

## MONGODB ATLAS

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## Sample Analytics Dataset

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The `sample_analytics` database contains three collections for a typical financial services application. It has customers, accounts, and transactions. These are used as part of the exercises for the MongoDB Training on Data Analysis.

To learn how to load the sample data provided by Atlas into your cluster, see [Load Sample Data](#).

## Collections

The `sample_analytics` database contains the following collections:

Collection Name	Description
<code>accounts</code>	Contains details on customer accounts.
<code>customers</code>	Contains details on customers.
<code>transactions</code>	Contains customer transactions.

**sample\_analytics.accounts**

This collection contains account details for `users`. Each document contains an account id, a limit and the products that a customer has purchased.

## Indexes

The `sample_analytics.accounts` collection contains the following indexes:

Name	Index	Description
<code>_id</code>	<code>{ "_id": 1 }</code>	Primary key index on the <code>_id</code> field.

## Sample Document

```
{  
  "account_id": 470650,  
  "limit": 10000,  
  "products": [  
    "CurrencyService",  
    "Commodity",  
    "InvestmentStock"  
  ]  
}
```

**sample\_analytics.customers**

This collection contains customer details, including what `accounts` they hold. Each document contains a username, name, address, birth date, email address, a list of the accounts held, and details on the tiers and related benefits they are entitled to.

## Indexes

The `sample_analytics.customers` collection contains the following indexes:

Name	Index	Description
<code>_id</code>	<code>{ "_id": 1 }</code>	Primary key index on the <code>_id</code> field.

## Sample Document

```
{  
  "username": "lejoshua",  
  "name": "Michael Johnson",  
  "address": "15989 Edward Inlet\nLake Maryton, NC 39545",  
  "birthdate": {"$date": 54439275000},  
  "email": "courtneypaul@example.com",  
  "accounts": [  
    470650,  
    443178  
  ],  
  "tier_and_details": {  
    "b5f19cb532fa436a9be2cf1d7d1cac8a": {  
      "tier": "Silver",  
      "benefits": [  
        "dedicated account representative"  
      ],  
      "active": true,  
      "id": "b5f19cb532fa436a9be2cf1d7d1cac8a"  
    }  
  }  
}
```

**sample\_analytics.transactions**

This collection contains transactions details for `users`. Each document contains an account id, a count of how many transactions are in this set, the start and end dates for transactions covered by this document, and a list of sub documents. Each sub document represents a single transaction and the related information for that transaction.

## Indexes

The `sample_analytics.transactions` collection contains the following indexes:

Name	Index	Description
<code>_id</code>	<code>{ "_id": 1 }</code>	Primary key index on the <code>_id</code> field.

## Sample Document

```
{  
  "account_id": 794875,  
  "transaction_count": 6,  
  "bucket_start_date": {"$date": 693792000000},  
  "bucket_end_date": {"$date": 1473120000000},  
  "transactions": [  
    {  
      "date": {"$date": 1325030400000},  
      "amount": 1197,  
      "transaction_code": "buy",  
      "symbol": "nvda",  
      "price": "12.7330024299341033611199236474931240081787109375",  
      "total": "15241.40390863112172326054861"  
    },  
    {  
      "date": {"$date": 1465776000000},  
      "amount": 8797,  
      "transaction_code": "buy",  
      "symbol": "nvda",  
      "price": "46.53873172406391489630550495348870754241943359375",  
      "total": "409401.2229765902593427995271"  
    },  
    {  
      "date": {"$date": 1472601600000},  
      "amount": 6146,  
      "transaction_code": "sell",  
      "symbol": "ebay",  
      "price": "32.11600884852845894101847079582512378692626953125",  
      "total": "197384.9903830559086514995215"  
    },  
    {  
      "date": {"$date": 1101081600000},  
      "amount": 253,  
      "transaction_code": "buy",  
      "symbol": "amzn",  
      "price": "37.774122615756694472111212857067584991455078125",  
      "total": "9556.92630217864370144411369"  
    },  
    {  
      "date": {"$date": 1022112000000},  
      "amount": 451,  
      "transaction_code": "buy",  
      "symbol": "nvda",  
      "price": "10.763069758141103449133879621513187885284423828125",  
      "total": "48659.83837655592869353426977"  
    },  
    {  
      "date": {"$date": 936144000000},  
      "amount": 955,  
      "transaction_code": "buy",  
      "symbol": "cisco",  
      "price": "26.992136535152873044123190920799706268310546875",  
      "total": "26732.4963910709756407137547"  
    },  
  ]  
}
```

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