

GenLayer JSON-RPC Operations

POST http://127.0.0.1:4000/api

The GenLayer JSON-RPC uses a single endpoint (`/api`). Multiple operations are performed through this endpoint by specifying different `"method"` values within the request body.

Available Operations

- **create_db:** Initializes the database.
- **create_tables:** Creates necessary tables.
- **create_account:** Registers a new account.
- **fund_account:** Adds funds to a specified account.
- **send_transaction:** Transfers currency between accounts.
- **deploy_intelligent_contract:** Deploys a new contract.
- **call_contract_function:** Executes a function on a deployed contract.
- **count_validators:** Counts the number of active validators.
- **create_random_validators:** Adds a specified number of validators with random stakes.
- **delete_all_validators:** Removes all validators.
- **last_contracts:** Retrieves the most recent contracts deployed.

Testing the operations

- **Examples Dropdown:** Click on the dropdown list to switch between operations and see how different scenarios are handled.
- **Response Example:** Use the dropdown list in the response section to view potential outcomes for each operation.

Body Examples

```

1  {
2    "id": 1,
3    "method": "create_db",
4    "params": [],
5    "jsonrpc": "2.0"
6  }

```

Local server for GenLayer oper

Request Sample: Shell / cURL

```

curl --request POST \
  --url http://127.0.0.1:4000/api \
  --header 'Accept: application/json' \
  --header 'Content-Type: application/json' \
  --data '{
    "id": 1,
    "method": "create_db",
    "params": [],
    "jsonrpc": "2.0"
  }'

```

Response Example: ResponseCreatedDB

```

1  {
2    "id": 1,
3    "result": {
4      "data": "Database creat
5    }
6  }

```

genlayer

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GenLayer JSON RPC

APIS

JSON-RPC API for GenLayer Operations

GenLayer JSON-RPC Operations **POST**

Body

application/json

JSON-RPC request payload

- jsonrpc** string
Example: 2.0
- method** string
Method to be invoked
- params** array[string]
Parameters for the method, if any
- id** integer
Identifier for the request

Responses

200

Server response depending on the method invoked

Body

application/json

responses / 200

- id** integer
- result** object
- error** object