

# Quickstart

This quickstart shows you how to call the Gas API using JavaScript. You can also use a tool such as [cURL](#) or [Postman](#) to call the REST APIs.

tip View the [API reference content](#) to view the `curl` command for each API.

## Prerequisites

- A valid [API key](#)
- and [API key secret](#)
- .
- [Node.js and npm installed](#)
- .

## Initialize a new project directory

```
mkdir new_project cd new_project npm init -y
```

## Install required packages

Install the `axios` package:

```
npm install axios
```

Install the `dotenv` package:

```
npm install dotenv
```

## Create your .env

file

Create a `.env` file at the project root and add the following data:

`INFURA_API_KEY=` `INFURA_API_KEY_SECRET=` Replace the Infura project credential placeholders with your own.

danger Do not commit the `.env` file to your repository if it contains sensitive data. You can [create a .gitignore file](#) to prevent accidentally committing the file.

## Create your script

```
touch index.js
```

Copy the following code into your script:

info If using a network other than Ethereum Mainnet, then update the `chainId` value (1) in the code to an alternate [supported network](#) .

```
const axios =
```

```
require ( "axios" ) ; require ( "dotenv" ) . config ( ) ;
```

```
const
```

```
Auth
```

```
=
```

```
Buffer . from ( process . env . INFURA_API_KEY
```

```
+
```

```
","
```

```
+ process . env . INFURA_API_KEY_SECRET , ) . toString ( "base64" ) ;
```

```
// The chain ID of the supported network const chainId =
```

```
1 ;
```

```
( async
```

```
( )
```

```

=>
{ try
{ const
{ data }
=
await axios . get ( https://gas.api.infura.io/networks/ { chainId } /suggestedGasFees , { headers :
{ Authorization :
Basic { Auth } , } , } , ) ; console . log ( "Suggested gas fees:" , data ) ; }
catch
( error )
{ console . log ( "Server responded with:" , error ) ; } } ( ) ;

```

## Run the script

node index.js The result should look similar to:

```

Suggested gas fees: { low: { suggestedMaxPriorityFeePerGas: '0.05', suggestedMaxFeePerGas: '24.086058416',
minWaitTimeEstimate: 15000, maxWaitTimeEstimate: 30000 }, medium: { suggestedMaxPriorityFeePerGas: '0.1',
suggestedMaxFeePerGas: '32.548678862', minWaitTimeEstimate: 15000, maxWaitTimeEstimate: 45000 }, high: {
suggestedMaxPriorityFeePerGas: '0.3', suggestedMaxFeePerGas: '41.161299308', minWaitTimeEstimate: 15000,
maxWaitTimeEstimate: 60000 }, estimatedBaseFee: '24.036058416', networkCongestion: 0.7143, latestPriorityFeeRange: [
'0.1', '20' ], historicalPriorityFeeRange: [ '0.007150439', '113' ], historicalBaseFeeRange: [ '19.531410688', '36.299069766' ],
priorityFeeTrend: 'down', baseFeeTrend: 'down' }

```

Last updated on Apr 19, 2024 [Previous Gas API](#) [Next Supported networks](#)