



Basic information

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Name: insert-historical-data-offer-benchmark
Description: Benchmarking the Hyperledger Fabric network with the InsertTestHistoricalDataOffer function
Benchmark Rounds: 8
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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	1474	0	24.8	2.17	0.11	0.38	24.0
insert-historical-data-offer-2000-fixed-load	3194	0	53.8	2.18	0.11	0.29	52.1
insert-historical-data-offer-3000-fixed-load	4065	0	68.2	2.21	0.14	0.43	66.4
insert-historical-data-offer-4000-fixed-load	4404	0	74.2	2.21	0.13	0.56	71.9
insert-historical-data-offer-8000-fixed-load	4435	0	74.3	2.27	0.14	0.74	72.2
insert-historical-data-offer-16000-fixed-load	4520	0	75.7	1.78	0.14	0.86	75.2
insert-historical-data-offer-32000-fixed-load	4559	0	74.8	2.22	0.17	1.04	72.2
insert-historical-data-offer-64000-fixed-load	4637	0	77.3	2.62	0.18	1.30	75.6

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	1474	0	24.8	2.17	0.11	0.38	24.0

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
		peer0.org2.example.com



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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
		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 Read (MB)	sum(rate(container_fs_reads_bytes_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

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	3194	0	53.8	2.18	0.11	0.29	52.1

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

Resource monitor: prometheus

Metric	Prometheus Query	Name
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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
		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 Read (MB)	sum(rate(container_fs_reads_bytes_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

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	4065	0	68.2	2.21	0.14	0.43	66.4

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Resource utilization for insert-historical-data-offer-3000-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
		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 Read (MB)	sum(rate(container_fs_reads_bytes_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



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		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	4404	0	74.2	2.21	0.13	0.56	71.9

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
		dev-peer0.org1.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576



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		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
		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

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

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-historical-data-offer-8000-fixed-load	4435	0	74.3	2.27	0.14	0.74	72.2

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



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		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
		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 Read (MB)	sum(rate(container_fs_reads_bytes_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

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
```

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	4520	0	75.7	1.78	0.14	0.86	75.2

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



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		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
		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 Read (MB)	sum(rate(container_fs_reads_bytes_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

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	4559	0	74.8	2.22	0.17	1.04	72.2

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



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](#)

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
		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 Read (MB)	sum(rate(container_fs_reads_bytes_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

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

Basic information

DLT: fabric
Name: insert-historical-data-offer-benchmark
Description: Benchmarking the Hyperledger Fabric network with the InsertTestHistoricalDataOffer function
Benchmark Rounds: 8
[Details](#)

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	4637	0	77.3	2.62	0.18	1.30	75.6

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

Resource monitor: prometheus

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](#)

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
		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 Read (MB)	sum(rate(container_fs_reads_bytes_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-



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](#)
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- [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](#)

		637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		dev-peer0.org2.example.com-basic_1.0-637b908e08b257332d955d5b7eadeac170c68a9499b6070bb44fcd2688726576
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

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
    workload:
      module: benchmarks/datamanagement/workloads/historical-data-offer.js
      arguments:
        chaincodeID: basic
```



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](#)

```
      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