

Supported Networks

You can find our currently supported networks and products for each network below. Blocknative constantly adds new networks and product support for those networks.

Overview

Blocknative products support the below networks at various levels. Mempool Explorer and web3-onboard work with any networks with [Core](#) support. For details on each feature under the networks, please see the [Feature Details section](#).

Ethereum Based Systems

Mainnet

Network Id: 1

- Core
- Decode
- Replace
- Trace
- Revert
- Simulation Platform
- Gas Platform
- MEV Bundle RPC Endpoint
- MEV Relay
-

Goerli

Network Id: 5

- Core
- Decode
- Replace
- Trace
- Revert
- Simulation Platform
- Gas Platform
- MEV Bundle RPC Endpoint
- MEV Relay
-

Gnosis Chain (formerly xDai)

Network Id: 100

- Core
- Decode
- Replace
- Trace
- Revert
- Simulation Platform
- Gas Platform
-

Polygon - Mainnet

Network Id: 137

- Core
- Decode
- Replace
- Trace
- Revert
- Simulation Platform
- Gas Platform
-

Polygon - Mumbai

Network Id: 80001

- Core
- Decode
- Replace
- Trace
- Revert
- Simulation Platform
- Gas Platform
-

Feature Details

Descriptions of the feature areas identified in Chain Feature Support summary table.

Core

Core notifications include the basic detection of entry into mempool (pending) and addition to chain (confirmed ,failed). Watching an address will only receive core notifications if the address is the from or to field in the transaction.

Decode

Decoding enables inspection of the input field for contract calls, either automatically or via user input of ABI. Watching an address that is part of the input parameters to the contract will trigger relevant core notifications. Notification payloads will include the contractCall structure.

Replace

Replacement notifications include speedup and cancel . A watched transaction will receive a notification when that transaction is replaced and the notification will include a reference to the replacing tx.

Notify automatically switch the watched transaction to the replacement so further state changes can be notified.

Trace

Tracing enables inspection of the internal calls of finalized transactions (confirmed ,failed). Watching an address that is part of an internal call, but not an address in the from or to fields, will receive finalized state notifications and the payload will include the internalTransactions structure.

If a watched address is in the from or to field, a core notification is sent, but no trace notification is sent since each transaction state is sent only once to each receiver.

Revert

Revert enables determination of the reason message for failed transactions. Watching a transaction, or the transactions of a watched address, will include a value in the reason field for failed transactions if a value exists (i.e. is output by the contract after EVM execution).

Simulation Platform

[Simulation platform](#) enables inspection of internal calls of pending transactions. Watching an address that is part of an internal call, but not an address in the from or to fields, will receive pending-simulation notifications and the payload will include the internalTransactions structure.

pending-simulation notifications are delivered in addition to any of the other notifications. For example, users can receive both pending and pending-simulation notifications.

Gas Platform

Gas platform provides a feed of the distribution of gas prices in the mempool and a payload based on a predictive model of gas prices for confirmation in the next block. For more information please [visit Gas Platform docs](#) .

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