

Using a refresh_token to obtain a new BHRestToken:

- 1) **The initial step to obtain an access_token involves a GET call to the following address:**

GET

`https://auth.bullhornstaffing.com/oauth/authorize?client_id={client_id}&response_type=code&username={username}&password={password}&action=Login`

An example of a response from this call is as follows:

`http://www.bullhorn.com/a/?utm_expid=155673-10.14Pw12l_R3Kmv-gPghUK9A.1&code=9%3A9a860297-de13-4c61-9541-7c3191cc51eb&client_id={client_id}`

NOTE: The value after code= and before & is your access_token

- 2) **A POST call is made using the access_token in Step 1 to obtain an access_token and refresh_token:**

POST

`https://auth.bullhornstaffing.com/oauth/token?grant_type=authorization_code&code=9%3A9a860297-de13-4c61-9541-7c3191cc51eb&client_id={client_id}&client_secret={client_secret}`

An example of a response from this call is as follows:

```
{
  "access_token": "9:95f8fe44-b2c9-4c8f-8b21-78cf610012ef",
  "token_type": "Bearer",
  "expires_in": 600,
  "refresh_token": "9:819621a9-4dc0-4442-928c-bdba75e29c59"
}
```

- 3) **Use the access_token from the API Response in Step 2 in a GET call to receive the BHRestToken:**

`https://rest9.bullhornstaffing.com/rest-services/login?version=*&access_token={access_token}`

An example of a response from this call is as follows:

```
{
  "BhRestToken": "acee3170-e203-4672-817e-850ee38dc7dd",
  "restUrl": "https://rest9.bullhornstaffing.com/rest-services/{corp_token}/"
}
```

- 4) **When the BHRestToken expires, the refresh_token from Step 2 can be used in a POST call to obtain a new access_token:**

POST

`https://auth.bullhornstaffing.com/oauth/token?grant_type=refresh_token&refresh_token={refresh_token}&client_id={client_id}&client_secret={client_secret}`

An example of a response from this call is as follows:

```
{
  "access_token": "9:95f8fe44-b2c9-4c8f-8b21-78cf610012ef",
  "token_type": "Bearer",
  "expires_in": 600,
  "refresh_token": "9:819621a9-4dc0-4442-928c-bdba75e29c59"
}
```

Important Notice:

Sometimes a refresh_token can be invalidated for a number of reasons.

- 1) If a call was made using the refresh_token and the Bullhorn API processed the request, but the response never made it to you due to unforeseen circumstances (ie: network error, latency, routing issues, etc.).
- 2) If you're using a user's session to authenticate and changes are made to that user account.
- 3) If you're making your API calls to the wrong data-center specific URLs as outlined in the documentation:
<http://bullhorn.github.io/Data-Center-URLs/>
- 4) Sharing the API Credentials across multiple API applications will invalidate all existing tokens bound to those credentials immediately.

In these situations, the credentials used in Step 1 should be stored and used again to start the process over.