GraphQL API

The Hyperlane agents collect useful information about activity on the system, including all messages. That data can be queried via APIs. These APIs are currently available free of charge and without any required authentication. Connect your preferred GraphQL client or library tohttps://api.hyperlane.xyz/v1/graphql to query data!

Example Query

The following query will retrieve useful information about a message:

```
query

MyQuery

{ message_view ( limit :

10 ,

where :

{ msg_id :

{ _eq :

"\xYOUR_MSG_ID" } } )

{ msg_id nonce sender recipient is_delivered message_body origin_mailbox origin_domain_id origin_chain_id
origin_block_id origin_block_height origin_block_hash origin_tx_sender origin_tx_recipient origin_tx_nonce
origin_tx_max_priority_fee_per_gas origin_tx_max_fee_per_gas origin_tx_id origin_tx_hash origin_tx_gas_used
origin_tx_gas_price origin_tx_gas_limit origin_tx_effective_gas_price origin_tx_cumulative_gas_used destination_block_id
destination_block_hash destination_block_height destination_chain_id destination_domain_id destination_mailbox
destination_tx_cumulative_gas_used destination_tx_effective_gas_price destination_tx_gas_limit destination_tx_gas_price
destination_tx_gas_used destination_tx_hash destination_tx_id destination_tx_max_fee_per_gas
destination_tx_max_priority_fee_per_gas destination_tx_nonce destination_tx_recipient destination_tx_sender
send_occurred_at delivery_occurred_at delivery_latency num_payments total_payment total_gas_amount } }
```

GraphQL Schema Types

```
type

message_view

{ msg_id :

bytea nonce :

Int ! sender :

bytea recipient :

bytea is_delivered :

Boolean ! message_body :

bytea origin_mailbox :

bytea origin_domain_id :

Int ! origin_chain_id :

Int ! origin_block_id :

Int ! origin_block_height :

Int ! origin_block_hash :

bytea origin_tx_sender :

bytea origin_tx_recipient :

bytea origin_tx_nonce :
```

```
Int ! origin_tx_max_priority_fee_per_gas :
Int ! origin_tx_max_fee_per_gas :
Int ! origin_tx_id :
Int ! origin_tx_hash :
bytea origin_tx_gas_used :
Int ! origin_tx_gas_price :
Int ! origin_tx_gas_limit :
Int ! origin_tx_effective_gas_price :
Int ! origin_tx_cumulative_gas_used :
Int ! destination_block_id :
Int ! destination_block_hash :
bytea destination_block_height :
Int ! destination_chain_id :
Int ! destination_domain_id :
Int ! destination_mailbox :
bytea destination_tx_cumulative_gas_used :
Int ! destination_tx_effective_gas_price :
Int ! destination_tx_gas_limit :
Int ! destination_tx_gas_price :
Int ! destination_tx_gas_used :
Int ! destination_tx_hash :
bytea destination_tx_id :
Int ! destination_tx_max_fee_per_gas :
Int ! destination_tx_max_priority_fee_per_gas :
Int ! destination_tx_nonce :
Int ! destination_tx_recipient :
bytea destination_tx_sender :
bytea send_occurred_at :
timestamp ! delivery_occurred_at :
timestamp ! delivery_latency :
Int ! num_payments :
Int ! total_payment :
Int ! total_gas_amount :
Int ! }
type
block
{ domain :
```

```
Int ! domainByDomain :
domain ! hash :
String ! height :
bigint ! id :
bigint ! time_created :
timestamp ! timestamp :
timestamp ! }
type
domain
{ chain_id :
bigint id :
Int ! is_deprecated :
Boolean ! is_test_net :
Boolean ! name :
String ! native_token :
String ! time_created :
timestamp ! time_updated :
timestamp ! }
type
gas_payment
{ amount :
numeric ! domain :
Int ! domainByDomain :
domain ! id :
bigint ! msg_id :
String time_created :
timestamp ! transaction :
transaction ! tx_id :
bigint ! }
type
transaction
{ block :
block ! block_id :
bigint ! checkpoint_updates :
[ checkpoint_update ! ] ! cumulative_gas_used :
float8 ! delivered_messages :
[ delivered_message ! ] ! effective_gas_price :
```

float8 gas_limit :

float8 ! gas_payments :

[gas_payment !] ! gas_price :

float8 gas_used :

float8 ! hash :

String ! id :

bigint ! max_fee_per_gas :

float8 max_priority_fee_per_gas :

float8 messages :

[message !] ! nonce :

bigint ! recipient :

String sender :

String ! time_created :

timestamp ! } Edit this page Previous Configuring New Chains in the Hyperlane ExplorerNext Create your own Hook & ISM