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Bullhorn Platform Speed Talks

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WELCOME
WE'RE GLAD YOU'RE HERE!



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What are Extensions?

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The interfaces for extending the
Bullhorn Product through
customizations, interactions, etc...

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What does this include today?

Old and Boring

Form Triggers

Form Scripts

Custom Tabs

Custom Actions

New and Shiny

Bots

Field & Page Interactions

Custom Cards

Custom Objects



Just Added



- Page Interactions
- WEBHOOKS w/BOTs
 - Great for integrations
- Bullhorn CLI
 - Manage your customizations



In the works

- New Authorization Strategies
 - KeyAuth, JWT & more
- REST Tokens for Bots
 - Bots
 - Custom Cards
 - Custom Tabs
 - Custom Actions



EVENTUALLY



Coming Soon

(but not as soon as that other stuff)

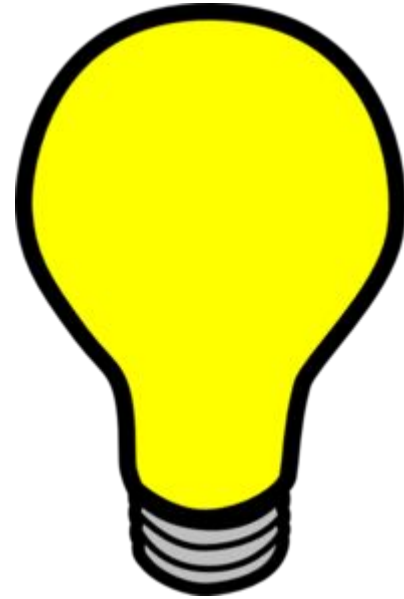
- Extension Configurations
 - Update FieldMaps
 - Modify or Override PLAs
 - Custom Objects
- More Bots





The stuff we want but cant have

- True MarketPlace
 - AppStore
- Bullhorn FAAS
 - Hosted solution
 - Tightly coupled

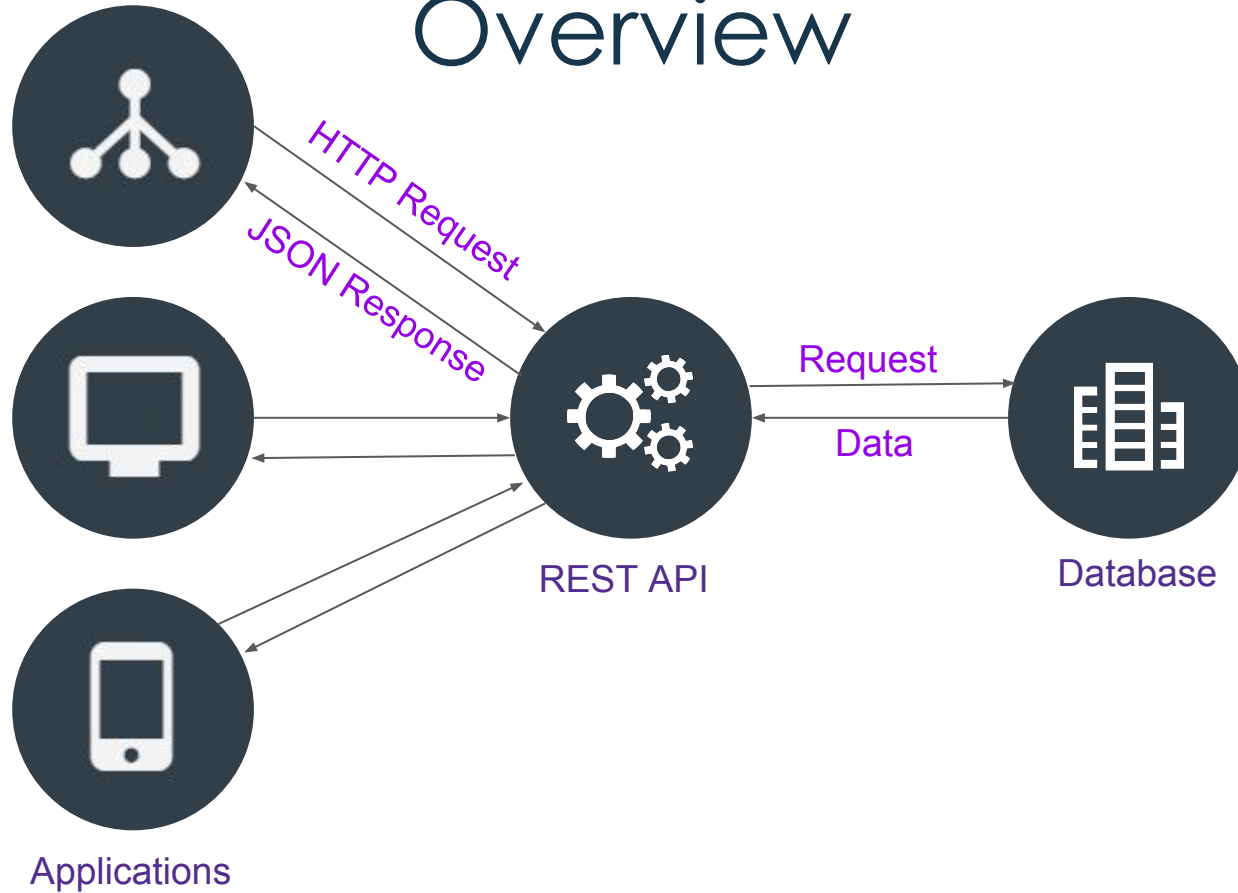


Bullhorn REST API

Adam Crowe

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Overview



Getting access to the Bullhorn REST API

- Bullhorn uses OAuth 2.0 as the authorization mechanism for the Bullhorn REST API
 - Customers can obtain OAuth keys for developing applications with the Bullhorn REST API by creating a support ticket via the Bullhorn Resource Center
- Customer applications will need to get an OAuth authorization code and access token before they can access the REST API
- Use the access token to log in to Bullhorn

```
POST https://rest.bullhornstaffing.com/rest-services/login?version=2.0&access_token={xxxxxxx}
```

```
{  
  "BhRestToken": "a33da348-d562-4211-a48c-8d8cac14a38e",  
  "restUrl": "https://rest.bullhornstaffing.com/rest-services/{corpToken}/"  
}
```

Key Endpoints

- /entity
 - Main way of accessing data via the API
 - Supports GET, PUT, POST, and DELETE calls
- /search
 - Quickly find data using optimized Lucene Index
 - Preferred over the /query endpoint
- /massUpdate
 - Allows users to update multiple entities in one call

Other Endpoints

- /meta
 - Returns data model and property metadata
- /event
 - Lets user get entity events, field map change events, and job match search events
- /resume
 - Parse resumes to create new candidates
- /entitlements
 - Gets the CRUD permissions of an entity

Discover More

<http://bullhorn.github.io/rest-api-docs/>

<http://bullhorn.github.io/Getting-Started-with-REST/>

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Building a Custom Bullhorn Application

John Sullivan

Building a Custom Bullhorn JAVA App

Customizing BULLHORN can be complicated; usage of the JAVA SDK and the Spring Starter-Kit can alleviate the majority of the complexity. Both the SDK and the Starter-Kit handle interacting with BULLHORN and it's APIs for you so you can focus on writing your custom business logic.

Introduction

- SDK
 - Library code, used as a dependency in a JAVA project.
- Starter-Kit
 - Template project, used as the starting point for a BULLHORN custom application. Is automatically integrated to the SDK.

JAVA SDK

- What is it?
 - Java client library for working with the Bullhorn REST API
 - Functions as an API wrapper around Bullhorn REST APIs; supports all standard REST functionality.
 - Incorporates REST OAuth
 - JSON serialization (JAVA objects instead of parsing JSON manually)
 - Generation of URLs for REST Calls

Usage

- Hosted in Maven
- Should be usable in any JAVA project that can use external JARs
- Using Maven to pull in makes setup easy
- Can be used entirely external to Starter-Kit
- Documentation is light because it would be the same as REST Documentation.

SDK and Open-Source

- Contribution welcome on [GitHub](#)
- Open pull requests, code is reviewed
- Changes pushed to Maven periodically
- Use GitHub issues to request features, request bug fixes.

Spring/Maven Starter Kit

- The JAVA Starter-Kit allows you to easily customize BULLHORN without dealing with integration points directly
- Depends on the SDK, giving you automatic API access
- Based on Spring Framework, giving the ability to easily import/integrate other technologies/tools.

Form Triggers and REST Triggers

- Allows for synchronous data validation and modification.
- Integration points between application code and BULLHORN are abstracted away from developer
- Utilizes concept of workflow to allow for extremely complex business logic without having to write too much code.

Scheduled Event Tasks

- Uses the BULLHORN APIs event subscription framework to allow for asynchronous event consumption
- Integration to REST API abstracted away from developer
- Workflow means developer only has to write actual business logic

Conclusion

- The SDK enables simple REST API access from any standard JAVA application
- The Starter Kit provides the ability to write automations while focusing on business logic
- Automating custom functionality within BULLHORN is made easy with the SDK and Starter Kit



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