Enable API request forwarding

For Polygon JSON-RPC methods, you can request failover protection by adding the failover header to your API request usingcURL ,Web3.js ,Ethers.js , or any other language of your choice.

For more information about this feature, including our partner and their privacy information, seeFailover protection .

Request

In the code tabs, theeth_blockNumber method is used as an example.

- cURL
- Web3.js
- Ethers.js

```
curl https://polygon-mainnet.infura.io/v3/YOUR-API-KEY \ -X POST \ -H "Enable-Failover: true" \ -d '{"jsonrpc":"2.0","method":"eth_blockNumber","params": [],"id":1}' const { Web3 } = require('web3'); const https = require('https');

const options = { headers: { "Enable-Failover": "true", }, };

const provider = new https.Agent(options);

const web3 = new Web3(new Web3.providers.HttpProvider('https://polygon-mainnet.infura.io/v3/YOUR-API-KEY', { agent: provider }));

web3.eth.getBlockNumber().then(console.log); const ethers = require('ethers'); const fetch = require('node-fetch');

class InfuraJsonRpcProvider extends ethers.providers.JsonRpcProvider { constructor(network, apiKey) { super(network, apiKey); this.fetchFunc = async (url, json, processFunc) => { const response = await fetch(url, { method: 'POST', body: json.body, headers: { 'Content-Type': 'application/json', 'Enable-Failover': 'true' } });

const text = await response.text(); const fetchJsonResponse = { jsonrpc: json.jsonrpc, id: json.id, result: JSON.parse(text).result, error: JSON.parse(text).error };

return processFunc(fetchJsonResponse); }; } }

const provider = new InfuraJsonRpcProvider('https://polygon-mainnet.infura.io/v3/YOUR-API-KEY');

provider.getBlockNumber().then((blockNumber) => { console.log(blockNumber); });
```

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