AVERT C2 Repository Definitions

October 19, 2021

Overview

This document explains what each of the AVERT C2 repositories is used for as of the time of this document. Repositories can be found at http://bitbucket.aresseccorp.com/projects/COM.

Repositories

app-gateway

Responsible for the communication between the Traefik reverse proxy and the rest of the AVERT C2 applications. Also handles file storage/downloading and user authentication token validation.

app-server-build

Webpack build for AC2 application services

ares-api

A .NET project for integrations (mostly camera integrations) that cannot be done in a NodeJS application.

berth-request-app

Public-facing request form for the berth-schedule-app.

berth-schedule-app

Application for managing berths, arrivals, and departures.

camera-wall-app

Application for our video wall.

cameras-app

Application for camera integrations and a client for managing cameras.

cb-app-scaffold

Repository used for quickly setting up a new AVERT C2 application repository.

cb-build

Contains build configurations used by Jenkins build server.

cb-load-tester

Application for measure performance of AVERT C2.

cbdeploy

AVERT C2 deployment software.

cbutil

Command line interface for building AVERT C2 applications and viewing logs.

champ-app

Configuration, Health, Auto-deployment Management Program. Client application used for managing customer installations.

champ-client

NodeJS application that runs in PM2 at each customer installation. This client uses NATS to communicate to the central CHAMP application.

client-app-core

NodeJS library for making rest and real-time requests from AVERT C2 client applications.

commandbridge-compose

Contains the necessary Docker configuration for setting up an AVERT C2 development environment.

ecosystem

Backend Services for CB2. Includes rest and real-time APIs for DB, as well as rethink models and various processes.

elastic-curator

Responsible for maintaining Elasticsearch indexes in accordance with its configuration.

elasticsearch

Database designed for fast search and powerful analytics.

events-app

Application for managing events and event templates.

facilities-app

Application for managing facilities.

gis-app

Application to support GIS sources in the mapgl-app.

health-app

Collects health information from other AVERT C2 applications.

health-monitor

NodeJS application that runs in PM2 to monitor the health collected by the health-app and sends emails if there is a problem.

integration-app

Handles all integrations except for camera integrations. Integrations are split into edge and transform processes.

law-enforcement-search-app

Application for searching across various law enforcement databases and services.

lists-app
Application for managing lists.

mapgl-app
Our main Common Operational Picture (COP) application.

milestone-service
Used for downloading video replay clips in the replay-app.

node-app-core
Node-app-core binds NATS messaging, access to ecosystem methods and the global changefeeds, as well as other universal functionality to our microservices.

orion-components
A collection of shared React components and wrappers used in many different front-end apps.

orion-settings
Orion-settings contains key administrative functions for organizations and users participating in the platform that includes managing organizations, setting up sharing policies, configuring org members, determining app accessibilities, and assigning user permissions.

replay-app
Application for viewing historical data and video.

replay-snapshot
NodeJS application that runs in PM2 to save replay snapshots on a given interval.

reports-app
Provides various reporting options for AVERT C2 data.

rethinkdb-backup
Scheduled backups of RethinkDB copied to an S3 storage service.

rules-app
Application for managing and evaluating user-created rules.

status-board-app
Application for managing boards and status cards.

tabletop-app
Application for managing and running AVERT simulations.

tabletop-deploy
Command line interface to supplement cbdeploy for tabletop-specific needs.