



REST API - Migrate from v1.3 to v2

The v2 REST API offers programmatic access to common ClickTime functions. It is not an iteration on our existing APIs, but rather a redesign intended to follow RESTful principles. This document is to help existing customers migrate existing code or other custom functionality that utilizes REST 1.3 over to REST API v2.

Authentication

Authentication with REST API 1.3 could be done using either email address and password or a token. To obtain the token with 1.3, you made requests to the `/API/1.3/Session` endpoint. Access tokens from 1.3 are not useable by v2.

With REST API v2, most API endpoints only support authentication via token. The only exceptions to this rule are as follows:

- The GET `/Me` endpoint additionally supports basic access authentication so you can retrieve your API token.
- The POST `/Me/ResetAuthToken` endpoint only supports basic access authentication.

Single Sign-On

Single Sign-On (SSO) is not currently supported in the v2 API, but we intend to make this available in the near future.

Object IDs

We've updated the ID values for all objects in ClickTime, as exposed via the v2 API. You'll need a larger length string: 24 characters in the v2 API, as compared to the 12-character strings in the v1.3 API.

Error Codes

REST API v2 provides you with more appropriate error codes when your request couldn't be processed. For example, you can expect a 400-level error code if there's an error with your

request. In rare events, you may receive a 500-level error code if an error occurs within ClickTime itself.

Routes

All routes have changed, so please update your code and/or custom functionality accordingly. These changes include the base URI and the individual resources.

Data Structure

In general, the responses will now be returned in the Data object.

Pagination

Whereas REST 1.3 was typically limited to returning a maximum of 500 entities, REST v2 supports pagination so that you can return your entire lists. With REST v2, lists of result objects will be returned with a default page size of 100 records and usually with a maximum of 1,000. There are, however, a few endpoints that have a lower limit and “report” endpoints typically have larger limits. To access subsequent pages of results or to alter the number of records per page, clients can use the `offset` and `limit` query parameters. `limit` sets the number of resources returned and `offset` defines how many results to skip.