



Basic information

DLT: fabric
Name: get-journey
Description: This is a duration based benchmark targeting a Hyperledger Fabric network using the `basic` NodeJS chaincode contract that is interacted with via a Fabric-SDK-Node Gateway. Each test round invokes the 'GetAllJourney()' API method. Benchmark Rounds: 1
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Benchmark results

[Summary](#)
[get-journey-evaluate](#)

System under test

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Caliper report

Summary of performance metrics

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
get-journey-evaluate	41298	0	138.4	0.75	0.01	0.24	138.4

Benchmark round: get-journey-evaluate

Test an evaluateTransaction() Gateway method against the NodeJS `basic` Smart Contract method named `GetAllJourney`. This method retrieves all journey schedules from the ledger.

```
txDuration: 300
rateControl:
  type: fixed-load
  opts:
    transactionLoad: 50
```

Performance metrics for get-journey-evaluate

Name	Succ	Fail	Send Rate (TPS)	Max Latency (s)	Min Latency (s)	Avg Latency (s)	Throughput (TPS)
get-journey-evaluate	41298	0	138.4	0.75	0.01	0.24	138.4

Resource utilization for get-journey-evaluate

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-f5b65f0b22081e84e6e6529019ab2cefed8959be94de8d9c1159b80aa0cb9478
		dev-peer0.org2.example.com-basic_1.0-f5b65f0b22081e84e6e6529019ab2cefed8959be94de8d9c1159b80aa0cb9478
		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-f5b65f0b22081e84e6e6529019ab2cefed8959be94de8d9c1159b80aa0cb9478
		dev-peer0.org2.example.com-basic_1.0-f5b65f0b22081e84e6e6529019ab2cefed8959be94de8d9c1159b80aa0cb9478
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com



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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-f5b65f0b22081e84e6e6529019ab2cefed8959be94de8d9c1159b80aa0cb9478
		dev-peer0.org2.example.com-basic_1.0-f5b65f0b22081e84e6e6529019ab2cefed8959be94de8d9c1159b80aa0cb9478
		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-f5b65f0b22081e84e6e6529019ab2cefed8959be94de8d9c1159b80aa0cb9478
		dev-peer0.org2.example.com-basic_1.0-f5b65f0b22081e84e6e6529019ab2cefed8959be94de8d9c1159b80aa0cb9478
		orderer.example.com
		peer0.org1.example.com
		peer0.org2.example.com

Test Environment

benchmark config

```
name: get-journey
description: >
  This is a duration based benchmark targeting a Hyperledger Fabric network
  using the `basic` NodeJS chaincode contract that is interacted with via a
  Fabric-SDK-Node Gateway. Each test round invokes the 'GetAllJourney()' API
  method.
workers:
  number: 10
rounds:
  - label: get-journey-evaluate
    description: >
      Test an evaluateTransaction() Gateway method against the NodeJS `basic`
      Smart Contract method named `GetAllJourney`. This method retrieves all
      journey schedules from the ledger.
    chaincodeID: basic
    txDuration: 300
    rateControl:
      type: fixed-load
      opts:
        transactionLoad: 50
    workload:
      module: benchmarks/api/fabric/datamanagement/workloads/find-journey.js
      arguments:
        chaincodeID: basic
```

SUT

not provided