## ****Back End High Level Technical Document****

This document outlines the (folder) structure and functionality of the BCS NodeJS Backend

Some modules are in development/feature phases

NodeJS Backend Structure

**ROOT**

API Module

* Api layer for handling authentication and token management
* Controllers
  + Handlers for each cloud resource method

Controllers

* Controllers for handling FE requests
* Fetches data from portal database

Deploy

* Cloudbuild/Kubernetes yaml configuration files utilized in deployment

Docs

* Handlers for fetching docs from GCP storage and serving to FE

Email

* Docs and image for certain email templates

Jobs

* All job processors that are set to recurring schedules
* Cloud admin reports, alerts, QBR, monthly budget updates, invoices, and validations

Models

* Mongo DB schemas for all types of collections

Modules

* Big\_query
  + REST modules for bigQuery API
  + Views for configuring bigquery requests
* Google\_analytics
* Netbrain
* Science\_logic
  + REST module
  + GQL module
* Searcher

Routes

* Route handlers for all backend routes
* Route handler for API routes
* Microservice handler

Temp

* Folder for all temporary/dynamically generated files

Templates

Test

* Test files
* Test Util