for given 'iss'	console emission logs	When the token is not issued by cQube	When the token is not issued by cQube	The valid token issued by admin needs to be used
Error: "Bad token; invalid JSON"	console emission logs	When the token is not valid	When the token is not issued by cQube and is invalid	The valid token issued by admin needs to be used

	Where		Why	How to resolve
Error message	Error Location	Error type	Error identification (Cause)	Probable resolution
Internal error. Please try again!!	On Browser	Exception	Issue in data, key not found, or file not there in s3	1. Make sure the file is available in s3 or not 2. Check the data format is correct or not.
NoSuchKey: The specified key does not exist	/opt/cqube/logs/server_side-error.log	File not present exception	If specified file is not present at its location	Make sure all file are available which we are used
Request failed with status code 401	On Browser	Unauthorised user	When ever token expired, user will be unauthorised	User should refresh page and login with valid username and password
Error: uncaughtException: ENOENT: no such file or directory	/opt/cqube/logs/server_side-error.log	Local file is not there at given locatio	The file which we are trying to read is not present at its location	We should put the required file at given location
Error: Request failed with status code 502	On Browser	Bad gateway	If specified url is not accessible	Restart the nginx server or otherwise give sudo pm2 resurrect
UncaughtException: The specified bucket does not exist	/opt/cqube/logs/admin_server_side-error.log	S3 bucket not exist	The bucket which we are trying to access is not present	Create all the required buckets
TypeError: Cannot read property 'toString' of undefined	/opt/cqube/logs/server_side-error.log	Key unavailable	If specific key is not found	Make sure key is there in data, if not there put it as empty or null value
TypeError: districtData.map is not a function	/opt/cqube/logs/server_side-error.log	If file has no data	If file is there but data is null	If data is not there don't create files
NetworkingError: socket hang up	/opt/cqube/logs/server_side-error.log	Network issue	If network is very weak or not connected	Check you internet connection
Error: Cannot find module 's3-append/any	/opt/cqube/logs/server_side-error.log	Library not installed	If we are using some module that is not installed	Do npm install and rerun the server
TypeError: Cannot read property 'keyname(any key)' of null/undefined	/opt/cqube/logs/server_side-error.log	Key unavailable	Trying to access a key which is null/undefined	Check the data, if key not present put the key with null value in s3 files
TypeError: districtsData.sort is not a function	/opt/cqube/logs/server_side-error.log	If file has no data	If file is there but data is null	If data is not there don't create files
RequestTimeTooSkewed: The difference between the request time and the current time is too large	/opt/cqube/logs/server_side-error.log	System time not correct	If syatem time is different from actual time	Change your system time to actual time