

API Quick Start

InfluxDB offers a rich API and [client libraries](#) ready to integrate with your application. Use popular tools like Curl and [Postman](#) for rapidly testing API requests.

This section will guide you through the most commonly used API methods.

For detailed documentation on the entire API, see [InfluxDBv2 API Reference](#).

If you need to use InfluxDB 2.3 with **InfluxDB 1.x** API clients and integrations, see the [1.x compatibility API](#).

Bootstrap your application

With most API requests, you'll need to provide a minimum of your InfluxDB URL, Organization, and Authorization Token.

[Install InfluxDB OSS v2.x](#) or upgrade to an [InfluxDB Cloud account](#).

Authentication

InfluxDB uses [API tokens](#) to authorize API requests.

1. Before exploring the API, use the InfluxDB UI to [create an initial API token](#) for your application.
2. Include your API token in an
Authentication: Token YOUR_API_TOKEN HTTP header with each request.

curl Node.js

```
#####  
# Use a token in the Authorization header  
# to authenticate with the InfluxDB 2.x API.  
#####  
  
curl --get "http://localhost:8086/api/v2" \  
  --header "Authorization: Token YOUR_API_TOKEN" \  
  --header 'Content-type: application/json' \  
  --data-urlencode "db=mydb" \  
  --data-urlencode "q=SELECT * FROM cpu_usage"
```

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Postman is another popular tool for exploring APIs. See how to [send authenticated requests with Postman](#).

Buckets API

Before writing data you'll need to create a Bucket in InfluxDB. [Create a bucket](#) using an HTTP request to the InfluxDB API `/buckets` endpoint.

```
INFLUX_TOKEN=YOUR_API_TOKEN  
INFLUX_ORG_ID=YOUR_ORG_ID
```

```
curl --request POST \  
  "http://localhost:8086/api/v2/buckets" \  
  --header "Authorization: Token YOUR_API_TOKEN" \  
  --header "Content-type: application/json" \  
  --data '{"name": "mybucket", "org": "myorg"}'
```

```
--header "Authorization: Token ${INFLUX_TOKEN}" \  
--header "Content-type: application/json" \  
--data '{  
  "orgID": "'${INFLUX_ORG_ID}'",  
  "name": "iot-center",  
  "retentionRules": [  
    {  
      "type": "expire",  
      "everySeconds": 86400,  
      "shardGroupDurationSeconds": 0  
    }  
  ]  
}'
```

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Write API

[Write data to InfluxDB](#) using an HTTP request to the InfluxDB API `/write` endpoint.

Query API

[Query from InfluxDB](#) using an HTTP request to the `/query` endpoint.

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InfluxDB Cloud and InfluxDB Enterprise customers can [contact InfluxData Support](#).

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