project44

An Introduction to project44's API

For more information, or to schedule a demo, contact:

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APIs make it easier to connect to your carriers and other capacity providers to obtain rate quotes, dispatch and track shipments, and retrieve the documents needed for invoicing and reconciling payments. To get up and running quickly, project44 has designed the Core Services API to be easy to use and simple to test.

API Overview

The project44 API is a RESTful API, allowing you to work with objects using familiar HTTP verbs. A testing sandbox is also available to use when developing and testing applications.

Retrieving Data from project44
With push and pull capabilities for retrieving status updates, project44 can push data through a RESTful endpoint that you have set up or you can request an update from p44's system.

Leveraging Existing Integrations
By leveraging existing integrations with project44's partners, configuration and development work required by your IT team will be minimal.

Required Fields to Get Started
To get started, there are several required fields. Beyond the minimum data needed to initiate shipments, setting up additional fields and configurations will allow your organization to access more information and gain more value.

project44's API documentation outlines all possible fields with additional details and requirements.

Don't have support for JSON? If you require your application to work with data in XML format, we'll work with you to implement an alternate method.

Supported Data Format

The project44 API uses JSON as the default format. JSON is a string representation of a key/value pair where the values can be arrays, strings, integers or even full objects. The key names enable JSON parsers to quickly scan through the records and convert them into objects developers can interact with in code. JSON is inherently more efficient than XML and is lightweight, which means existing objects and collections can be serialized and deserialized quickly and easily.

Best Practices for Building to RESTful APIs

Allow unexpected fields. Fields can dynamically change, and your model should be built to handle these changes. We will frequently add fields to our API.

Allow Unknown, Omitted, or Null Fields within the API response unless documentation specifically indicates otherwise.

Always implement retries when a 500 Error code is returned, with some level of back-off strategy in order to not retry infinitely. Each retry should wait longer than the one before, and the most common strategy is to double the wait time after each retry.

Do not write code to read the response directly. Define a model class and use a JSON parser library deserialize API Response into the object. Use data off the objects.

Support for Authentication

The Core Services API is available to project44 customers and integration partners, and all the API endpoints require authentication. The project44 API offers authentication through HTTP Basic over HTTPS. Most client software will build the required authentication header automatically.

Don't have support in your client software? If your client software doesn't provide this support, you can manually construct and send basic authentication headers.

Security Overview

project44 handles the data and analytics of a significant percentage of the global supply chain. We have a serious commitment to maintaining the security and protection of customer and partner data as well as the project44 platform and infrastructure.

Customer Data Protection
Data security and data privacy drive many of the policies at project44. End-to-end protection of customer data is achieved through encryption in-transit (TLS 1.2) and at rest (AES 256). Protections and handling are supported by appropriate data classification ensuring proper handling. Production data is never moved outside of the production environment and all QA data is generated with non-customer data. All production data and systems are restricted, logged, and audited.

Have more questions about our APIs or how we keep data secure?
Contact us at:
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To learn more about project44's security and data privacy posture, including information about vulnerability management and testing, read our Security and Reliability Overview.

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project44 is the world's leading advanced visibility platform for shippers and logistics services providers. project44 connects, automates and provides visibility into key transportation processes to accelerate insights and shorten the time it takes to turn those insights into actions.

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