



Basic information

DLT: fabric
Name: insert-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-data-offer-1000-fixed-load	16360	0	54.7	1.21	0.06	0.17	54.6
insert-data-offer-2000-fixed-load	15610	0	52.2	1.18	0.07	0.18	52.2
insert-data-offer-3000-fixed-load	15140	0	50.6	1.17	0.07	0.18	50.6
insert-data-offer-4000-fixed-load	16062	0	53.7	2.07	0.07	0.18	53.3
insert-data-offer-8000-fixed-load	15681	0	52.4	2.07	0.07	0.18	52.0
insert-data-offer-16000-fixed-load	15548	0	52.0	2.09	0.07	0.18	51.6
insert-data-offer-32000-fixed-load	15653	0	52.3	2.13	0.07	0.18	52.0
insert-data-offer-64000-fixed-load	16090	0	53.8	1.19	0.07	0.18	53.8

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

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

```
txDuration: 300
rateControl:
  type: fixed-load
  opts:
    transactionLoad: 10
    startingTps: 1
```

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

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-data-offer-1000-fixed-load	16360	0	54.7	1.21	0.06	0.17	54.6

Resource utilization for insert-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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

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

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

```
txDuration: 300
rateControl:
  type: fixed-load
  opts:
    transactionLoad: 10
    startingTps: 1
```

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

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-data-offer-2000-fixed-load	15610	0	52.2	1.18	0.07	0.18	52.2

Resource utilization for insert-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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

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

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

```
txDuration: 300
rateControl:
  type: fixed-load
  opts:
```



transactionLoad: 10
startingTps: 1

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

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-data-offer-3000-fixed-load	15140	0	50.6	1.17	0.07	0.18	50.6

Resource utilization for insert-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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
		dev-peer0.org1.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-

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		6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

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

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

txDuration: 300
rateControl:
 type: fixed-load
 opts:
 transactionLoad: 10
 startingTps: 1

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

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-data-offer-4000-fixed-load	16062	0	53.7	2.07	0.07	0.18	53.3

Resource utilization for insert-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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-



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		6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

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

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

```
txDuration: 300
rateControl:
  type: fixed-load
  opts:
    transactionLoad: 10
    startingTps: 1
```


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

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-data-offer-8000-fixed-load	15681	0	52.4	2.07	0.07	0.18	52.0

Resource utilization for insert-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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-



HYPERLEDGER

CALIPER

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		6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

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

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

```
txDuration: 300
rateControl:
  type: fixed-load
  opts:
    transactionLoad: 10
    startingTps: 1
```

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

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-data-offer-16000-fixed-load	15548	0	52.0	2.09	0.07	0.18	51.6

Resource utilization for insert-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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3



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		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

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

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

```
txDuration: 300
rateControl:
  type: fixed-load
  opts:
    transactionLoad: 10
    startingTps: 1
```

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

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-data-offer-	15653	0	52.3	2.13	0.07	0.18	52.0



32000-fixed-load							
------------------	--	--	--	--	--	--	--

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

Basic information

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

Benchmark results

[Summary](#)
[insert-data-offer-1000-fixed-load](#)
[insert-data-offer-2000-fixed-load](#)
[insert-data-offer-3000-fixed-load](#)
[insert-data-offer-4000-fixed-load](#)
[insert-data-offer-8000-fixed-load](#)
[insert-data-offer-16000-fixed-load](#)
[insert-data-offer-32000-fixed-load](#)
[insert-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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		orderer.example.com
CPU (%)	sum(rate(container_cpu_usage_seconds_total{name=~".+"}[1m])) by (name)	peer0.org1.example.com
		peer0.org2.example.com
		ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
Disc Write (MB)	sum(rate(container_fs_writes_bytes_total{name=~".+"}[1m])) by (name)	dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org1.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
		ca_orderer
Disc Read (MB)	sum(rate(container_fs_reads_bytes_total{name=~".+"}[1m])) by (name)	couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
		ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
		ca_orderer
		couchdb0
		couchdb1

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



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

Basic information

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

txDuration: 300
rateControl:
 type: fixed-load
opts:
 transactionLoad: 10
 startingTps: 1

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

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
insert-data-offer-64000-fixed-load	16090	0	53.8	1.19	0.07	0.18	53.8

Benchmark results

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[insert-data-offer-1000-fixed-load](#)
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[insert-data-offer-4000-fixed-load](#)
[insert-data-offer-8000-fixed-load](#)
[insert-data-offer-16000-fixed-load](#)
[insert-data-offer-32000-fixed-load](#)
[insert-data-offer-64000-fixed-load](#)


Resource utilization for insert-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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		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_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com
Disc Read	sum(rate(container_fs_reads_bytes_total{name=~".+"}[1m])) by (name)	ca_orderer
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

System under test

[Details](#)



HYPERLEDGER

CALIPER

Basic information

DLT: fabric

Name: insert-data-offer-benchmark

Description: Benchmarking the Hyperledger Fabric network with the InsertTestHistoricalDataOffer function

Benchmark Rounds: 8

[Details](#)

(MB)		
		couchdb0
		couchdb1
		dev-peer0.org1.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		dev-peer0.org2.example.com-basic_1.0-6e937c41a6d40a2ad3db92fa6441461032b4e59b56c47e575e5fec5999a045f3
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

Benchmark results

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- [insert-data-offer-8000-fixed-load](#)
- [insert-data-offer-16000-fixed-load](#)
- [insert-data-offer-32000-fixed-load](#)
- [insert-data-offer-64000-fixed-load](#)

System under test

[Details](#)

Test Environment

benchmark config

```
name: insert-data-offer-benchmark
description: >-
  Benchmarking the Hyperledger Fabric network with the
  InsertTestHistoricalDataOffer function
workers:
  number: 5
rounds:
  - label: insert-data-offer-1000-fixed-load
    description: >-
      Benchmarking the InsertTestHistoricalDataOffer function with a data size
      of 1000 bytes at a fixed load.
      chaincodeID: basic
      txDuration: 300
      rateControl:
        type: fixed-load
      opts:
        transactionLoad: 10
        startingTps: 1
      workload:
        module: benchmarks/api/fabric/datamanagement/workloads/historical-data-
offer.js
      arguments:
        chaincodeID: basic
        byteSize: 1000
  - label: insert-data-offer-2000-fixed-load
    description: >-
      Benchmarking the InsertTestHistoricalDataOffer function with a data size
      of 2000 bytes at a fixed load.
      chaincodeID: basic
      txDuration: 300
      rateControl:
        type: fixed-load
      opts:
        transactionLoad: 10
        startingTps: 1
      workload:
        module: benchmarks/api/fabric/datamanagement/workloads/historical-data-
offer.js
      arguments:
        chaincodeID: basic
        byteSize: 2000
  - label: insert-data-offer-3000-fixed-load
    description: >-
      Benchmarking the InsertTestHistoricalDataOffer function with a data size
      of 3000 bytes at a fixed load.
      chaincodeID: basic
      txDuration: 300
      rateControl:
        type: fixed-load
      opts:
        transactionLoad: 10
        startingTps: 1
      workload:
        module: benchmarks/api/fabric/datamanagement/workloads/historical-data-
offer.js
      arguments:
        chaincodeID: basic
        byteSize: 3000
  - label: insert-data-offer-4000-fixed-load
    description: >-
      Benchmarking the InsertTestHistoricalDataOffer function with a data size
      of 4000 bytes at a fixed load.
      chaincodeID: basic
      txDuration: 300
      rateControl:
        type: fixed-load
      opts:
        transactionLoad: 10
        startingTps: 1
      workload:
        module: benchmarks/api/fabric/datamanagement/workloads/historical-data-
offer.js
      arguments:
        chaincodeID: basic
        byteSize: 4000
  - label: insert-data-offer-8000-fixed-load
    description: >-
```



Basic information

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

Benchmark results

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[insert-data-offer-16000-fixed-load](#)
[insert-data-offer-32000-fixed-load](#)
[insert-data-offer-64000-fixed-load](#)

System under test

[Details](#)

```
Benchmarking the InsertTestHistoricalDataOffer function with a data size
of 8000 bytes at a fixed load.
chaincodeID: basic
txDuration: 300
rateControl:
  type: fixed-load
  opts:
    transactionLoad: 10
    startingTps: 1
workload:
  module: benchmarks/api/fabric/datamanagement/workloads/historical-data-
offer.js
  arguments:
    chaincodeID: basic
    byteSize: 8000
- label: insert-data-offer-16000-fixed-load
  description: >-
    Benchmarking the InsertTestHistoricalDataOffer function with a data size
    of 16000 bytes at a fixed load.
  chaincodeID: basic
  txDuration: 300
  rateControl:
    type: fixed-load
    opts:
      transactionLoad: 10
      startingTps: 1
  workload:
    module: benchmarks/api/fabric/datamanagement/workloads/historical-data-
offer.js
    arguments:
      chaincodeID: basic
      byteSize: 16000
- label: insert-data-offer-32000-fixed-load
  description: >-
    Benchmarking the InsertTestHistoricalDataOffer function with a data size
    of 32000 bytes at a fixed load.
  chaincodeID: basic
  txDuration: 300
  rateControl:
    type: fixed-load
    opts:
      transactionLoad: 10
      startingTps: 1
  workload:
    module: benchmarks/api/fabric/datamanagement/workloads/historical-data-
offer.js
    arguments:
      chaincodeID: basic
      byteSize: 32000
- label: insert-data-offer-64000-fixed-load
  description: >-
    Benchmarking the InsertTestHistoricalDataOffer function with a data size
    of 64000 bytes at a fixed load.
  chaincodeID: basic
  txDuration: 300
  rateControl:
    type: fixed-load
    opts:
      transactionLoad: 10
      startingTps: 1
  workload:
    module: benchmarks/api/fabric/datamanagement/workloads/historical-data-
offer.js
    arguments:
      chaincodeID: basic
      byteSize: 64000
```

SUT

not provided