
+

•

○

Alpha Anywhere Q&A

March 16, 2022



Alpha DevCon 2022

A 4-day virtual event for Alpha developers around the globe.

October 18-21, 2022

Register

Join us at the premier virtual event for Alpha innovations!



Register at
www.alphasoftware.com/devcon2022




API Authentication Part 2

Limiting who can access what



What is Authentication

- The act of proving an assertion
- Example: Login
 - Username, Password, 2FA



Why Authenticate your APIs?

- Limit who can access your API
- Limit what someone can access in your API
- Rate Limiting
- Auditing

Authentication Methods



BASIC/BEARER
AUTHENTICATION



API KEYS



OAUTH (2.0)



API Key Authentication

- User request and API Key from your system
- You provide a key they then use on all request
- API key proves they are permitted access

+

•

○

HTTP Status Codes

- Five Types:
 - 1xx: Informational – Communicates transfer protocol-level information.
 - 2xx: Success – Client's request was successful.
 - 3xx: Redirection – Client must take additional action to complete the request
 - 4xx: Client Error – The client did something wrong
 - 5xx: Server Error – You did something wrong



Key Status Codes

- 200 Success - API Call successful
- 400 Bad Request - Request is incorrect
- 401 Unauthorized - Authentication required but missing
- 403 Forbidden - Not authorized
- 418 I'm a teapot - Tried to brew coffee using a teapot

Previously

A hand holding a set of keys, with a blurred background of a city street. The image is overlaid with a semi-transparent blue and orange gradient. The word 'Previously' is written in white text on the left side.

- Generated and tested a Web Service for our data
- Created a component for handling API Key request
- Generated key using simple UUID

Today

- Clean-up key generation
- Implement key authentication