

eth_subscribe

Creates a new subscription for particular events. The node returns a subscription ID. For each event that matches the subscription, a notification with relevant data is sent together with the subscription ID.

Parameters

Specify one of the following subscription events:

- newHeads
- : Subscribing to this returns a notification each time a new header is appended to the chain, including chain reorganizations. In a chain reorganization, the subscription emits all new headers for the new chain. Therefore the subscription can emit multiple headers at the same height.
- logs
- : Returns logs that are included in new imported blocks and match the given filter criteria. In case of a chain reorganization, previously sent logs that are on the old chain are resent with the removed property set to true
- . Logs from transactions that ended up in the new chain are emitted. Therefore a subscription can emit logs for the same transaction multiple times. This parameter has the following fields:
 - .
 - address
 - : (optional
 -) Either an address or an array of addresses. Only logs that are created from these addresses are returned.
 - topics
 - : (optional
 -) Only logs that match these specified topics are returned.
- Infura Recommendation
- We strongly recommend specifying a filter (address
- or topics
- or both) when subscribing to the logs
- event.

Returns

- subscription ID
- : The ID of the newly created subscription on the node.

Example

Replace YOUR-API-KEY with an API key from your [Infura dashboard](#).

WebSocket connections only Subscription methods are available for [WebSocket](#) connections only.

Request

- newHeads
- logs

```
wscat -c wss://celo-mainnet.infura.io/ws/v3/YOUR-API-KEY -x {"jsonrpc": "2.0", "id": 1, "method": "eth_subscribe", "params": ["newHeads"]} wscat -c wss://celo-mainnet.infura.io/ws/v3/YOUR-API-KEY -x {"jsonrpc": "2.0", "id": 1, "method": "eth_subscribe", "params": ["logs", {"address": "0x8320fe7702b96808f7bbc0d4a888ed1468216cdf", "topics": ["0xd78a0cb0bb633d06981248b81e67bd33c2a35a6089241d099fa519e361cab902"]}]}
```

Response

- New subscription
- newHeads subscription
- logs subscription

[illegible]

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