

## Access idash API

idash exposes some backend APIs through Spring boot oauth2 resource server integrated Okta.

currently the idash external API only provides read access to workspaces and queries (e.g. query text that is contained within idash workspaces). As query text is not sensitive, we have decided to approve client keys to any internal team who requests it. Note, people who are logged into idash can hit these endpoints in their browser with the Okta credentials that are in cookies, so you may not **need** a client key to access this API. See also the Swagger docs on this api <https://idash.sandbox.indeed.net/private/openapi/v3/swagger-ui/index.html#/>.

- Request Access Token

In order to access idash api, you need to request a client credentials OIDC setup with IAM Authentication Service team (reference this for detail when working with IAM team, [https://indeed-admin.okta.com/admin/app/oidc\\_client/instance/00ae18wr6fOI2X5FI4x7/](https://indeed-admin.okta.com/admin/app/oidc_client/instance/00ae18wr6fOI2X5FI4x7/))

**Including this in the ticket "Need grant access to auth server:  
<https://indeed.okta.com/oauth2/ause19a40z31diP9P4x7>"**

After you get clientId and clientSecret you can use below command to get access token. The basic auth token is encoded clientId:clientSecret with base64.

```
echo -n 'clientId:clientSecret' | base64

curl --request POST \
  --url https://indeed.okta.com/oauth2/ause19a40z31diP9P4x7/v1/token \
  --header 'accept: application/json' \
  --header 'authorization: Basic {token}' \
  --header 'cache-control: no-cache' \
  --header 'content-type: application/x-www-form-urlencoded' \
  --data 'grant_type=client_credentials&scope=idash_access'
```

Here is the sample of the decoded token, idash will check aud is IndeedInternal and scp has idash\_access in the token.

```
{
  "ver": 1,
  "jti": "AT.qJ1cKOr5QbvYZm6E9SVQhuDPJGbURZmMKdwHC6krNg4",
  "iss": "https://indeed.okta.com/oauth2/ause19a40z31diP9P4x7",
  "aud": "IndeedInternal",
  "iat": 1696270720,
  "exp": 1696274320,
  "cid": "00ae18wr6fOI2X5FI4x7",
  "scp": [
    "idash_access"
  ],
  "sub": "00ae18wr6fOI2X5FI4x7"
}
```

- Example to access idash with access token

- curl -X GET "<https://idash.sandbox.indeed.net/extapi/v1/workspaces/all?username=amao>" \
 --header 'cache-control: no-cache' \
 --header 'content-type: application/json' \
 --header 'Accept: \*/\*' \
 --header 'Authorization: Bearer {access\_token}'

- Idash API list

name	method	url	parameter
Workspace	GET	<a href="https://idash.sandbox.indeed.net/extapi/v1/workspaces/all">https://idash.sandbox.indeed.net/extapi/v1/workspaces/all</a>	username (required), search, size, page
Workspace Detail	GET	<a href="https://idash.sandbox.indeed.net/extapi/v1/workspaces/{id}">https://idash.sandbox.indeed.net/extapi/v1/workspaces/{id}</a>	username (required)
Query Detail	GET	<a href="https://idash.sandbox.indeed.net/extapi/v1/workspaces/query_details">https://idash.sandbox.indeed.net/extapi/v1/workspaces/query_details</a>	username (required), workspaceID, queryID

Inventory of tokens

Token for	responsible party
Metric Alerts	<a href="#">metric-alerts</a>
Sheets IQL	<a href="#">rainer</a>
My Athena	<a href="#">deplat</a>
Swift Scheduled Query Runner	<a href="#">deplat</a>
Revenue Intelligence	<a href="#">mon-intelligence</a> ?
adamu_ishbooks	<a href="#">adamu</a>
David de Hoyos Idash	<a href="#">ddhoyos</a>
Cloud Cost Notifier	<a href="#">daap</a>
Asenjo IDASH API	<a href="#">aasenjo</a>
idash_ishbook_tkn	<a href="#">nwoodward</a>