Quickstart

This quickstart guide will help you set up and make calls on the Mantle network using the Infura endpoints.

Don't have an Infura account? Sign up for our free plan and start using the Mantle network!

[Sign up](#)

Prerequisites

Ensure you have an[API key](#) with the Mantle networked enabled.

Make calls

cURL

Run the following command in your terminal. ReplaceYOUR-API-KEY with your actual Infura API key.

curl https://mantle-mainnet.infura.io/v3/YOUR-API-KEY \ -X POST \ -H "Content-Type: application/json" \ -d '{"jsonrpc":"2.0","method":"eth_blockNumber","params":[],"id":1}'

Node (JavaScript)

In these examples, you'll use[NPM](#) as your package manager.

Node Fetch

1. In your project folder, install thenode-fetch
2. module usingnpm
3. :
4. npm i node-fetch
5. Create your JavaScript file and copy the following code:
6. ReplaceYOUR-API-KEY
7. with your actual Infura API key.
8. index.js
9. import
10. fetch
11. from
12. 'node-fetch'
13. ;
14. fetch
15. (
16. "https://mantle-mainnet.infura.io/v3/YOUR-API-KEY"
17. ,
18. {
19. method
20. :
21. "POST"
22. ,
23. headers
24. :
25. {
26. "Content-Type"
27. :
28. "application/json"
29. }
30. ,
31. body
32. :
33. JSON
34. .
35. stringify
36. (
37. {
38. jsonrpc
39. :

40. "2.0"
41. ,
42. method
43. :
44. "eth_blockNumber"
45. ,
46. params
47. :
48. [
49.]
50. ,
51. id
52. :
53. 1
54. }
55.)
56. }
57.)
58. .
59. then
60. (
61. response
62. =>
63. response
64. .
65. json
66. (
67.)
68.)
69. .
70. then
71. (
72. data
73. =>
74. {
75. console
76. .
77. log
78. (
79. data
80.)
81. ;
82. }
83.)
84. .
85. catch
86. (
87. error
88. =>
89. {
90. console
91. .
92. error
93. (
94. error
95.)
96. ;
97. }
98.)
99. ;
100. Run the code using the following command:
101. node index.js

Axios

1. In your project folder, install the Axios package usingnpm
2. :
3. npm i axios

4. Create your JavaScript file and copy the following code:
5. ReplaceYOUR-API-KEY
6. with your actual Infura API key.
7. index.js
8. const
9. axios
10. =
11. require
12. (
13. 'axios'
14.)
15. ;
16. axios
17. .
18. post
19. (
20. 'https://mantle-mainnet.infura.io/v3/YOUR-API-KEY'
21. ,
22. {
23. jsonrpc
24. :
25. '2.0'
26. ,
27. method
28. :
29. 'eth_blockNumber'
30. ,
31. params
32. :
33. [
34.]
35. ,
36. id
37. :
38. 1
39. }
40.)
41. .
42. then
43. (
44. response
45. =>
46. {
47. console
48. .
49. log
50. (
51. response
52. .
53. data
54.)
55. ;
56. }
57.)
58. .
59. catch
60. (
61. error
62. =>
63. {
64. console
65. .
66. error
67. (
68. error
69.)
70. ;
71. }

72.)
73. ;
74. Run the code using the following command:
75. node index.js

Ethers

1. In your project folder, install the ethers package usingnpm
2. :
3. npm install ethers
4. Create your JavaScript file and copy the following code:
5. ReplaceYOUR-API-KEY
6. with your actual Infura API key.
7. index.js
8. const
9. ethers
10. =
11. require
12. (
13. 'ethers'
14.)
15. ;
16. const
17. provider
18. =
19. new
20. ethers
21. .
22. providers
23. .
24. JsonRpcProvider
25. (
26. 'https://mantle-mainnet.infura.io/v3/YOUR-API-KEY'
27.)
28. ;
29. provider
30. .
31. getBlockNumber
32. (
33.)
34. .
35. then
36. (
37. blockNumber
38. =>
39. {
40. console
41. .
42. log
43. (
44. blockNumber
45.)
46. ;
47. }
48.)
49. .
50. catch
51. (
52. error
53. =>
54. {
55. console
56. .
57. error
58. (
59. error
60.)
61. ;

62. }
63.)
64. ;
65. Run the code using the following command:
66. node index.js

Python

1. In your project folder, install therequests
2. library:
3. pip install requests
4. Create your Python file and copy the following code:
5. ReplaceYOUR-API-KEY
6. with your actual Infura API key.
7. index.py
8. import
9. requests
10. import
11. json
12. url
13. =
14. 'https://mantle-mainnet.infura.io/v3/YOUR-API-KEY'
15. payload
16. =
17. {
18. "jsonrpc"
19. :
20. "2.0"
21. ,
22. "method"
23. :
24. "eth_blockNumber"
25. ,
26. "params"
27. :
28. [
29.]
30. ,
31. "id"
32. :
33. 1
34. }
35. headers
36. =
37. {
38. 'content-type'
39. :
40. 'application/json'
41. }
42. response
43. =
44. requests
45. .
46. post
47. (
48. url
49. ,
50. data
51. =
52. json
53. .
54. dumps
55. (
56. payload
57.)
58. ,
59. headers
60. =

61. headers
62.)
63. .
64. json
65. (
66.)
67. print
68. (
69. response
70.)
71. Run the code using the following command:
72. python index.py

Next steps

Now that you have successfully made a call to the Mantle network, you can explore more functionalities and APIs provided by Infura. Here are some suggestions:

- Explore other Mantle APIs
- : Infura supports a wide range of APIs. You can find more information in the JSON-RPC API method documentation
- .
- Try out different networks
- : Infura supports multiple networks including Ethereum, Linea, Polygon, Optimism, and more.
- Monitor your usage
- : Review your usage on the Infura dashboard
- to
- ensure you're not hitting your rate limits.

Remember, the Infura community is here to help. If you have any questions or run into any issues, check out the Infura community for help and answers to common questions.

Last updatedonJun 5, 2024 Previous Mantle Next Supported networks