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### Data Sources

Define your input data sources from on-chain smart contracts.

### **Overview**

Each "data source" within a subgraph manifest corresponds to an Ethereum contract on a specific network.

For example, the following data source pulls Compound v3 data for the USDC deployment:

specVersion: 0.0.5 schema: file: ./schema.graphql dataSources: - kind: ethereum name: Comet network: mainnet source: address: "0xc3d688B66703497DAA19211EEdff47f25384cdc3" abi: Comet startBlock: 15331586 mapping: ... Seefull specification for more details.

# Adding a Data Source

To add a new data source to an existing subgraph, you can use the graph add CLI command:

graph add

II

#### Options:

--abi <path> Path to the contract ABI (default: download from Etherscan)

--contract-name Name of the contract (default: Contract)

Whether to merge entities with the same name (default: false) --merge-entities

--network-file <path> Networks config file path (default: "./networks.json")

# Proxy Contracts

EVM protocols often use aproxy contract that points to animplementation contract for the sake of upgradeability.

Event log and transaction data is associated with theproxy contract address, but need to be decoded using theimplementation contract ABI. Because of this, you'll likely need to download theimplementation contract ABI and associate it with theproxy contract address in your data source.

# Factory Contracts

Another common pattern is to use factory or registry contracts that create and manage other smart contracts.

In order to handle sub-contracts that are dynamically created, you'll need to us  $\underline{\text{Oata Source Templates}}$ .

Updated 5 months ago

<u>Project Structure</u> <u>Moving your Subgraph to Production</u> Did this page help you?Yes No