

## 1.1 Front End High Level Technical Document

This document outlines the (folder) structure and functionality of the BCS Portal AngularJS frontend

The portal is divided into two interfaces - Managed Services Portal and Cloud Billing  
Any module not under the 'Cloudbilling' is Managed Services

Each folder directory contains the controllers, styling (scss), html, and unit test

Some modules are in development/feature phases

AngularJS Frontend Structure

### ROOT

Deploy

- Cloudbuild/Kubernetes yaml configuration files utilized in deployment

Gulp

- Build settings for compiling, translating, minimizing, and setting up application initialization.
- Asset, script, and style injection
- Unit testing configurations

SRC

- App
  - Calendar (/calendar)
    - Change calendar module for standard portal
    - Displays change requests in a calendar timeslider UI
  - Cloudbilling
    - Budget (/cloudbilling\_projects)

- Budget configurations for company, group, departments, and projects.
  - Alert thresholds
  - Project Details
  - Company budget activity
- Burwood Admin (/cloudbilling\_burwood\_admin)
  - Billing account configuration
  - Company details (company code, discounts, service fees, and invoice notes)
- Company (/cloudbilling\_config)
  - Client admin configuration
  - Company budget settings
  - Company notification settings
- Dashboard (/cloudbilling\_dashboard\_admin)  
(/cloudbilling\_dashboard\_admin)
  - Admin and project dashboards
- Funding (/cloudbilling\_po)
  - Funding configurations for STRIDES and purchase orders
  - Funding Source report
  - Invoice setup by funding source
- Report (/cloudbilling\_reports)
  - Main reporting module for cloud billing
  - Invoice tab for downloading invoices by company, group, department, or PO
  - Download copy of weekly summary for admins
  - Customize and export reports
- Util
  - Utility scripts for cloudbilling modules, invoicing, and reporting processors
- Company (/company)
  - Tables for viewing device circuits, vendors, users, and device locations
- Components/Navbar
  - UI routing component for navigating routes for both Cloud Billing and Managed Services

- User dropdown modules for notifications, password change, client filter, sso config, view switching, and logout
- ContactUs (/contactus)
  - Page for managed services contact information and locations
- Contracts (/contracts)
  - Module for viewing Managed Services contracts and related contract items, prices, and skus
- Devices (/devices)
  - Main modules for listing client devices and relevant information (locations, ip, etc)
  - Contains reporting on each device by interfaces or by selected metric
  - Query reports by date range
  - Apply trend analysis
- Discovery (/discovery) (/discovery\_new) (/credentials) \*\*\*Development
  - Table for viewing current/past device discovery sessions
  - Form for collecting and submitting discovery session
  - Form for collecting credentials for initiating discovery session
- Docs (/docs) (/release\_notes) (/cloud\_guide) (/cloud\_user\_guide)
  - /docs - Documentation for Managed Services Portal housed in GCP Cloud Storage Bucket
  - /release\_notes - Bi-weekly release notes synced with Servicenow's release table for the BCS Portal (cloudbilling only)
  - /cloud\_guide, /cloud\_user\_guide - Cloud Billing user guides which are housed in Github repository and displayed through markdown.
- Events (/events) (/cleared\_events)
  - Tables for viewing SL events and details of those events/cleared events
  - Single event modal for more detailed information
- Highcharts
  - Custom directive for implementing highcharts across reporting modules
- JS
  - Misc. js utility modules
- Login (/login) (/logout) (sso\_login)
  - Module for login, logout, register
  - SSO login initiation

- Check valid IdP config
  - Redirect to IdP
  - Confirm assertion
  - Reset password form with valid email and encrypted id
- Main (/)
  - Main dashboard/landing page for the Managed Services Portal
  - Twitter API Feed
  - Burwood Website Scrape
  - Performance Analytics Widgets
  - Widget Configuration Modal
- Netbrain (/netbrain) \*\*\*development
  - SSO integration directly into Netbrain maps
  - Downloads of environment maps
- Onboarding (/cloudbilling\_onboarding) \*\*\*development
  - Servicenow integration with onboarding projects
  - Table for viewing status, assignments, and subtasks for onboarding processes
- Problem (/problem)
  - Servicenow integration with Problem tickets types
  - Table overview of tickets
  - Single ticket view and activity
- Report (/report)
  - Main reporting module for the Managed Services Portal
  - Tickets reports, device reports, analytics, table exports
  - Report builder/composer (emailed)
  - Scheduled emails report configurations
- Requests (/requests)
  - Servicenow integration with Request tickets types
  - Table overview of tickets
  - Single ticket view and activity
  - Ticket submission form
  - Include separate UI and module for Cloud specific requests
  - Contains internal request form available to only Burwood Users
- Reset (/reset\_password)

- Reset page to accept valid users to reset password.
  - Reset initiated from Login module and continued through Reset
- Sciencelogic
  - Services used to prep and transmit REST and GQL queries to Sciencelogic module on BE server.
- Search
  - Global search module
  - Located in top right corner of Managed Services portal
  - Searches all tickets, devices, and keywords
- Server
  - Services used to prep and transmit REST queries to standard portal backend server
- Service
  - Misc service and factory scripts for standard portal
- Servicenow
  - Services used to prep and transmit REST queries to Servicenow module on BE server.
- Shared
  - Shared UI components across both Portal environments
  - Activity feed, confirmation, loading, notices, etc
- SSO (/sso\_config)
  - Internal page for configuration of SSO clients
  - IdP configurations (certificates, domains, attributes, etc)
  - Both Cloud Billing and Managed Services
- Status (/incidents)
  - Servicenow integration with Incident tickets types
  - Table overview of tickets
  - Single ticket view and activity
  - Ticket submission form
- Ticket (/ticket) \*\*\* deprecated
  - Servicenow integration with all tickets types
- Uchangerequest (/uchange\_request)
  - Servicenow integration with Change tickets types
  - Table overview of tickets



- Single ticket view and activity
- Ticket submission form
- UserAdmin (/cloudbilling\_users)
  - TCloud Billing module for user management
  - Synced with Servicenow catalog of users, groups, and details
  - Allows users to be mapped to cloud projects, departments, or groups
  - Configuration of cloud billing roles and views
  - Create new user
  - Password reset upon new user or update
- **\*\*\*.index.\*\*\***
  - Global constants
  - Header injections for HTTPS
  - Route and controller configuration/management
  - Runtime codeblocks/route restrictions
  - Bower configurations
- Assets
  - Static assets, fonts, icons, etc.

**\*\*\*-frontend.Dockerfile**

- Dockerfile build steps for each environment