HYPERLEDGER CALIPER

Basic information

DLT: fabric

Name: insert-historical-data-offer-benchmark

Description: Benchmarking the Hyperledger Fabric network with the InsertTestHistoricalDataOffer function

Benchmark Rounds: 8

Details

Benchmark results

Summary

insert-historical-data-offer-1000-fixed-load

insert-historical-data-offer-2000-fixed-load

insert-historical-data-offer-3000-fixed-load

insert-historical-data-offer-4000-fixed-load

insert-historical-data-offer-8000-fixed-load

insert-historical-data-offer-16000-fixed-load

insert-historical-data-offer-32000-fixed-load

insert-historical-data-offer-64000-fixed-load

System under test

Details

Caliper report

Summary of performance metrics

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-historical-data-offer-1000-fixed-load	1321	0	22.2	2.15	0.12	0.40	21.4
insert-historical-data-offer-2000-fixed-load	2920	0	49.2	1.24	0.12	0.32	49.0
insert-historical-data-offer-3000-fixed-load	3856	0	64.9	2.29	0.13	0.44	63.1
insert-historical-data-offer-4000-fixed-load	3974	0	66.9	2.21	0.13	0.61	64.7
insert-historical-data-offer-8000-fixed-load	4047	0	67.0	2.35	0.16	0.79	66.1
insert-historical-data-offer-16000-fixed-load	4125	0	69.2	2.26	0.17	0.98	67.3
insert-historical-data-offer-32000-fixed-load	4191	0	69.7	2.38	0.15	1.10	67.1
insert-historical-data-offer-64000-fixed-load	4218	0	70.0	2.72	0.17	1.29	68.8

Benchmark round: insert-historical-data-offer-1000-fixed-load

Benchmarking the InsertTestHistoricalDataOffer function with a data size of 1000 bytes at a fixed load.

```
txDuration: 60
rateControl:
  type: fixed-load
  opts:
    transactionLoad: 10
    startingTps: 1
```

Performance metrics for insert-historical-data-offer-1000-fixed-load

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-historical-data-offer-1000-fixed-load	1321	0	22.2	2.15	0.12	0.40	21.4

Resource utilization for insert-historical-data-offer-1000-fixed-load

Resource monitor: prometheus

Metric	Prometheus Query	Name
Avg Memory (MB)	sum(container_memory_rss{name=~".+"}) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com

HYPERLEDGER CALIPER

Basic information

DLT: fabric

Name: insert-historical-data-offer-benchmark

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Benchmark Rounds: 8

[Details](#)

Benchmark results

System under test

[Details](#)

Metric	Prometheus Query	Name
		peer0.org2.example.com
CPU (%)	sum(rate(container_cpu_usage_seconds_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Write (MB)	sum(rate(container_fs_writes_bytes_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Read (MB)	sum(rate(container_fs_reads_bytes_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

Benchmark round: insert-historical-data-offer-2000-fixed-load

Benchmarking the InsertTestHistoricalDataOffer function with a data size of 2000 bytes at a fixed load.

```
txDuration: 60
rateControl:
  type: fixed-load
  opts:
    transactionLoad: 20
    startingTps: 1
```

Performance metrics for insert-historical-data-offer-2000-fixed-load

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-historical-data-offer-2000-fixed-load	2920	0	49.2	1.24	0.12	0.32	49.0

Resource utilization for insert-historical-data-offer-2000-fixed-load

Resource monitor: prometheus

Metric	Prometheus Query	Name
Avg Memory (MB)	sum(container_memory_rss{name=~".+"}) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576

HYPERLEDGER CALIPER

Basic information

DLT: fabric

Name: insert-historical-data-offer-benchmark

Description: Benchmarking the Hyperledger Fabric network with the InsertTestHistoricalDataOffer function

Benchmark Rounds: 8

Details

Benchmark results

System under test

Details

Metric	Prometheus Query	Name
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
CPU (%)	sum(rate(container_cpu_usage_seconds_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Write (MB)	sum(rate(container_fs_writes_bytes_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Read (MB)	sum(rate(container_fs_reads_bytes_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

Benchmark round: insert-historical-data-offer-3000-fixed-load

Benchmarking the InsertTestHistoricalDataOffer function with a data size of 3000 bytes at a fixed load.

```
txDuration: 60
rateControl:
  type: fixed-load
  opts:
    transactionLoad: 40
    startingTps: 1
```

Performance metrics for insert-historical-data-offer-3000-fixed-load

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-historical-data-offer-3000-fixed-load	3856	0	64.9	2.29	0.13	0.44	63.1

Resource utilization for insert-historical-data-offer-3000-fixed-load

Resource monitor: prometheus

Metric	Prometheus Query	Name
Avg Memory	sum(container_memory_rss{name=~".+"}) by (name)	ca_orderer

(MB)		
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
CPU (%)	sum(rate(container_cpu_usage_seconds_total{name=~".+"} [1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Write (MB)	sum(rate(container_fs_writes_bytes_total{name=~".+"} [1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Read (MB)	sum(rate(container_fs_reads_bytes_total{name=~".+"} [1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

Benchmark round: insert-historical-data-offer-4000-fixed-load

Benchmarking the InsertTestHistoricalDataOffer function with a data size of 4000 bytes at a fixed load.

```
txDuration: 60
rateControl:
  type: fixed-load
  opts:
    transactionLoad: 60
    startingTps: 1
```

Performance metrics for insert-historical-data-offer-4000-fixed-load

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-historical-data-offer-4000-fixed-load	3974	0	66.9	2.21	0.13	0.61	64.7

Basic information

DLT: fabric

Name: insert-historical-data-offer-benchmark

Description: Benchmarking the Hyperledger Fabric network with the InsertTestHistoricalDataOffer function

Benchmark Rounds: 8

Details

Benchmark results

System under test

Details

Resource utilization for insert-historical-data-offer-4000-fixed-load

Resource monitor: prometheus

Metric	Prometheus Query	Name
Avg Memory (MB)	sum(container_memory_rss{name=~".+"}) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
CPU (%)	sum(rate(container_cpu_usage_seconds_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Write (MB)	sum(rate(container_fs_writes_bytes_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Read (MB)	sum(rate(container_fs_reads_bytes_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

Benchmark round: insert-historical-data-offer-8000-fixed-load

Benchmarking the InsertTestHistoricalDataOffer function with a data size of 8000 bytes at a fixed load.

```
txDuration: 60
rateControl:
  type: fixed-load
  opts:
    transactionLoad: 80
    startingTps: 1
```

Performance metrics for insert-historical-data-offer-8000-fixed-load

HYPERLEDGER CALIPER

Basic information

DLT: fabric

Name: insert-historical-data-offer-benchmark

Description: Benchmarking the Hyperledger Fabric network with the InsertTestHistoricalDataOffer function

Benchmark Rounds: 8

Details

Benchmark results

Summary

insert-historical-data-offer-1000-fixed-load

insert-historical-data-offer-2000-fixed-load

insert-historical-data-offer-3000-fixed-load

insert-historical-data-offer-4000-fixed-load

insert-historical-data-offer-8000-fixed-load

insert-historical-data-offer-16000-fixed-load

insert-historical-data-offer-32000-fixed-load

insert-historical-data-offer-64000-fixed-load

System under test

Details

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-historical-data-offer-8000-fixed-load	4047	0	67.0	2.35	0.16	0.79	66.1

Resource utilization for insert-historical-data-offer-8000-fixed-load

Resource monitor: prometheus

Metric	Prometheus Query	Name
Avg Memory (MB)	sum(container_memory_rss{name=~".+"}) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
CPU (%)	sum(rate(container_cpu_usage_seconds_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Write (MB)	sum(rate(container_fs_writes_bytes_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Read (MB)	sum(rate(container_fs_reads_bytes_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

Benchmark round: insert-historical-data-offer-16000-fixed-load

Benchmarking the InsertTestHistoricalDataOffer function with a data size of 16000 bytes at a fixed load.

```
txDuration: 60
rateControl:
```

```
type: fixed-load
opts:
  transactionLoad: 100
  startingTps: 1
```

Basic information

DLT: fabric

Name: insert-historical-data-offer-benchmark

Description: Benchmarking the Hyperledger Fabric network with the InsertTestHistoricalDataOffer function

Benchmark Rounds: 8

[Details](#)

Benchmark results

[Summary](#)

[insert-historical-data-offer-1000-fixed-load](#)

[insert-historical-data-offer-2000-fixed-load](#)

[insert-historical-data-offer-3000-fixed-load](#)

[insert-historical-data-offer-4000-fixed-load](#)

[insert-historical-data-offer-8000-fixed-load](#)

[insert-historical-data-offer-16000-fixed-load](#)

[insert-historical-data-offer-32000-fixed-load](#)

[insert-historical-data-offer-64000-fixed-load](#)

System under test

[Details](#)

Performance metrics for insert-historical-data-offer-16000-fixed-load

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-historical-data-offer-16000-fixed-load	4125	0	69.2	2.26	0.17	0.98	67.3

Resource utilization for insert-historical-data-offer-16000-fixed-load

Resource monitor: prometheus

Metric	Prometheus Query	Name
Avg Memory (MB)	sum(container_memory_rss{name=~".+"}) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
CPU (%)	sum(rate(container_cpu_usage_seconds_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Write (MB)	sum(rate(container_fs_writes_bytes_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Read (MB)	sum(rate(container_fs_reads_bytes_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

Benchmark round: insert-historical-data-offer-32000-fixed-load

Benchmarking the InsertTestHistoricalDataOffer function with a data size of 32000 bytes at a fixed load.

```
txDuration: 60
rateControl:
  type: fixed-load
  opts:
    transactionLoad: 120
    startingTps: 1
```

Performance metrics for insert-historical-data-offer-32000-fixed-load

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-historical-data-offer-32000-fixed-load	4191	0	69.7	2.38	0.15	1.10	67.1

Resource utilization for insert-historical-data-offer-32000-fixed-load

Resource monitor: prometheus

Metric	Prometheus Query	Name
Avg Memory (MB)	sum(container_memory_rss{name=~".+"}) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
CPU (%)	sum(rate(container_cpu_usage_seconds_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Write (MB)	sum(rate(container_fs_writes_bytes_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Read (MB)	sum(rate(container_fs_reads_bytes_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1

		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

Benchmark round: insert-historical-data-offer-64000-fixed-load

Benchmarking the InsertTestHistoricalDataOffer function with a data size of 64000 bytes at a fixed load.

```
txDuration: 60
rateControl:
  type: fixed-load
  opts:
    transactionLoad: 150
    startingTps: 1
```

Performance metrics for insert-historical-data-offer-64000-fixed-load

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-historical-data-offer-64000-fixed-load	4218	0	70.0	2.72	0.17	1.29	68.8

Resource utilization for insert-historical-data-offer-64000-fixed-load

Resource monitor: prometheus

Metric	Prometheus Query	Name
Avg Memory (MB)	sum(container_memory_rss{name=~".+"}) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
CPU (%)	sum(rate(container_cpu_usage_seconds_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Write (MB)	sum(rate(container_fs_writes_bytes_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

Basic information

DLT: fabric

Name: insert-historical-data-offer-benchmark

Description: Benchmarking the Hyperledger Fabric network with the InsertTestHistoricalDataOffer function

Benchmark Rounds: 8

Details

Benchmark results

Summary

insert-historical-data-offer-1000-fixed-load

insert-historical-data-offer-2000-fixed-load

insert-historical-data-offer-3000-fixed-load

insert-historical-data-offer-4000-fixed-load

insert-historical-data-offer-8000-fixed-load

insert-historical-data-offer-16000-fixed-load

insert-historical-data-offer-32000-fixed-load

insert-historical-data-offer-64000-fixed-load

System under test

Details

Disc Read (MB)	sum(rate(container_fs_reads_bytes_total{name=~".+"} [1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

Basic information

DLT: fabric

Name: insert-historical-data-offer-benchmark

Description: Benchmarking the Hyperledger Fabric network with the InsertTestHistoricalDataOffer function

Benchmark Rounds: 8

Details

Benchmark results

Summary

insert-historical-data-offer-1000-fixed-load

insert-historical-data-offer-2000-fixed-load

insert-historical-data-offer-3000-fixed-load

insert-historical-data-offer-4000-fixed-load

insert-historical-data-offer-8000-fixed-load

insert-historical-data-offer-16000-fixed-load

insert-historical-data-offer-32000-fixed-load

insert-historical-data-offer-64000-fixed-load

System under test

Details

Test Environment

benchmark config

```
name: insert-historical-data-offer-benchmark
description: >-
  Benchmarking the Hyperledger Fabric network with the
  InsertTestHistoricalDataOffer function
workers:
  number: 5
rounds:
  - label: insert-historical-data-offer-1000-fixed-load
    description: >-
      Benchmarking the InsertTestHistoricalDataOffer function with a data size
      of 1000 bytes at a fixed load.
    chaincodeID: basic
    txDuration: 60
    rateControl:
      type: fixed-load
      opts:
        transactionLoad: 10
        startingTps: 1
    workload:
      module: benchmarks/datamanagement/workloads/historical-data-offer.js
      arguments:
        chaincodeID: basic
        byteSize: 1000
  - label: insert-historical-data-offer-2000-fixed-load
    description: >-
      Benchmarking the InsertTestHistoricalDataOffer function with a data size
      of 2000 bytes at a fixed load.
    chaincodeID: basic
    txDuration: 60
    rateControl:
      type: fixed-load
      opts:
        transactionLoad: 20
        startingTps: 1
    workload:
      module: benchmarks/datamanagement/workloads/historical-data-offer.js
      arguments:
        chaincodeID: basic
        byteSize: 2000
  - label: insert-historical-data-offer-3000-fixed-load
    description: >-
      Benchmarking the InsertTestHistoricalDataOffer function with a data size
      of 3000 bytes at a fixed load.
    chaincodeID: basic
    txDuration: 60
    rateControl:
      type: fixed-load
      opts:
        transactionLoad: 40
        startingTps: 1
    workload:
      module: benchmarks/datamanagement/workloads/historical-data-offer.js
      arguments:
        chaincodeID: basic
        byteSize: 3000
  - label: insert-historical-data-offer-4000-fixed-load
    description: >-
      Benchmarking the InsertTestHistoricalDataOffer function with a data size
      of 4000 bytes at a fixed load.
    chaincodeID: basic
    txDuration: 60
    rateControl:
      type: fixed-load
      opts:
        transactionLoad: 60
        startingTps: 1
    workload:
      module: benchmarks/datamanagement/workloads/historical-data-offer.js
      arguments:
        chaincodeID: basic
        byteSize: 4000
  - label: insert-historical-data-offer-8000-fixed-load
    description: >-
      Benchmarking the InsertTestHistoricalDataOffer function with a data size
      of 8000 bytes at a fixed load.
    chaincodeID: basic
    txDuration: 60
    rateControl:
      type: fixed-load
      opts:
        transactionLoad: 80
        startingTps: 1
```

Basic information

DLT: fabric

Name: insert-historical-data-offer-benchmark

Description: Benchmarking the Hyperledger Fabric network with the InsertTestHistoricalDataOffer function

Benchmark Rounds: 8

[Details](#)

Benchmark results

[Summary](#)

[insert-historical-data-offer-1000-fixed-load](#)

[insert-historical-data-offer-2000-fixed-load](#)

[insert-historical-data-offer-3000-fixed-load](#)

[insert-historical-data-offer-4000-fixed-load](#)

[insert-historical-data-offer-8000-fixed-load](#)

[insert-historical-data-offer-16000-fixed-load](#)

[insert-historical-data-offer-32000-fixed-load](#)

[insert-historical-data-offer-64000-fixed-load](#)

System under test

[Details](#)

```
    workload:
      module: benchmarks/datamanagement/workloads/historical-data-offer.js
      arguments:
        chaincodeID: basic
        byteSize: 8000
- label: insert-historical-data-offer-16000-fixed-load
  description: >-
    Benchmarking the InsertTestHistoricalDataOffer function with a data size
    of 16000 bytes at a fixed load.
  chaincodeID: basic
  txDuration: 60
  rateControl:
    type: fixed-load
    opts:
      transactionLoad: 100
      startingTps: 1
    workload:
      module: benchmarks/datamanagement/workloads/historical-data-offer.js
      arguments:
        chaincodeID: basic
        byteSize: 16000
- label: insert-historical-data-offer-32000-fixed-load
  description: >-
    Benchmarking the InsertTestHistoricalDataOffer function with a data size
    of 32000 bytes at a fixed load.
  chaincodeID: basic
  txDuration: 60
  rateControl:
    type: fixed-load
    opts:
      transactionLoad: 120
      startingTps: 1
    workload:
      module: benchmarks/datamanagement/workloads/historical-data-offer.js
      arguments:
        chaincodeID: basic
        byteSize: 32000
- label: insert-historical-data-offer-64000-fixed-load
  description: >-
    Benchmarking the InsertTestHistoricalDataOffer function with a data size
    of 64000 bytes at a fixed load.
  chaincodeID: basic
  txDuration: 60
  rateControl:
    type: fixed-load
    opts:
      transactionLoad: 150
      startingTps: 1
    workload:
      module: benchmarks/datamanagement/workloads/historical-data-offer.js
      arguments:
        chaincodeID: basic
        byteSize: 64000
```

SUT

```
  not provided
```