Subscribe to events

UseWebSockets tosubscribe to events on the blockchain. For example, monitor an NFT smart contract to alert you when a new NFT is minted.

Stateless HTTP WebSockets are supported, however, we recommend using the WSS protocol to set up bidirectional stateful subscriptions.

info For users onInfura's credit pricing plan , subscribing and unsubscribing to events using theeth_subscribe andeth_unsubscribe methods consume credits from your daily quota. Credits are consumed for these actions to prevent spamming, even if no valuable data is sent.

View theWebSocket pricing information for a breakdown of the costs. Ensure you are aware of the following when sending HTTP RPC requests:

- Silent failures -Users need to manage client-side silent failures
- .
- Load balancing - Unlike HTTP requests, WSS requests are not load-balanced to the fastest possible server.
- Retries - Retrying failed WebSocket requests typically requires custom JSON-RPC ID-based tracking, whereas support for
- retrying failed HTTP requests often is automatic, or easily configured.
- Status codes - WebSockets use its own set ofstatus codes
- to provide users with a disconnection reason. The service responds with the standardEVM response codes
- for each JSON-RPC request.

Example event subscription

The following WebSocket subscription example fires a notification each time a new header is appended to the chain:

wscat -c wss://zksync-mainnet.infura.io/ws/v3/

> {"jsonrpc": "2.0", "method": "eth_subscribe", "params": ["newHeads"], "id": 1}

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