

Persistent VS Non-Persistent API Connection

If your integration requires a persistent connection to the Bullhorn REST API, it's recommended that you store and use the provided API Username and Password to authenticate. This process is outlined in [the following KnowledgeBase article](#). This method of authentication would be best-suited for Job Board and automation providers.

If a non-persistent connection is acceptable, you can have a user authenticate and use refresh_tokens to keep your API session active while the user is utilizing your product. The authentication method is similar to above, but you remove the &username and &password parameters during authentication. The process is outlined in the [same KnowledgeBase article](#) as above under the heading **Use a refresh token to get a new access token**. This method of authentication would be best-suited for partners who utilize Custom Tabs or Marketplace Menus.

The Use of Custom Fields

Bullhorn Support can configure custom fields for use with your integration. These fields include customText, customInt, customFloat, customDate, and customTextBlock fields. Each entity has several of these fields available and your integration should be able to adapt to any given field number provided by Bullhorn Support. For example, clients may already be using customText1 and customDate2, so your integration must be prepared to accept the next-available custom field provided by Bullhorn Support during integration.

Custom Tab, Menu Action, and Marketplace Menu URLs

When creating an integration that utilizes a [custom tab, menu action, or Marketplace menu](#), you must configure the URL to a universal endpoint not one that will be customer specific or unique to each client. More information on this setup and configuration can be found on [the following GitHub article](#).

Data-Center Specific Endpoints

Your REST calls should be made to our Data-Center specific endpoints as described in [this GitHub article](#). To determine which Cluster your database is on, you can make a GET call to the following endpoint: `https://rest.bullhornstaffing.com/rest-services/loginInfo?username={username}` where {username} is that of your REST API User. The oauthUrl and restUrl parameters will provide you with the Data-Center specific endpoint.

Logging Your API Calls

If there are issues with your integration that requires Bullhorn Support's involvement, you'll be required to provide the API Request and API Response, including any headers/payloads being sent in order for us to troubleshoot. An example of an API Request required would be as follows:

```
POST https://rest91.bullhornstaffing.com/rest-services/477udd/massUpdate/Tearsheet
{
  "Ids":[3],
  "Candidates":{"add":[12345,12346,12347]}
}
```

Using refresh_tokens To Obtain a new BhRestToken

After a successful authorization_code is used with the Bullhorn REST API, you're provided an access_token and a refresh_token. An access_token is used to generate a BhRestToken which is used to make your REST calls and the refresh_token can be used when the BhRestToken expires to generate a new access_token and refresh_token.

[Using the following process](#) you can keep your connection alive without having to log into the REST API again. Please take note of the "Important Notice" at the bottom of the article.