



**Virtual Brew:**  
**Mornings with AI**

# **Unlocking Real-Time Pipeline Insights with the Bullhorn Open API**

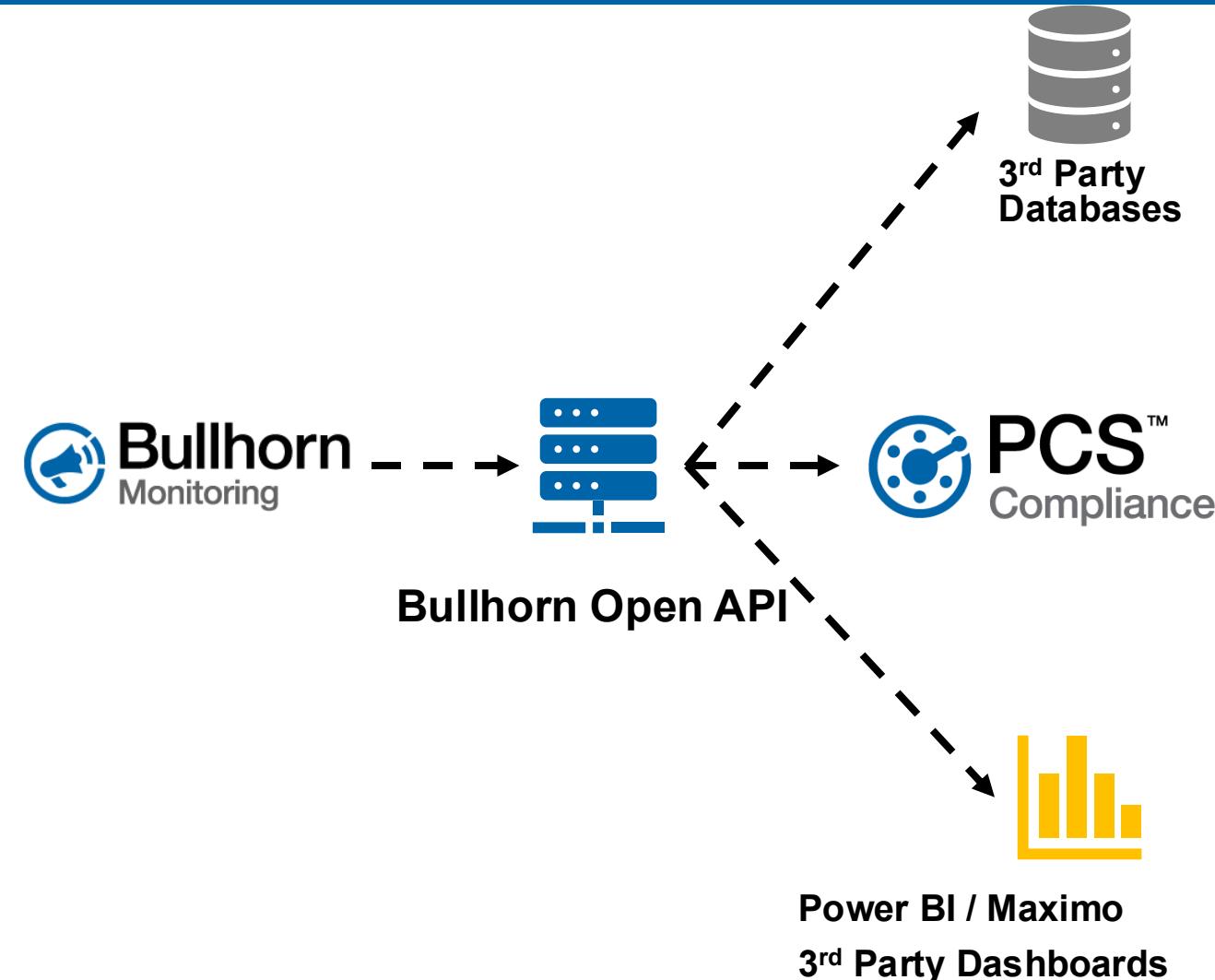
Cole Finney

Product Manager – Bullhorn RMU



# Agenda

- Bullhorn Open API Overview
- Bullhorn Open API Capabilities
- Accessing the API
- Bullhorn API Dashboard Demo



# API Overview



# What's an API?

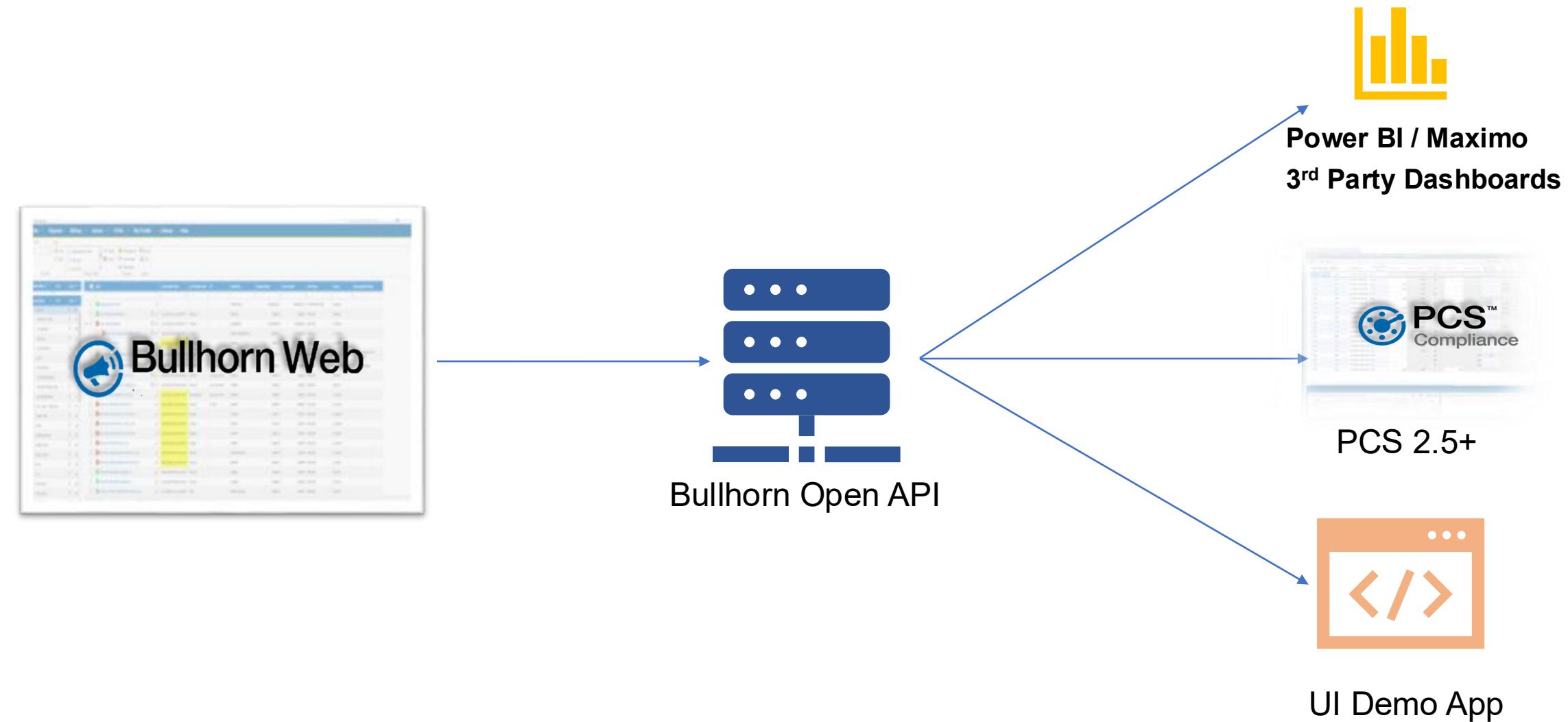


Kitchen



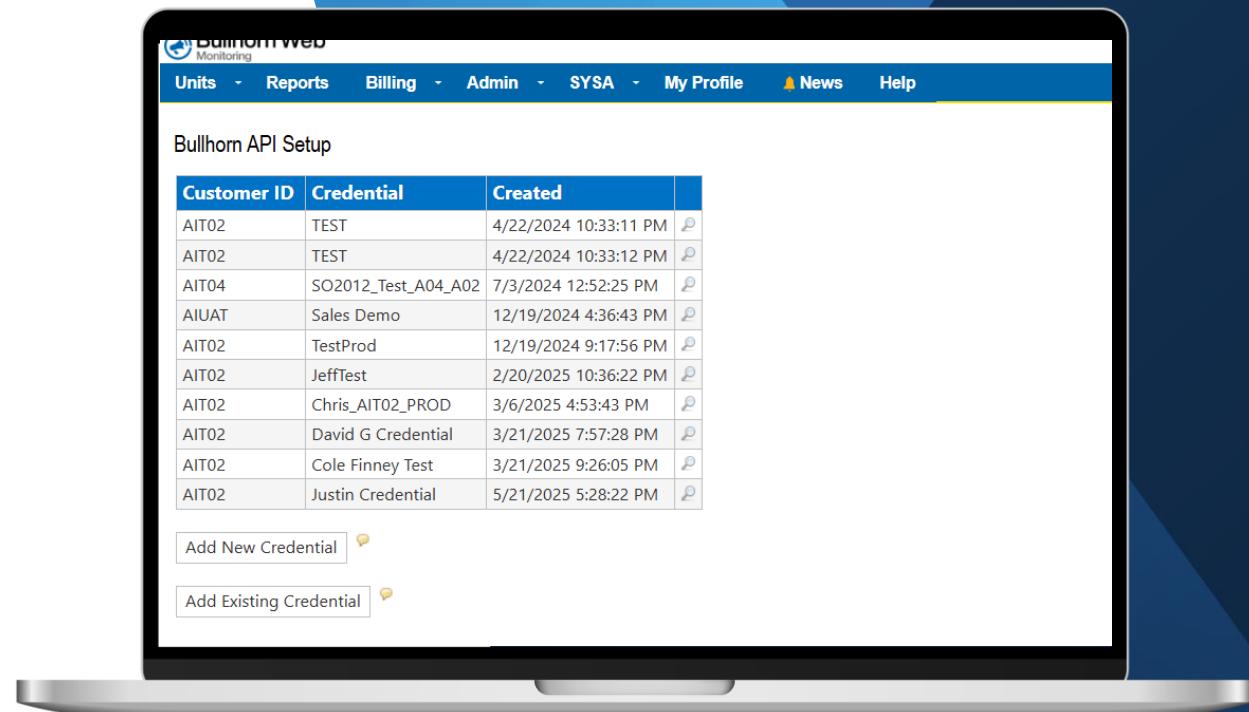
Waitress





# PCS 2.5 Integration with BHW

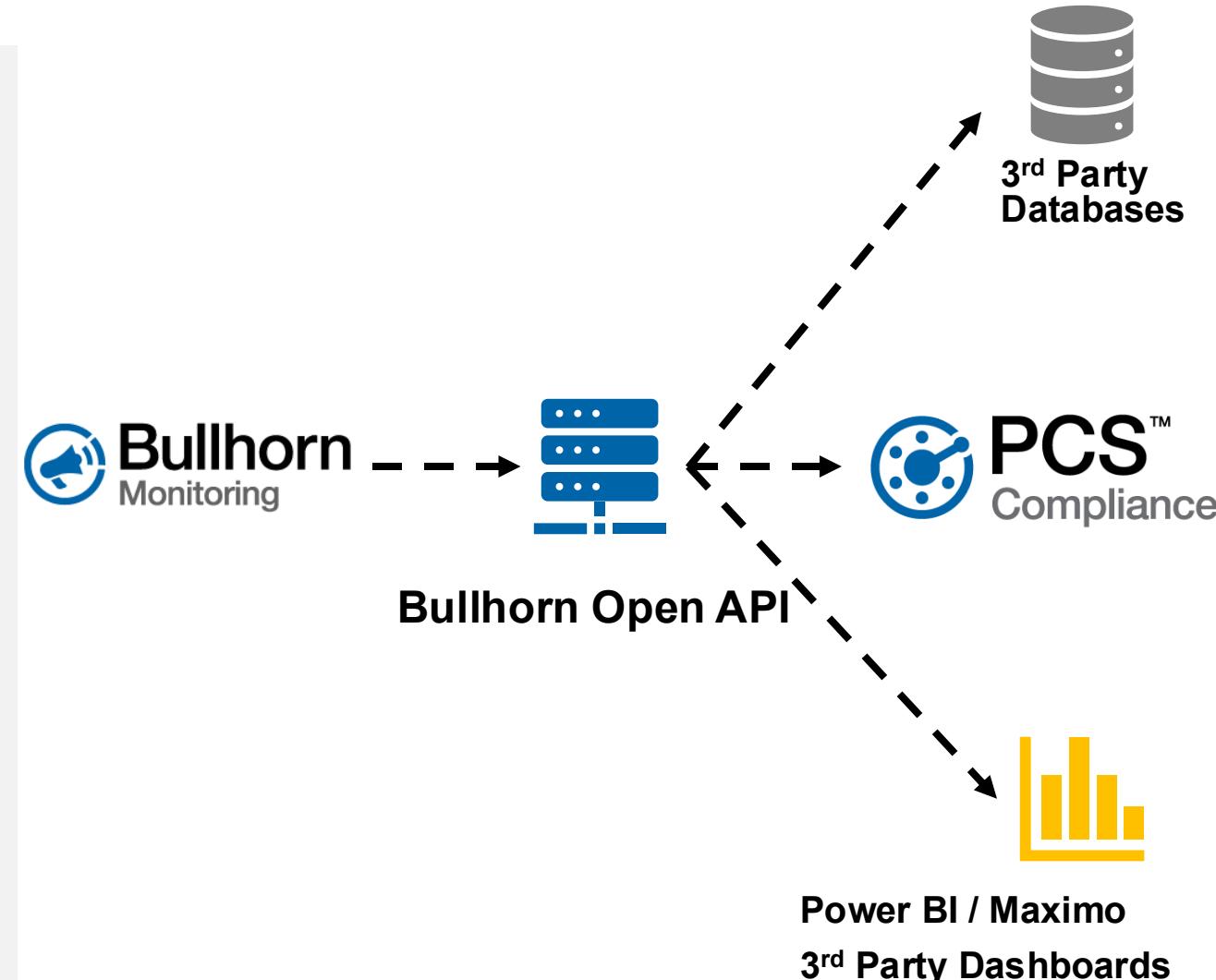
- First API Integration between BHW & PCS 2.5
- One-time setup:
  - One integration per database,
  - Capable of integrating **multiple** BH Client IDs through one API credential
- Fixed bridge errors & silent failures
- Introduced Automapping to increase RMU mapping accuracy



# Bullhorn Open API: 3<sup>rd</sup> Party Integration

## Easy 3<sup>rd</sup> Party System Integration

- Proven API from PCS 2.5 now available for all 3<sup>rd</sup> party systems
- Access Bullhorn RMU data in any platform at any time



# Open API Capabilities



# Bullhorn Open API – *Expanded Integrations*

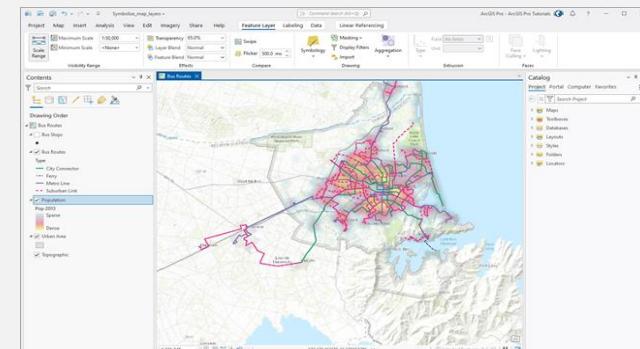
## 3<sup>rd</sup> Party Dashboards

- Visualize entire corrosion program in internal dashboards
  - Maintenance Systems (Maximo, SAP, etc.)
  - Power BI



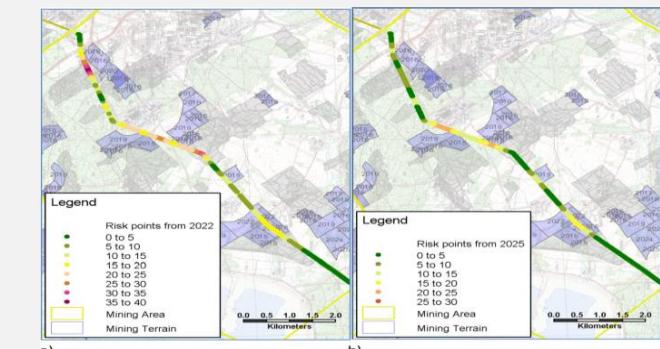
## GIS Integration

- Integrate RMUs into infrastructure mapping



## Feeding Risk Models

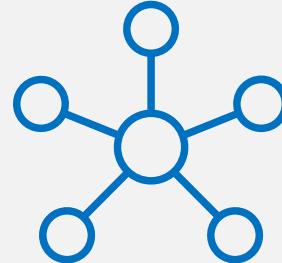
- Add additional insights from RMU
- Drive better decisions



# Bullhorn Open API – *Endless Possibilities*

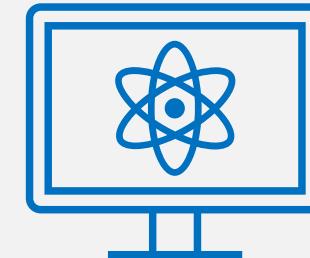
## Cross-Platform Integrations

- Connect With Internal & External Systems
  - 3<sup>rd</sup> party databases
  - Work Order management



## Machine Learning

- Learn From Your Data
- Integrate RMU data into Risk, LLM systems



# Automated Data Handling



# The Bullhorn Open API Delivers...

**Freedom to Use  
Your Data Anywhere**



**Real-Time, Automated  
Reporting**



**Configurable Solutions  
Tailored to Your Workflow**



# Additional Value to Bullhorn RMU Data

## Easy One-Way Data Integration

- Utilizes Open API spec
- Pull data from BHW into any system

## Secure Data Transfer

- OAuth 2.0 Standard
- Encrypted End-To-End
- Keys are easily removeable

## Meaningful Endpoints

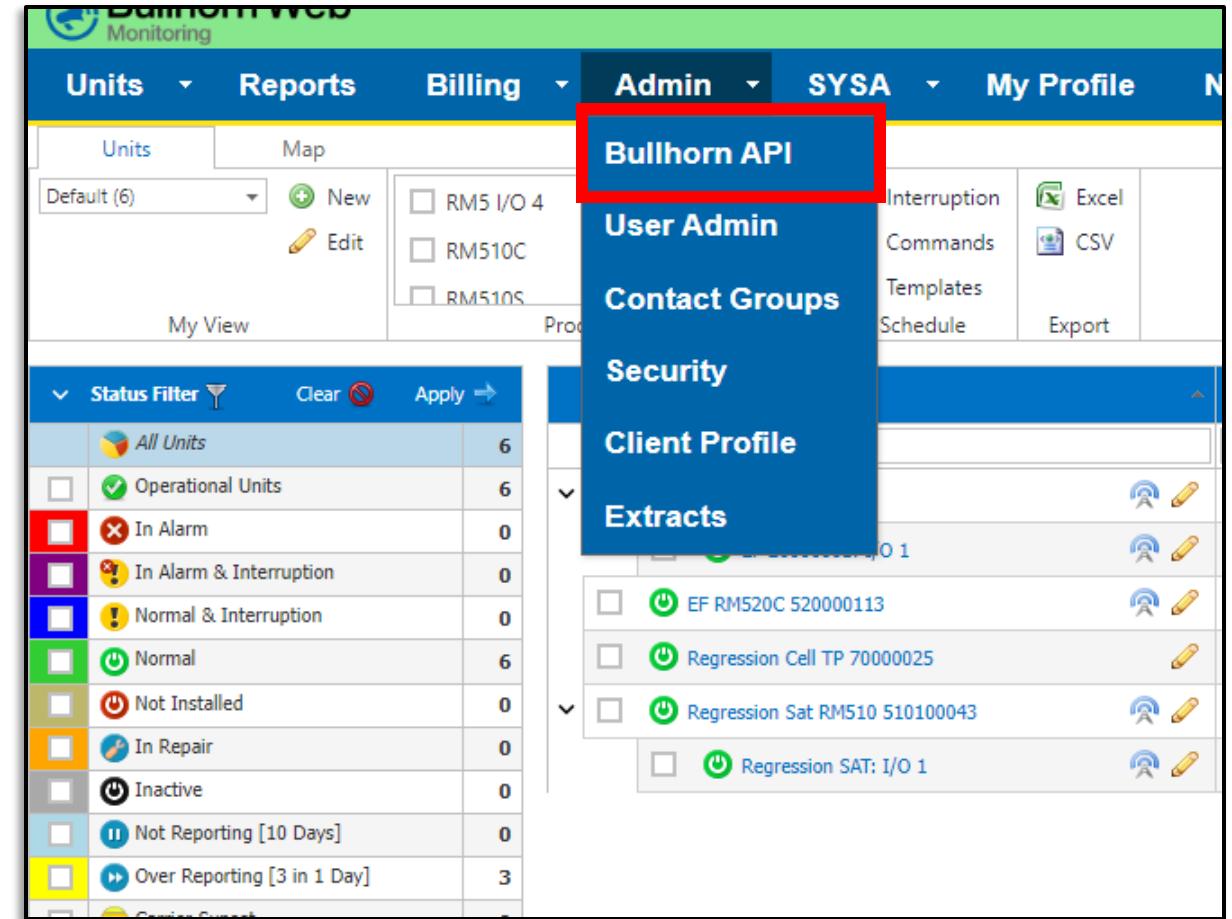
- Link together multiple Clients
- Readings
- Units

# Accessing the Open API

# Accessing the Bullhorn Open API

## Requirements:

- Bullhorn Account
- Client Admin



The screenshot shows the Bullhorn Web Monitoring interface. The top navigation bar includes 'Units', 'Reports', 'Billing', 'Admin', 'SYSA', 'My Profile', and 'N'. The 'Admin' dropdown is open, showing 'Bullhorn API' (which is highlighted with a red box), 'User Admin', 'Contact Groups', 'Security', 'Client Profile', and 'Extracts'. Below the Admin menu is a 'Status Filter' table with the following data:

Status	Count
All Units	6
Operational Units	6
In Alarm	0
In Alarm & Interruption	0
Normal & Interruption	0
Normal	6
Not Installed	0
In Repair	0
Inactive	0
Not Reporting [10 Days]	0
Over Reporting [3 in 1 Day]	3
Serial Errors	0

On the right side of the interface, there are sections for 'Interruption', 'Commands', 'Templates', 'Schedule', and 'Export'.



Units ▾ Reports Billing ▾ Admin ▾ SYSA ▾ My Profile

## Bullhorn API Setup

Customer ID	Credential	Created	
AIT07	Dome & IO	5/29/2025 7:47:31 PM	

Add New Credential

Add Existing Credential

# Bullhorn API Demo App

## What is the Demo App?

- Visual aid for RMU data
- Using the endpoints available in Bullhorn Open API
- Get familiar with how to use the endpoints!

## Technical Details

- Utilized React
- Open API generator using the Open API Spec(Industry Standard)
  - Streamlines the integration of the API
  - <https://github.com/OpenAPITools/openapi-generator>

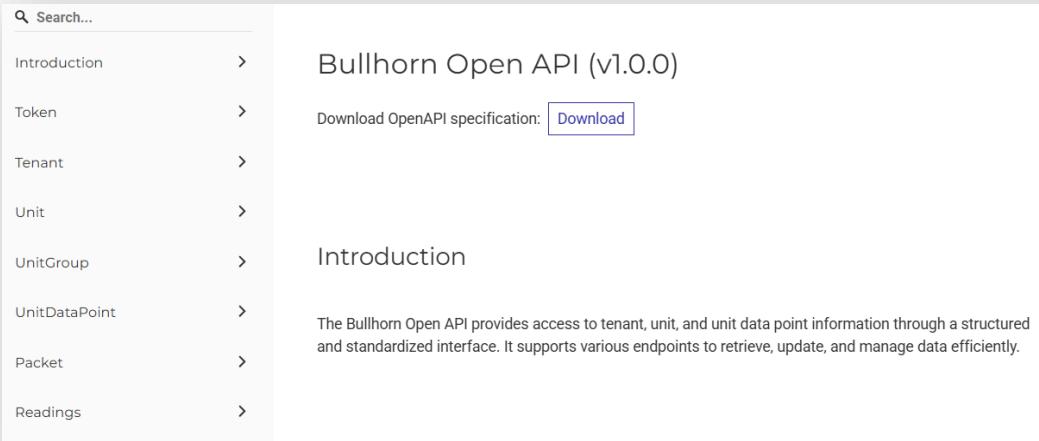
# Dashboard Capabilities Demo

- Demo of example dashboard utilizing the Bullhorn Open API



# Documentation

## Redoc



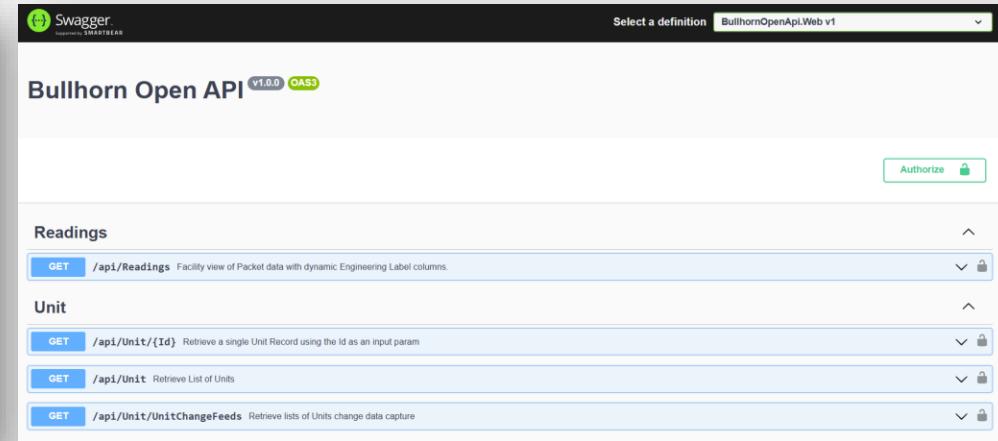
Search...

- Introduction >
- Token >
- Tenant >
- Unit >
- UnitGroup > **Introduction**
- UnitDataPoint > The Bullhorn Open API provides access to tenant, unit, and unit data point information through a structured and standardized interface. It supports various endpoints to retrieve, update, and manage data efficiently.
- Packet >
- Readings >

Bullhorn Open API (v1.0.0)

Download OpenAPI specification: [Download](#)

## Swagger



Search...  Select a definition BullhornOpenApi.Web v1

Bullhorn Open API v1.0.0 [OAS3](#)

Authorize 

**Readings**

GET /api/Readings Facility view of Packet data with dynamic Engineering Label columns

**Unit**

GET /api/Unit/{Id} Retrieve a single Unit Record using the Id as an input param

GET /api/Unit Retrieve List of Units

GET /api/Unit/UnitChangeFeeds Retrieve lists of Units change data capture