



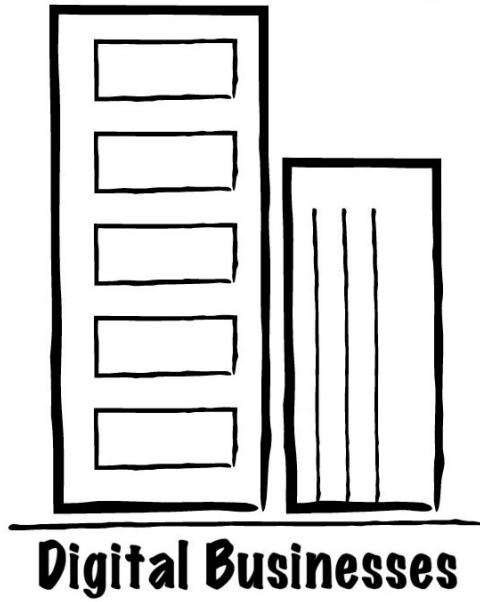
M.E.L.T.와 분산 트레이싱

Astin Choi

2021년 5월 20일

lnkd.in/gpKM9kE
(Version 2)

? Observability ?



모니터링 vs 옵저버빌리티

Monitoring

사전에 결정된 중요한 사항을 측정

Observability

미리 알지 못하는 부분에 대한 질문을 할 수 있는
역량

모니터링 ◉ 옵저버빌리티



observer US [əb'zɜ:rve(r)] UK [əb'zɜ:və(r)] ★ +

1. Noun 보는 사람, 목격자
2. Noun (회의·수업 등의) 참관인[옵서버]
3. Noun 관찰자, 관측자

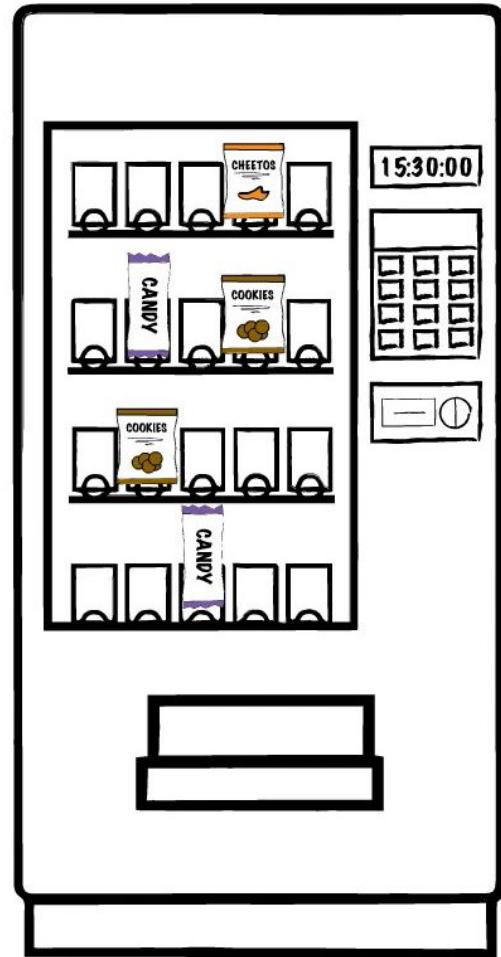
Oxford Advanced Learner's English-Korean Dictionary

옵저버-빌리티



M.E.L.T.

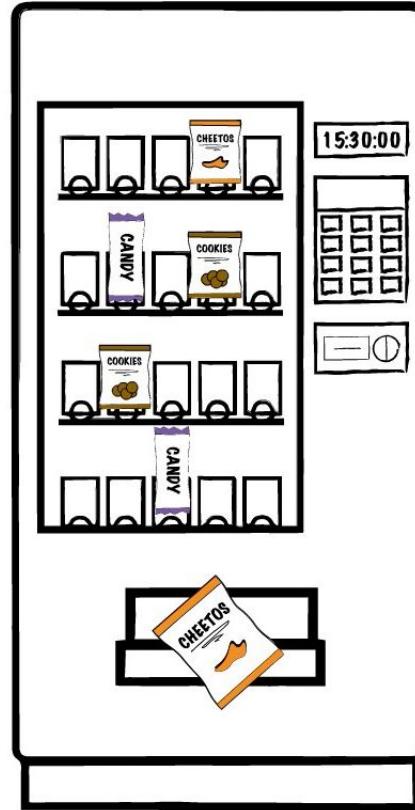
Metrics. Events. Logs. Traces.



Event

어느 한 순간 일어난 행위

Event



15:30:00



시간	이벤트 타입	구입 항목	가격
2021/03/17 15:30:00	구매	치토스	1200원

시간	이벤트 타입	구입 항목	범주	가격	결제타입
2021/03/17 15:30:00	구매	치토스	스낵류	1200원	현금
2021/03/17 16:01:11	구매	나쵸	스낵류	1500원	현금
2021/03/18 06:42:30	구매	왕꿈틀이	캔디류	700원	카드
2021/03/20 11:26:53	구매	새우깡	스낵류	1200원	현금

각 범주에서 번 돈은?
결제 방식 빈도는?
하루에 번 돈은?

Query!

시간	이벤트 타입	구입 항목	범주	가격	결제타입
2021/03/17 15:30:00	구매	치토스	스낵류	1200원	현금
2021/03/17 16:01:11	구매	나쵸	스낵류	1500원	현금
2021/03/18 06:42:30	구매	왕꿈틀이	캔디류	700원	카드
2021/03/20 11:26:53	구매	새우깡	스낵류	1200원	현금

메타데이터!

시간	이벤트 타입	구입 항목	범주	가격	결제타입
2021/03/17 15:30:00	구매	치토스	스낵류	1200원	현금
2021/03/17 16:01:11	구매	나쵸	스낵류	1500원	현금
2021/03/18 06:42:30	구매	왕꿈틀이	캔디류	700원	카드
2021/03/20 11:26:53	구매	새우깡	스낵류	1200원	현금

시간	이벤트 타입	구입 항목	범주	가격	결제타입
2021/03/17 15:30:00	구매	치토스	스낵류	1200원	현금
2021/03/17 16:01:11	구매	나쵸	스낵류	1500원	현금
2021/03/18 06:42:30	구매	왕꿈틀이	캔디류	700원	카드
2021/03/20 11:26:53	구매	새우깡	스낵류	1200원	현금

Faceting (Pivoting)

Event type

Plot

Dimensions

Search...

actionRequest 2213

apdexPerfZone 3

appId 46

appName 45

aws.lambda.arn arn:aws:lambda:us-west-1:4...

aws.requestId 5

BrowsePlanResult success

BrowsePlansResult success

callIdGUID 14745

clusterName 2

containerId 39

containerName 50

CouponStatus Redeemed

deploymentName 2

entity.guid 44

entityGuid 45

error false

error_type 9

errorMessage 5

errorType 5

guid 106548

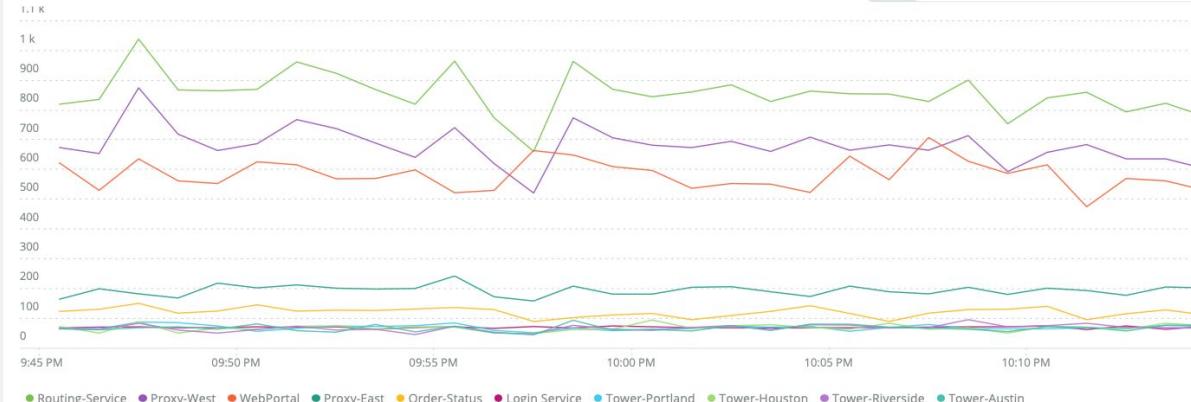
SELECT FROM GROUP BY LIMIT WHERE

count(*) × Transaction × appName × 10

NRQL SELECT count(*) FROM Transaction FACET appName SINCE 30 MINUTES AGO TIMESERIES

Transaction

JSON Raw data



APP NAME

COUNT

Routing-Service	25.7 k
Proxy-West	20.5 k
WebPortal	17.4 k
Proxy-East	5.75 k
Order-Status	3.58 k
Tower-Portland	2.01 k
Login Service	2.01 k
Tower-Houston	1.00 k

Account: 1606862 - Demotron V2 ▾

PromQL-style Basic

```
SELECT count(*) FROM Transaction FACET appName SINCE 30 MINUTES AGO TIMESERIES
```

Add another query

Your recent queries ▾

Clear

Run

Since 30 minutes ago

1.05 K

1 k

950

900

850

800

750

700

650

600

550

500

450

400

350

300

250

200

150

100

50

0

09:50 PM

09:55 PM

10:00 PM

10:05 PM

10:10 PM

10:15 PM

- Routing-Service
- Proxy-West
- WebPortal
- Proxy-East
- Order-Status
- Login Service
- Tower-Portland
- Tower-Houston
- Tower-Riverside
- Tower-Austin

173.38 thousand events inspected in 97 ms (1.8 MEPS)

Chart name

Enter a chart name

Chart type

Line

Y Axis

Range

Fit range to data

Min

0

Max Auto

Range

Fit range to data

Min

0

Max Auto

Legend

Visibility

On

Add to Dashboard

Data explorer **Query builder**

Account: 1606862 - Demotron V2 ▾

PromQL-style Basic

```
SELECT count(*) FROM Transaction FACET cases (where appName = 'Routing-Service' as '2호선', where appName != 'Routing-Service' as '그 외') SINCE 60 MINUTES AGO TIMESERIES |
```

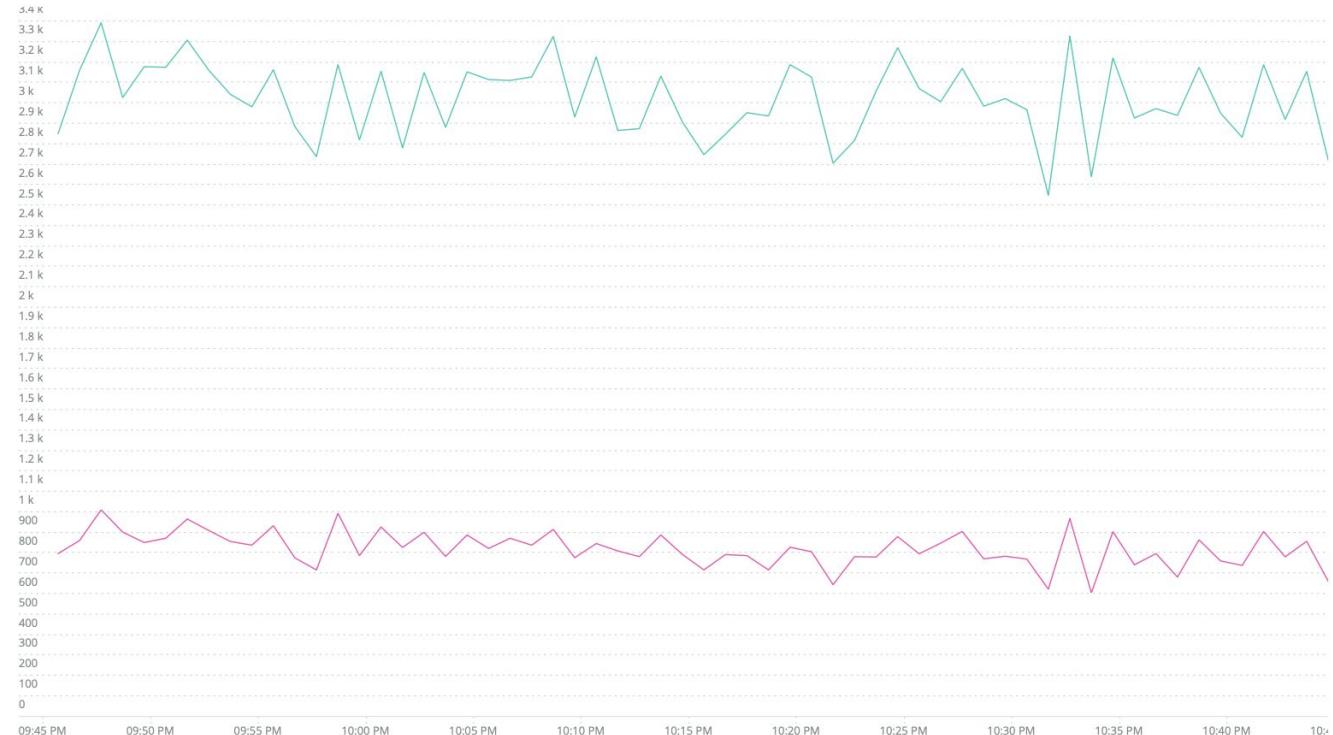
Add another query

Your recent queries ▾

Clear

Run

Since 60 minutes ago



그 외 ● 2호선

295.79 thousand events inspected in 214 ms (1.4 MEPS)

Chart name Chart type

Y Axis

Range Fit range to data

Min 0 Max Auto

Legend

Visibility



시간	이벤트 타입	구입 항목	범주	가격	결제타입
2021/03/17 15:30:00	구매	치토스	스낵류	1200원	현금
2021/03/17 16:01:11	구매	나쵸	스낵류	1500원	현금
2021/03/18 06:42:30	구매	왕꿈틀이	캔디류	700원	카드
2021/03/20 11:26:53	구매	새우깡	스낵류	1200원	현금

그런데
말입니다

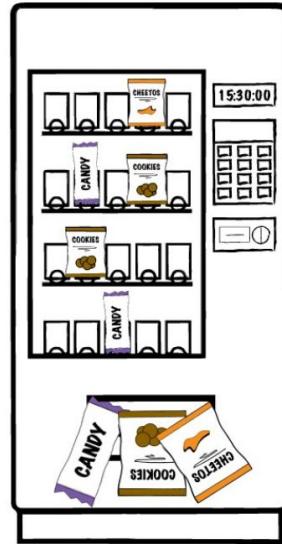




Metrics

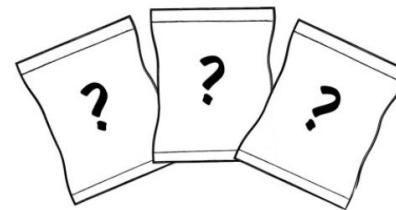
Metrics (timeseries)

Metrics



15:30:00 - 15:31:00

\$2.75



Less Storage

시간	개수	메트릭 이름	가격
2021/03/17 15:30:00	3	구매	3400원

Aggregation or Sample

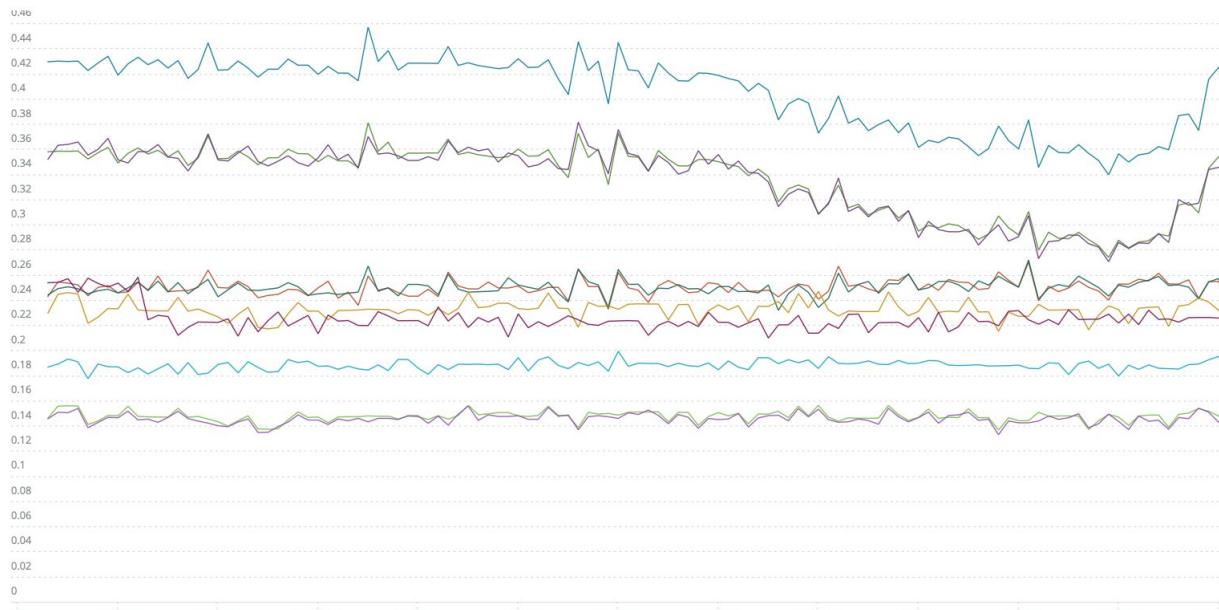
Account: 1606862 - Demotron V2

 NRQL Basic

```
topk(10, rate(container_cpu_usage_seconds_total[10m]))
```

Step 30 seconds Range Instant

Since 60 minutes ago



- clusterName=towerssprod.k8s.local,collector.name=nri-prometheus,collector.version=2.4.0,container=cpu=...
- clusterName=towerssprod.k8s.local,collector.name=nri-prometheus,collector.version=2.4.0,container=cpu=...
- clusterName=towerssprod.k8s.local,collector.name=nri-prometheus,collector.version=2.4.0,container=cpu=...
- clusterName=umbraprod.k8s.local,collector.name=nri-prometheus,collector.version=2.5.0,container=cpu=...
- clusterName=towerssprod.k8s.local,collector.name=nri-prometheus,collector.version=2.4.0,container=cpu=...
- clusterName=towerssprod.k8s.local,collector.name=nri-prometheus,collector.version=2.4.0,container=cpu=...
- clusterName=towerssprod.k8s.local,collector.name=nri-prometheus,collector.version=2.4.0,container=cpu=...
- clusterName=towerssprod.k8s.local,collector.name=nri-prometheus,collector.version=2.4.0,container=cpu=...
- clusterName=towerssprod.k8s.local,collector.name=nri-prometheus,collector.version=2.4.0,container=cpu=...

4.83 million events inspected in 1979 ms (2.4 MEPS)

Chart name Chart type

Y Axis

Range

Min 0 Max Auto

Legend

Visibility

Account: 1606862 - Demotron V2

```
SELECT rate(sum(container_cpu_usage_seconds_total), 1 SECONDS) FROM Metric SINCE 60 MINUTES AGO UNTIL NOW FACET dimensions() LIMIT 10 TIMESERIES 600000 SLIDE BY 30000
```

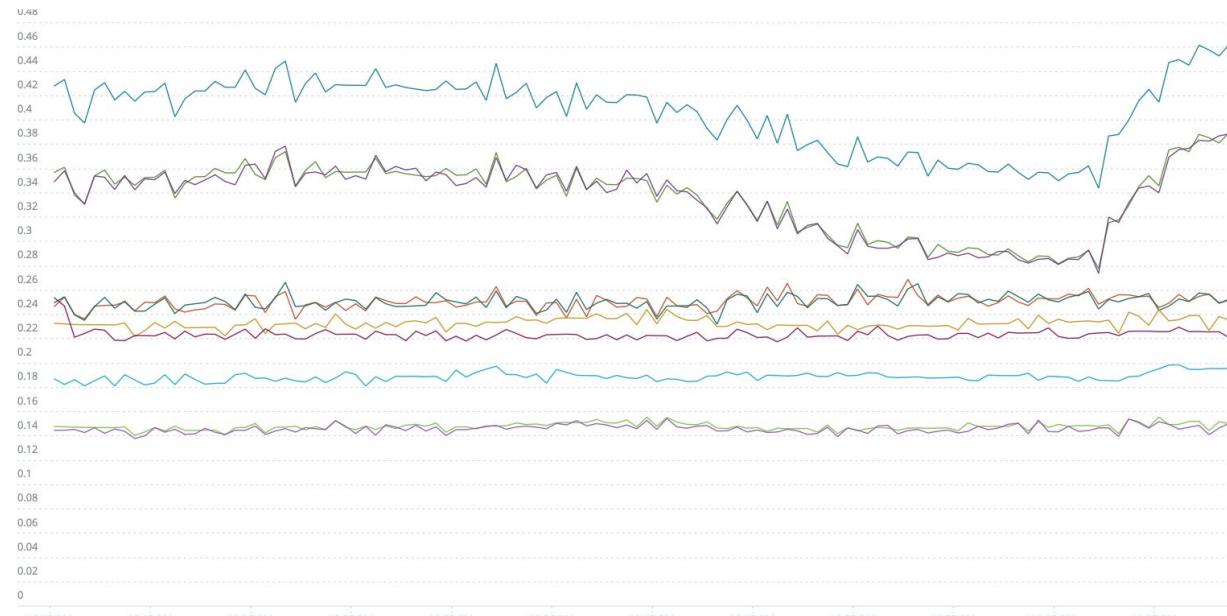
Add another query

Your recent queries

Clear

Run

Since 60 minutes ago



- clusterName=towerssprod.k8s.local,collector.name=nri-prometheus,collector.version=2.4.0,container=,cpu=t...

5.03 million events inspected in 1928 ms (2.6 MEPS)

Chart name Chart type

Y Axis

Range Fit range to dataMin Max

Legend

Visibility



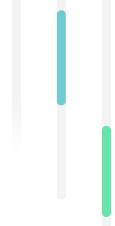
Metric 규칙적, 의도적 그룹화
Event 불규칙적, 언제 발생할지
모름

Log

log US [lɔ:g; lə:g] UK [lɒg] ★★ +

1. Noun 통나무
2. Noun (특히 항해운항비행 등의) 일지[기록]
3. Verb 일지에 기록하다 (=record)

Oxford Advanced Learner's English-Korean Dictionary



BLog, VLog...

Event vs Log

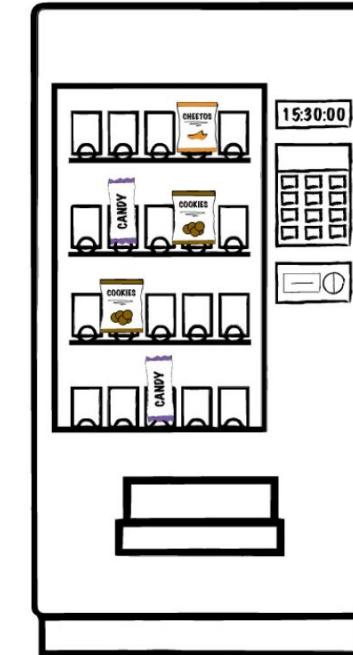
Logs



15:30:00



15:29:45	user pressed button B
15:29:49	user pressed button 4
15:29:50	Cheetos was selected
15:29:51	prompted user to pay \$1.00
15:29:54	user inserted \$1.00
15:30:00	dispensing item Cheetos
15:30:01	error dispensing Cheetos



2/21/2021 15:33:14: User pressed the button 'B'

2/21/2021 15:33:17: User pressed the button '4'

2/21/2021 15:33:17: 'Cheetos' were selected

2/21/2021 15:33:17: Prompted user to pay \$1.00

2/21/2021 15:33:21: User inserted \$0.25 remaining balance is \$0.75

2/21/2021 15:33:33: User inserted \$0.25 remaining balance is \$0.50

2/21/2021 15:33:46: User inserted \$0.25 remaining balance is \$0.25

2/21/2021 15:34:01: User inserted \$0.25 remaining balance is \$0.00

2/21/2021 15:34:03: Dispensing item 'Cheetos'

2/21/2021 15:34:03: Dispensing change: \$0.00

2/21/2021 15:34:03: {
 actionType: purchaseCompleted,
 machineId: 2099, itemName: 'Cheetos', itemValue: 1.00 }

데이터베이스, 캐시,
로드밸런서...

```
11  √ const successHandler = morgan(successResponseFormat, {  
12    |   skip: (req, res) => res.statusCode >= 400,  
13    |   stream: { write: (message) => logger.info(message.trim()) },  
14  });  
15  
16  √ const errorHandler = morgan(errorResponseFormat, {  
17    |   skip: (req, res) => res.statusCode < 400,  
● 18    |   stream: { write: (message) => logger.error(message.trim()) },  
19  });  
20  
21  √ module.exports = {  
22    |   successHandler,  
23    |   errorHandler,  
24  };
```

Home Explore **Logs** Dashboards Alerts & AI APM Browser Infrastructure Logs Lookout Synthetics More ⚙️

Find logs where error Copy permalink Add more data sources Since 30 minutes ago

YOUR LOGS

Since May 19, 12:36 am until May 19, 01:06 am

30
20
10
0

00:40:00 00:45:00 00:50:00 00:55:00 01:00:00 01:05:00 01:06:11

Logs

All logs

Patterns Livetall

MANAGE DATA

Drop filters Parsing Data partitions

VIEWS AND ATTRIBUTES

Saved views Save current view

Query account-service ...

error ...

errors_webportal ...

Attributes Select partitions

Expand logs Add to dashboard Expand table

timestamp	message	log summary
01:05:50.263	#<Net::ProtocolError: Net::ProtocolError>	service_name: proxy-west-2 level: ERROK hostname: host-proxy-west-2 message: #<Net::ProtocolError: Net::ProtocolError>
01:05:50.263	#<Net::HTTPHeaderSyntaxError: Net::HTTPHeaderSyntaxError>	service_name: proxy-west-2 level: ERROR hostname: host-proxy-west-2 message: #<Net::HTTPHeaderSyntaxError: Net::HTTPHeaderSyntaxError>
01:05:50.263	#<Timeout::Error: Timeout::Error>	service_name: proxy-west-2 level: ERROR hostname: host-proxy-west-2 message: #<Timeout::Error: Timeout::Error> cont...
01:05:50.263	#<Net::HTTPHeaderSyntaxError: Net::HTTPHeaderSyntaxError>	service_name: proxy-west-2 level: ERROR hostname: host-proxy-west-2 message: #<Net::HTTPHeaderSyntaxError: Net::HTTPHeaderSyntaxError>
01:05:50.263	#<Timeout::Error: Timeout::Error>	service_name: proxy-west-2 level: ERROR hostname: host-proxy-west-2 message: #<Timeout::Error: Timeout::Error> cont...
01:05:50.263	#<Net::ProtocolError: Net::ProtocolError>	service_name: proxy-west-2 level: ERROR hostname: host-proxy-west-2 message: #<Net::ProtocolError: Net::ProtocolError>
01:05:50.263	#<Net::HTTPHeaderSyntaxError: Net::HTTPHeaderSyntaxError>	service_name: proxy-west-2 level: ERROR hostname: host-proxy-west-2 message: #<Net::HTTPHeaderSyntaxError: Net::HTTPHeaderSyntaxError>
01:05:51.393	Error record 510 missing 'name' field in record	service_name: account-service hostname: host-proxy-west-2 message: Error record 510 missing 'name' field in record ...
01:05:51.394	#<NoMethodError: private method `name` called for nil:NilClass>	service_name: account-service hostname: host-proxy-west-2 message: #<NoMethodError: private method `name` called fo...
01:05:53.570	Error record 570 missing 'city' field in record	service_name: account-service hostname: host-proxy-west-2 message: Error record 570 missing 'city' field in record ...
01:05:53.572	#<NoMethodError: private method `city` called for nil:NilClass>	service_name: account-service hostname: host-proxy-west-2 message: #<NoMethodError: private method `city` called fo...
01:05:55.813	Error record 630 missing 'name' field in record	service_name: account-service hostname: host-proxy-west-2 message: Error record 630 missing 'name' field in record ...
01:05:55.815	#<NoMethodError: private method `name` called for nil:NilClass>	service_name: account-service hostname: host-proxy-west-2 message: #<NoMethodError: private method `name` called fo...
01:05:56.695	Error record 10410 missing 'city' field in record	service_name: account-service hostname: host-proxy-west-2 message: Error record 10410 missing 'city' field in recor...
01:05:56.696	#<NoMethodError: private method `city` called for nil:NilClass>	service_name: account-service hostname: host-proxy-west-2 message: #<NoMethodError: private method `city` called fo...
01:06:03.938	Error record 840 missing 'city' field in record	service_name: account-service hostname: host-proxy-west-2 message: Error record 840 missing 'city' field in record ...
01:06:03.940	#<NoMethodError: private method `city` called for nil:NilClass>	service_name: account-service hostname: host-proxy-west-2 message: #<NoMethodError: private method `city` called fo...
01:06:09.250	Error record 990 missing 'account_id' field in record	service_name: account-service hostname: host-proxy-west-2 message: Error record 990 missing 'account_id' field in r...
01:06:09.252	#<NoMethodError: private method `account_id` called for nil:NilClass>	service_name: account-service hostname: host-proxy-west-2 message: #<NoMethodError: private method `account_id` cal...
01:06:09.937	Error record 10770 missing 'account_id' field in record	service_name: account-service hostname: host-proxy-west-2 message: Error record 10770 missing 'account_id' field in...
01:06:09.938	#<NoMethodError: private method `account_id` called for nil:NilClass>	service_name: account-service hostname: host-proxy-west-2 message: #<NoMethodError: private method `account_id` cal...
01:06:11.050	Error record 10800 missing 'state' field in record	service_name: account-service hostname: host-proxy-west-2 message: Error record 10800 missing 'state' field in recor...
01:06:11.052	#<NoMethodError: private method `state` called for nil:NilClass>	service_name: account-service hostname: host-proxy-west-2 message: #<NoMethodError: private method `state` called f...
01:06:13.290	Error record 10860 missing 'account_id' field in record	service_name: account-service hostname: host-proxy-west-2 message: Error record 10860 missing 'account_id' field in...
01:06:13.292	#<NoMethodError: private method `account_id` called for nil:NilClass>	service_name: account-service hostname: host-proxy-west-2 message: #<NoMethodError: private method `account_id` cal...
01:06:17.503	#<Net::ProtocolError: Net::ProtocolError>	service_name: proxy-west-2 level: ERROR hostname: host-proxy-west-2 message: #<Net::ProtocolError: Net::ProtocolError>
01:06:17.772	Error record 10980 missing 'name' field in record	service_name: account-service hostname: host-proxy-west-2 message: Error record 10980 missing 'name' field in recor...
01:06:17.773	#<NoMethodError: private method `name` called for nil:NilClass>	service_name: account-service hostname: host-proxy-west-2 message: #<NoMethodError: private method `name` called fo...
01:06:23.818	Error record 1380 missing 'state' field in record	service_name: account-service hostname: host-proxy-west-2 message: Error record 1380 missing 'state' field in recor...
01:06:23.819	#<NoMethodError: private method `state` called for nil:NilClass>	service_name: account-service hostname: host-proxy-west-2 message: #<NoMethodError: private method `state` called f...

Summary Control plane Events

Search for any attribute or value.

DATA FROM MAY 19 2021, 3:02 PM Auto-refresh[Manage Alerts](#)

Namespaces 5

Control Plane

- [Master Nodes 1](#)
- [API](#)
- [Controller](#)
- [Scheduler](#)

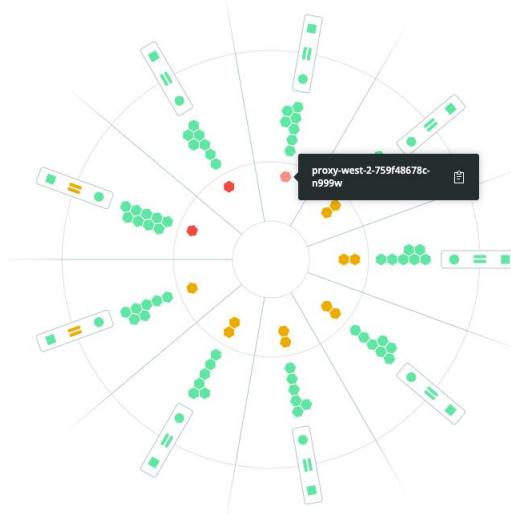
Quick Guide

Click a node or pod on the visual to explore more details. For more filter options, click the entity types below.

- | | |
|----------|--|
| NODE | |
| POD | |
| CRITICAL | |
| WARNING | |
| CPU | |
| MEMORY | |
| STORAGE | |

[Visual focuses on 9 nodes from the cluster with the most critical health issues.](#)

* The RUNNING section includes pods with succeeded, failed, and unavailable statuses.



Related entities

[About this data](#)

This entity:

is contained by 1 workload

 contains 44 Kubernetes deployments
10 more

contains 3 Kubernetes daemons

 contains 77 Kubernetes pods
43 more

contains 9 hosts

Search for nodes, pods or containers

Node	Node Status	Pod	Pod Status	Container	CPU % vs Limit	Mem % vs Limit
ip-172-20-51-113.us-west-1.compute.internal	Non-alerting	proxytron-6d65b785f6-c88ng	Critical - Running	proxytron	28.7%	97.0%
ip-172-20-63-217.us-west-1.compute.internal	Non-alerting	etcd-manager-main-ip-172-20-63-217.us-west-1.compute.int	Critical - Running	etcd-manager	-	-
ip-172-20-61-183.us-west-1.compute.internal	Non-alerting	proxy-west-2-759f48678c-n999w	Critical - Running	proxy-west-2	2.3%	97.2%
ip-172-20-49-1.us-west-1.compute.internal	Non-alerting	tower-riverside-78576c9c8b-n7b4	Warning - Running	tower-riverside	0.6%	57.5%
ip-172-20-52-246.us-west-1.compute.internal	Non-alerting	routing-service-2-748996b885-9gdpd	Warning - Running	routing-service-2	1.9%	69.1%
ip-172-20-52-246.us-west-1.compute.internal	Non-alerting	proxy-west-5-7cc48775b9-5bpkc	Warning - Running	proxy-west-5	1.8%	70.2%
ip-172-20-58-37.us-west-1.compute.internal	Non-alerting	proxy-west-6-67f95bc5f-4dvf5	Warning - Running	proxy-west-6	2.2%	59.3%

New Relic ONE™ All accounts ▾

Explorer / Kubernetes clusters / towersssprod.k8s.local / Demotron V2 | 5 | 画 1

Summary Control plane Events

DATA FROM MAY 19 2021, 3:02 PM Auto refresh

Search for any attribute or value.

Namespaces 5

Control Plane

- MASTER NODES 1
 - API
 - CONTROLLER
 - SCHEDULER

Quick Guide

Click a node or pod on the visual to explore more details. For more filter options, click the entity types below.

Entity Types

NODE	
POD	
CRITICAL	
WARNING	
CPU	
MEMORY	
STORAGE	

① Visual focuses on 9 nodes from the cluster with the most critical health issues.
 * The RUNNING section includes pods with succeeded, failed, and unavailable statuses.

Search for nodes, pods or containers

NODE	NODE STATUS	POD	POD STATUS	CONTAINER
ip-172-20-51-113.us-west-1.compute.internal	Non-alerting	proxytron-6d65b785f6-c88ng	Critical - Running	proxytron
ip-172-20-63-217.us-west-1.compute.internal	Non-alerting	etcd-manager-main-p-172-20-63-217.us-west-1.compute.int	Critical - Running	etcd-manager
ip-172-20-61-183.us-west-1.compute.internal	Non-alerting	proxy-west-2-759f48678c-n999w	Critical - Running	proxy-west-2
ip-172-20-49-1.us-west-1.compute.internal	Non-alerting	tower-riverside-78576c9c8b-n7tb4	Warning - Running	tower-riverside
ip-172-20-52-246.us-west-1.compute.internal	Non-alerting	routing-service-2-748996b885-9gdpd	Warning - Running	routing-service-2
ip-172-20-52-246.us-west-1.compute.internal	Non-alerting	proxy-west-5-7cc48775b9-5bpkc	Warning - Running	proxy-west-5
ip-172-20-58-37.us-west-1.compute.internal	Non-alerting	proxy-west-6-6795bc5f4dvl5	Warning - Running	proxy-west-6

proxy-west-2-759f48678c-n999w Pod

Since 60 minutes ago

Status: Running
Reason: -
Message: -

Namespace: acme
Deployment: proxy-west/proxy-west-2-759f48678c
Created by: ReplicaSet/proxy-west-2-759f48678c
Node: ip-172-20-61-183.us-west-1.compute.internal

No events for this pod in the last about 1 hour.
No log data in the last about 1 hour.

proxy-west-2 Container 1 CRITICAL 2 WARNINGS

Status: Running
Reason: -
Restarts: 412066592467.dkr.ecr.us-west-1.amazonaws.c...

CPU core usage Since 1 hour ago Memory byte usage Since 1 hour ago

See logs

Proxy-West Application 1 CRITICAL 1 WARNING

Error rate: 2.523% Web transaction time Since 1 hour ago Throughput Since 1 hour ago

See application details Trace this application

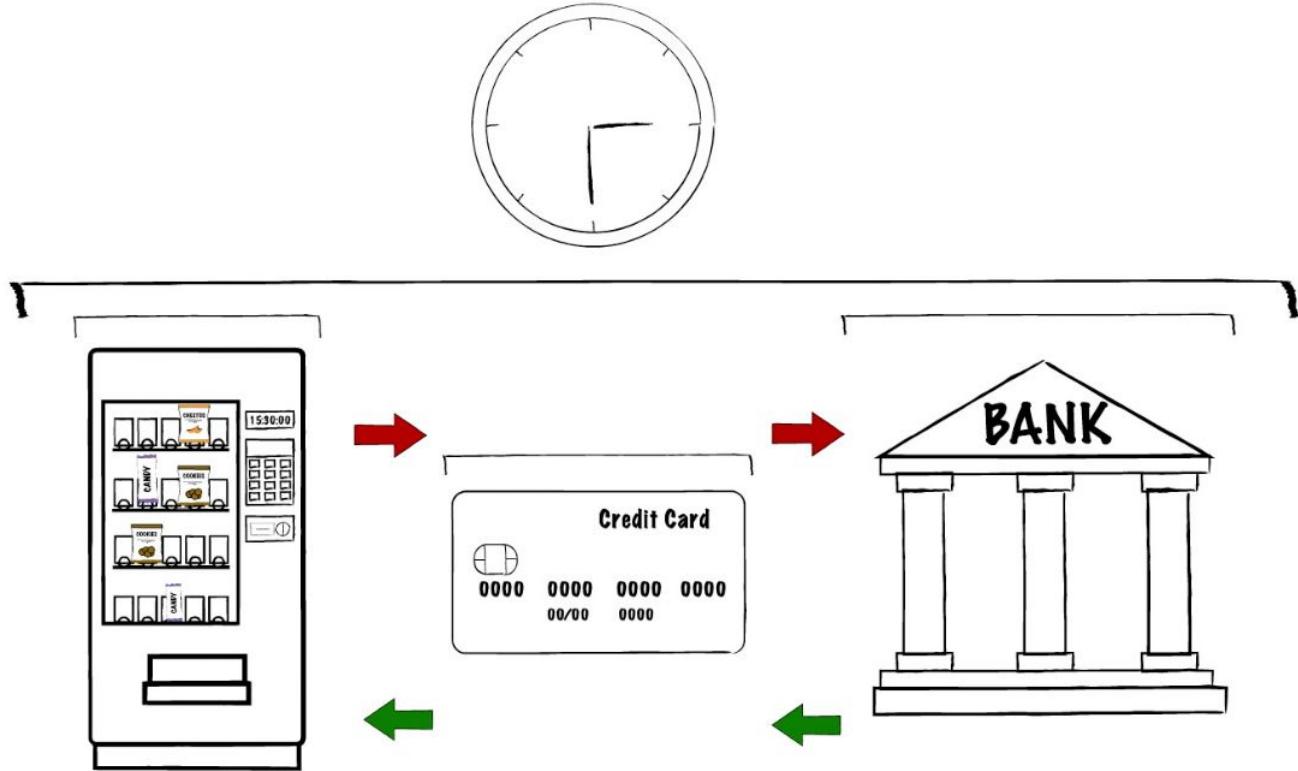
New Relic 45

Trace

(Distributed) Trace

분산 트레이싱

Traces



시간	이벤트타입	소요시간
2021/03/17 15:34:00	카드결제	23초

SPAN

span

미국·영국[spæn] ⓘ 영국식 ⓘ

명사

1 (어떤 일이 지속되는) 기간[시간] (→lifespan)

I worked with him over a **span** of six years. ⓘ

나는 6년간의 기간에 걸쳐 그와 함께 일했다.

2 (포괄하는) 폭[범위], 다양성

Managers have a wide **span** of control. ⓘ

매니저는 관리의 폭이 넓다.

동사

1 (얼마의 기간에) 걸치다[걸쳐 이어지다]

His acting career **spanned** 55 years. ⓘ

그의 연기 경력은 55년에 걸쳐 이어졌다.

2 (넓은 범위많은 것에[을]) 걸치다[포괄하다]

The operation, which **spanned** nine countries, resulted in 200 arrests. ⓘ

9개국에 걸친 그 작전 결과 200명이 체포되었다.

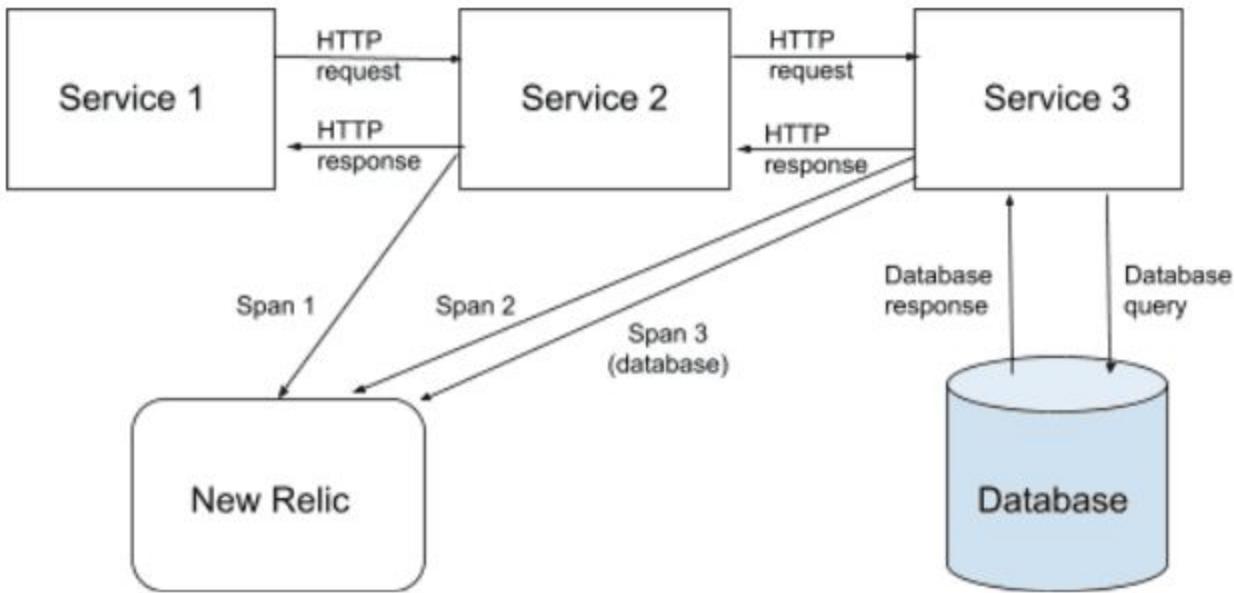
영어사전 다른 뜻 3

시간	이벤트 타입	트레이스 ID	스팬 ID	부모 ID	서비스 ID	소요시간
2021/03/17 15:34:23	Span	2ec68b32	aaa111		자판기	23초
2021/03/17 15:34:22	Span	2ec68b32	bbb111	aaa111	자판기 백앤드	18초
2021/03/17 15:34:20	Span	2ec68b32	ccc111	bbb111	카드회사	15초
2021/03/17 15:34:19	Span	2ec68b32	ddd111	ccc111	은행	3초

시간	이벤트 타입	트레이스 ID	스팬 ID	부모 ID	서비스 ID	소요시간
2021/03/17 15:34:23	Span	2ec68b32	aaa111		자판기	23초
2021/03/17 15:34:22	Span	2ec68b32	bbb111	aaa111	자판기 백앤드	18초
2021/03/17 15:34:20	Span	2ec68b32	ccc111	bbb111	카드회사	15초
2021/03/17 15:34:19	Span	2ec68b32	ddd111	ccc111	은행	3초

시간	이벤트 타입	트레이스 ID	스팬 ID	부모 ID	서비스 ID	소요시간
2021/03/17 15:34:23	Span	2ec68b32	aaa111		자판기	23초
2021/03/17 15:34:22	Span	2ec68b32	bbb111	aaa111	자판기 백앤드	18초
2021/03/17 15:34:20	Span	2ec68b32	ccc111	bbb111	카드회사	15초
2021/03/17 15:34:19	Span	2ec68b32	ddd111	ccc111	은행	3초

시간	이벤트 타입	트레이스 ID	스팬 ID	부모 ID	서비스 ID	소요시간
2021/03/17 15:34:23	Span	2ec68b32	aaa111		자판기	23초 5초
2021/03/17 15:34:22	Span	2ec68b32	bbb111	aaa111	자판기 백앤드	18초 3초
2021/03/17 15:34:20	Span	2ec68b32	ccc111	bbb111	카드회사	15초 12초
2021/03/17 15:34:19	Span	2ec68b32	ddd111	ccc111	은행	3초 3초



Find traces where spans contain

Enter an attribute or click the dropdown for options

Trace Type ⓘ

- Infinite Tracing Data Only
- Multi Span Traces Only

Entities ⓘ

- Search...
- AdService
- AlwaysWorks
- AlwaysWorks
- Awards Database
- azureLoggingestion
- Billing Service
- Billing Service
- Billing Service
- Box
- Box
- Box
- Bubble-Wrap
- Bubble-Wrap
- Bubble-Wrap

Errors ⓘ

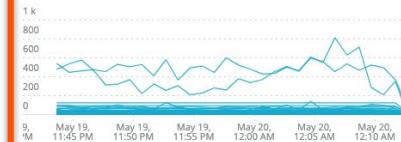
- Search...
- ErrorException
- org.apache.http.client.HttpRes...
- javax.servlet.ServletException
- jodd.json.JsonException
- System.ApplicationException
- EOFError
- NameError
- Net::HTTPHeaderSyntaxError
- Error
- Net::ProtocolError
- RangeError
- Timeout::Error
- errno::EINVAL
- Symfony\Component\HttpKern...

More filters...

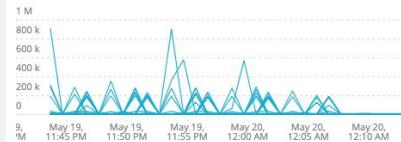
View by: Trace duration

Group similar traces

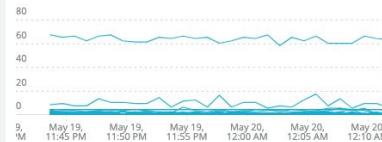
Trace count



Trace duration (ms)



Traces with errors



Trace groups ⓘ

top 300 groups by error count (61.8 thousand of 1.8 million traces)

Trace Started By

	Traces	Spans (avg)	Entities (avg)	Trace Duration	Errors
AdService opentelemetry.proto.collector.metrics.v1.MetricsService/Export	2.7k	1	1	5.70 s p95	1.8k
WebPortal java/ajax.servlet.ServletRequestListener/requestInitialized	13.9k	8	1	280.00 ms p95	271
Plan Service WebTransaction/Action/App/Http.Controllers/TronController@statusMessage	591	164	1	124.56 ms p95	117
Plan Service WebTransaction/Action/App/Http.Controllers/TronController@statusMessage	607	110	1	128.25 ms p95	115
WebPortal WebTransaction/JSP/oops.jsp	163	44	2	3.14 s p95	75
Routing-Service Nested/Controller/Rack/Rubytron/call	947	43	3	8.06 s p95	73
WebPortal WebTransaction/JSP/oops.jsp	38	30	1	3.90 s p95	28
WebPortal GET webportal.rotate.nrdemo-preprod.com:80/coupons/*/isValid	25	5	3	2.30 s p95	25
Frontend /product/{id}	2.2k	27	6	22.75 ms p95	25
WebPortal WebTransaction/JSP/oops.jsp	25	2	2	525.85 ms p95	21
Order-Processing Nested/Controller/Rack/Rubytron/call	797	299	10	1.76 s p95	13
Order-Processing Controller/Sinatra/*/purchase	532	28	14	1.87 s p95	12
out-of-memory-dev-stack test-database-tracing-node/test	12	5	2	31.08 s p95	12

Find traces where spans contain Enter an attribute or click the dropdown for optionsTrace Type 

- Infinite Tracing Data Only
- Multi Span Traces Only

Entities 

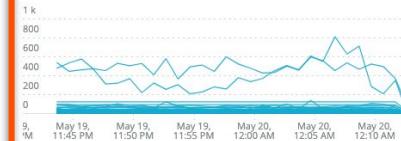
- Search...
- AdService
- AlwaysWorks
- AlwaysWorks
- Awards Database
- azureLoggingestion
- Billing Service
- Billing Service
- Billing Service
- Box
- Box
- Box
- Bubble-Wrap
- Bubble-Wrap
- Bubble-Wrap

Errors 

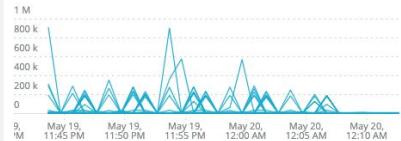
- Search...
 - ErrorException
 - org.apache.http.client.HttpRes...
 - javax.servlet.ServletException
 - jodd.json.JsonException
 - System.ApplicationException
 - EOFError
 - NameError
 - Net::HTTPHeaderSyntaxError
 - Error
 - Net::ProtocolError
 - RangeError
 - Timeout::Error
 - errno::EINVAL
 - Symfony\Component\HttpKern...
- More filters...

View by: Trace duration  Group similar traces 

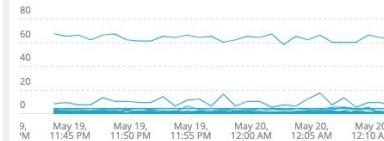
Trace count



Trace duration (ms)



Traces with errors

Trace groups 

top 300 groups by error count (61.8 thousand of 1.8 million traces)

Compare to: 

Trace Started By

	Traces	Spans (avg)	Entities (avg)	Trace Duration	Errors
AdService opentelemetry.proto.collector.metrics.v1.MetricsService/Export	2.7k	1	1	5.70 s p95	1.8k
WebPortal java/ajax.servlet.ServletRequestListener/requestInitialized	13.9k	8	1	280.00 ms p95	271
Plan Service WebTransaction/Action/App/Http/Controllers/TronController@statusMessage	591	164	1	124.56 ms p95	117
Plan Service WebTransaction/Action/App/Http/Controllers/TronController@statusMessage	607	110	1	128.25 ms p95	115
WebPortal WebTransaction/JSP/oops.jsp	163	44	2	3.14 s p95	75
Routing-Service Nested/Controller/Rack/Rubytron/call	947	43	3	8.06 s p95	73
WebPortal WebTransaction/JSP/oops.jsp	38	30	1	3.90 s p95	28
WebPortal GET webportal.rotate.nrdemo-preprod.com:80/coupons/*/isValid	25	5	3	2.30 s p95	25
Frontend /product/{id}	2.2k	27	6	22.75 ms p95	25
WebPortal WebTransaction/JSP/oops.jsp	25	2	2	525.85 ms p95	21
Order-Processing Nested/Controller/Rack/Rubytron/call	797	299	10	1.76 s p95	13
Order-Processing Controller/Sinatra/purchase	532	28	14	1.87 s p95	12
out-of-memory-dev-stack test-database-tracing-node/test	12	5	2	31.08 s p95	12

New Relic ONE™

Home Explorer

Find traces

Trace Type ?

- Infinite Tracing
- Multi Span Traces

Entities ?

- Search...
- AlwaysWorks
- Awards Database
- Billing Service
- Billing Service
- Box
- Box
- Box
- Bubble-Wrap
- Bubble-Wrap
- Bubble-Wrap
- Delivery
- Delivery
- Delivery

Errors ?

- Search...
- org.apache.http
- ErrorException
- javax.servlet.Se
- System.Appli
- jodd.json.Json
- java.net.Socke
- RuntimeException
- exceptions.Sys
- SymfonyCom
- exception
- NameError
- RangeError
- org.springfram
- Error
- 1 More filter...

WebPortal
GET webportal.telco.nrdemo.com:80/coupons/*/isValid

Showing the slowest traces in the group.
Use the search field to find other traces.

Find traces where spans contain error.class = org.apache.http.client.HttpResponseException

View by: Trace duration ▾

3.5 s
3 s
2.5 s
2 s
1.5 s
1 s
0.5 s
0 s

03:55 PM 04:00 PM 04:05 PM 04:10 PM 04:15 PM 04:20 PM 04:25 PM 04:30 PM 04:35 PM 04:40 PM 04:45 PM 04:50 PM

● GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)

PLOT	ROOT ENTRY SPAN	START TIME	TRACE DURATION	ROOT SPAN DURATION	BACKEND DURATION	ENTITIES	SPANS	ERRORS
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	4 minutes ago May 19, 2021 4:48:09 pm	3.13 s	319.00 ms	238.55 ms	3	3	3
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	19 minutes ago May 19, 2021 4:32:50 pm	2.78 s	1.02 s	785.27 ms	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	7 minutes ago May 19, 2021 4:45:42 pm	2.47 s	549.00 ms	505.29 ms	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	about 1 hour ago May 19, 2021 4:52:49 pm	2.34 s	1.64 s	1.14 s	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	16 minutes ago May 19, 2021 4:36:33 pm	2.24 s	1.34 s	1.19 s	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	41 minutes ago May 19, 2021 4:11:48 pm	2.18 s	1.36 s	1.20 s	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	about 1 hour ago May 19, 2021 4:56:42 pm	2.14 s	1.56 s	1.18 s	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	19 minutes ago May 19, 2021 4:33:12 pm	2.11 s	1.23 s	1.07 s	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	19 minutes ago May 19, 2021 4:33:10 pm	2.06 s	925.00 ms	687.30 ms	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	10 minutes ago May 19, 2021 4:41:49 pm	2.06 s	1.19 s	556.32 ms	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	about 1 hour ago May 19, 2021 4:03:48 pm	1.99 s	1.21 s	921.29 ms	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	4 minutes ago May 19, 2021 4:47:54 pm	1.98 s	1.27 s	1.10 s	3	5	5
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	about 1 hour ago May 19, 2021 4:49:38 pm	1.97 s	1.07 s	923.29 ms	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	15 minutes ago May 19, 2021 4:37:25 pm	1.93 s	773.00 ms	739.28 ms	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	about 1 hour ago May 19, 2021 4:49:40 pm	1.89 s	1.29 s	1.13 s	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/... WebPortal	about 1 hour ago	1.92 s	1.05 s	726.60 ms	2	17	0

New Relic ONE™

Home Explorer

Find traces

Trace Type ?

- Infinite Tracing
- Multi Span Traces

Entities ?

- Search...
- AlwaysWorks
- Awards Database
- Billing Service
- Billing Service
- Billing Service
- Box
- Box
- Box
- Bubble-Wrap
- Bubble-Wrap
- Bubble-Wrap
- Delivery
- Delivery
- Delivery

Errors ?

- Search...
- org.apache.http
- ErrorException
- javax.servlet.ServletException
- System.ApplicationError
- jodd.json.JsonException
- java.net.SocketException
- RuntimeException
- exceptions.SystemException
- Symfony\Component\Debug\Exception
- exception
- NameError
- RangeError
- org.springframework.core.NestedIOException
- Error
- 1 More filter...

WebPortal

GET webportal.telco.nrdemo.com:80/coupons/*/isValid

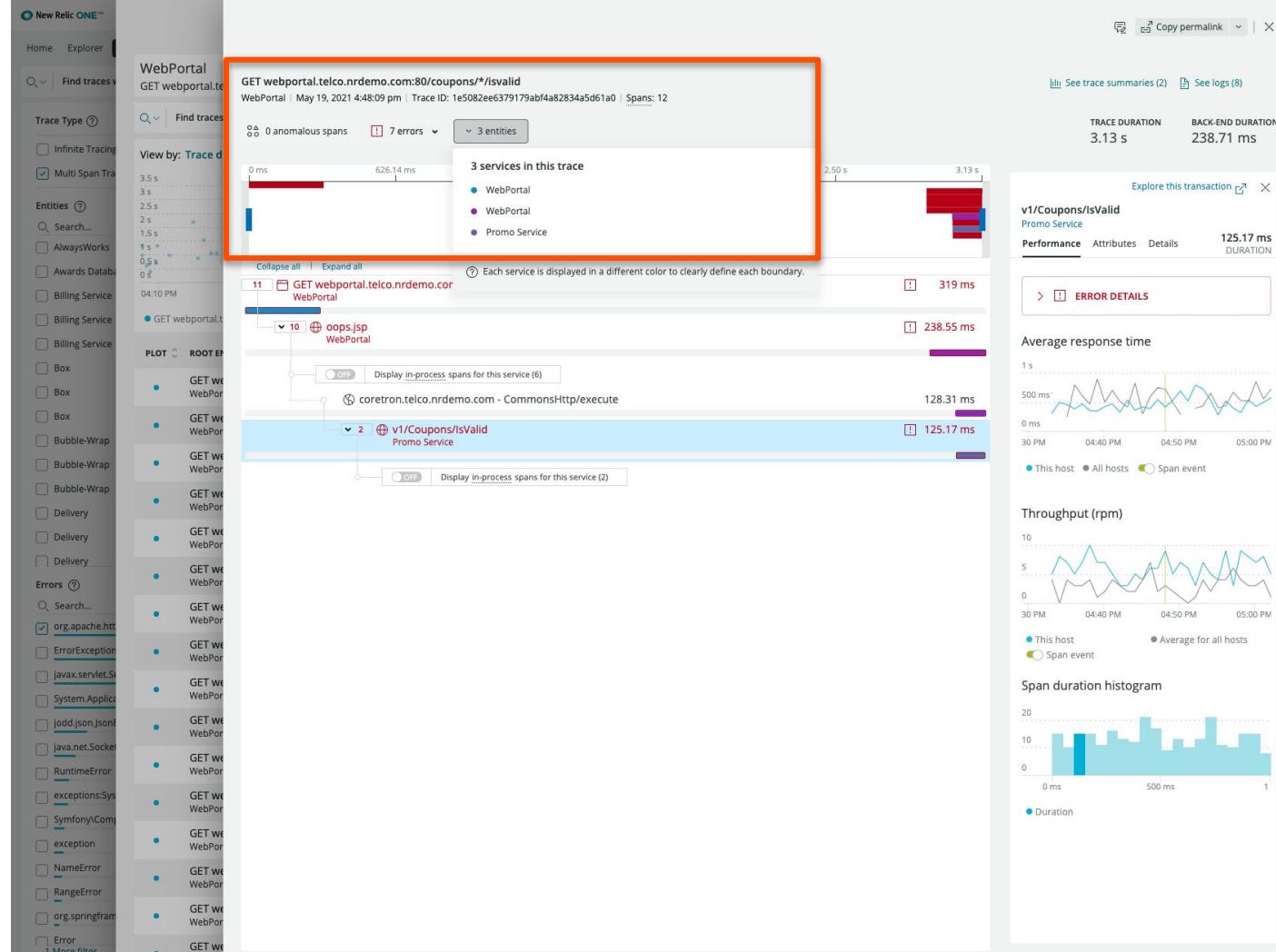
Showing the slowest traces in the group. Use the search field to find other traces.

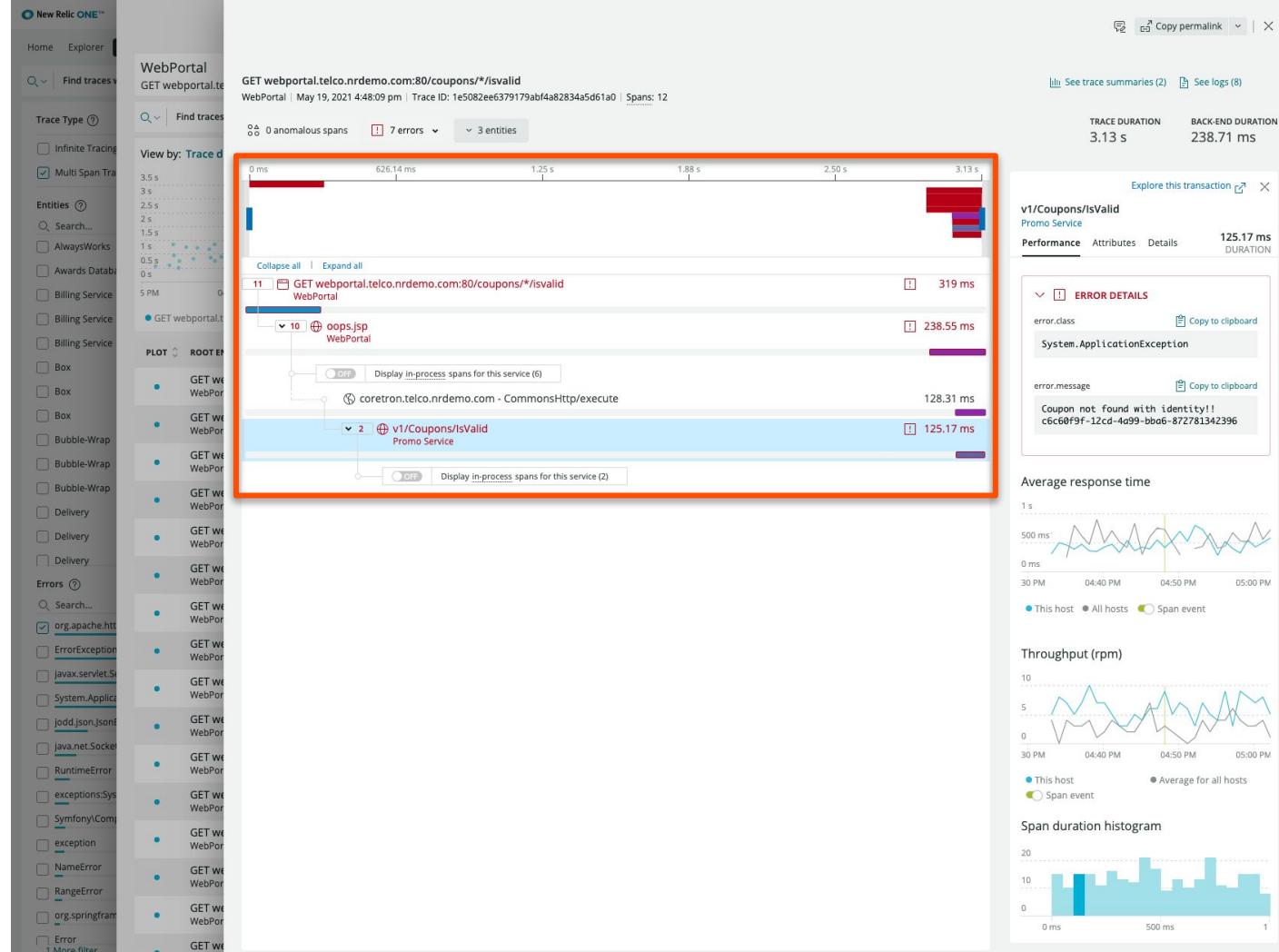
Find traces where spans contain error.class = org.apache.http.client.HttpResponseException

View by: Trace duration

● GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)

PLOT	ROOT ENTRY SPAN	START TIME	TRACE DURATION	ROOT SPAN DURATION	BACKEND DURATION	ENTITIES	SPANS	ERRORS
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	4 minutes ago May 19, 2021 4:48:09 pm	3.13 s	319.00 ms	238.55 ms	3	3	3
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	19 minutes ago May 19, 2021 4:32:50 pm	2.78 s	1.02 s	785.27 ms	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	7 minutes ago May 19, 2021 4:45:42 pm	2.47 s	549.00 ms	505.29 ms	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	about 1 hour ago May 19, 2021 3:52:49 pm	2.34 s	1.64 s	1.14 s	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	16 minutes ago May 19, 2021 4:36:33 pm	2.24 s	1.34 s	1.19 s	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	41 minutes ago May 19, 2021 4:11:48 pm	2.18 s	1.36 s	1.20 s	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	about 1 hour ago May 19, 2021 4:56:42 pm	2.14 s	1.56 s	1.18 s	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	19 minutes ago May 19, 2021 4:33:12 pm	2.11 s	1.23 s	1.07 s	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	19 minutes ago May 19, 2021 4:33:10 pm	2.06 s	925.00 ms	687.30 ms	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	10 minutes ago May 19, 2021 4:41:49 pm	2.06 s	1.19 s	556.32 ms	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	about 1 hour ago May 19, 2021 4:03:48 pm	1.99 s	1.21 s	921.29 ms	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	4 minutes ago May 19, 2021 4:47:54 pm	1.98 s	1.27 s	1.10 s	3	5	5
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	about 1 hour ago May 19, 2021 3:49:38 pm	1.97 s	1.07 s	923.29 ms	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	15 minutes ago May 19, 2021 4:37:25 pm	1.93 s	773.00 ms	739.28 ms	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	about 1 hour ago May 19, 2021 3:49:40 pm	1.89 s	1.29 s	1.13 s	3	12	9
●	GET webportal.telco.nrdemo.com:80/coupons/*/isValid (WebPortal)	about 1 hour ago	1.92 s	1.05 s	726.60 ms	2	17	0







Service - APM



In-process



Datastore



External



Browser



Mobile



Lambda

Explorer / Services - APM / ★ Promo Service / Demotron V2 | 13 | 8 Show new view Share from May 19, 04:33 pm to May 19, 05:03 pm

Summary

Monitor

Distributed tracing

Service map

Dependencies

Transactions

Databases

External services

Events

Errors

Violations

Deployments

Thread profiler

Reports

SLA

Scalability

Web transactions

Database

Background jobs

Settings

Application

Alert conditions

Environment

Metric normalization

More views

Add app

Agent Sessions

Servers All servers

Most time consuming

/v1/Coupons/GetCoupon	56.9%
/v1/Coupons/List	27%
/v1/Coupons/IsValid	16%
/Default/Get	0.09%
/404	0%

Show all transactions table...

/v1/Coupons/IsValid

View key transaction Find distributed traces for this transaction New

App performance

App server breakdown

Throughput

Breakdown table

Category	Segment	% Time	Avg calls (per txn)	Avg time (ms)
DotNet	CouponsController.IsValid()	99.8	1.0	491
DotNet	Middleware Pipeline	0.2	1.0	0.994

Transaction traces

Sample performance details

Date	Transaction / Details	App server
17:02 — about 1 hour ago	/v1/Coupons/IsValid /api/v1/coupons/2a170653-3bd6-4364-a6b7-38df0132b3fa/isValid	895 ms
16:58 — about 1 hour ago	/v1/Coupons/IsValid /api/v1/coupons/c6c60f9f-12cd-4a99-bba6-872781342396/isValid	920 ms
16:51 — about 1 hour ago	/v1/Coupons/IsValid /api/v1/coupons/1a70a716-13f6-4658-b486-80e9d9c529a3/isValid	931 ms
16:36 — about 2 hours ago	/v1/Coupons/IsValid /api/v1/coupons/9f4a802a-e923-44ca-a4b1-35b8dc05feaf/isValid	917 ms

Explorer / Services - APM / Promo Service | Demotron V2 | 13 | 8 Show new view

ip-172-31-29-252(dotnetPromo Service)

Share from May 19, 04:33 pm to May 19, 05:03 pm

Transactions /V1 Refresh the cache NR XML NR JSON NR

Monitor /De May 19, '21 5:02 pm 895 ms TRACE TIME RESP. TIME

Distributed tracing /40

Service map Show Summary Trace details

Dependencies

Transactions Transactions

Databases

External services

CouponsController.IsValid() Middleware Pipeline Transaction

Chart is not yet supported on Insights dashboards Show chart metrics NR

Category	Slowest components	Count	Duration	%
DotNet	CouponsController.IsValid()	1	895 ms	100%
Middleware Pipeline	Middleware Pipeline	1	0.711 ms	0%
Transaction	Transaction	1	0.0527 ms	0%
Total time		896 ms	100%	

Related error traces

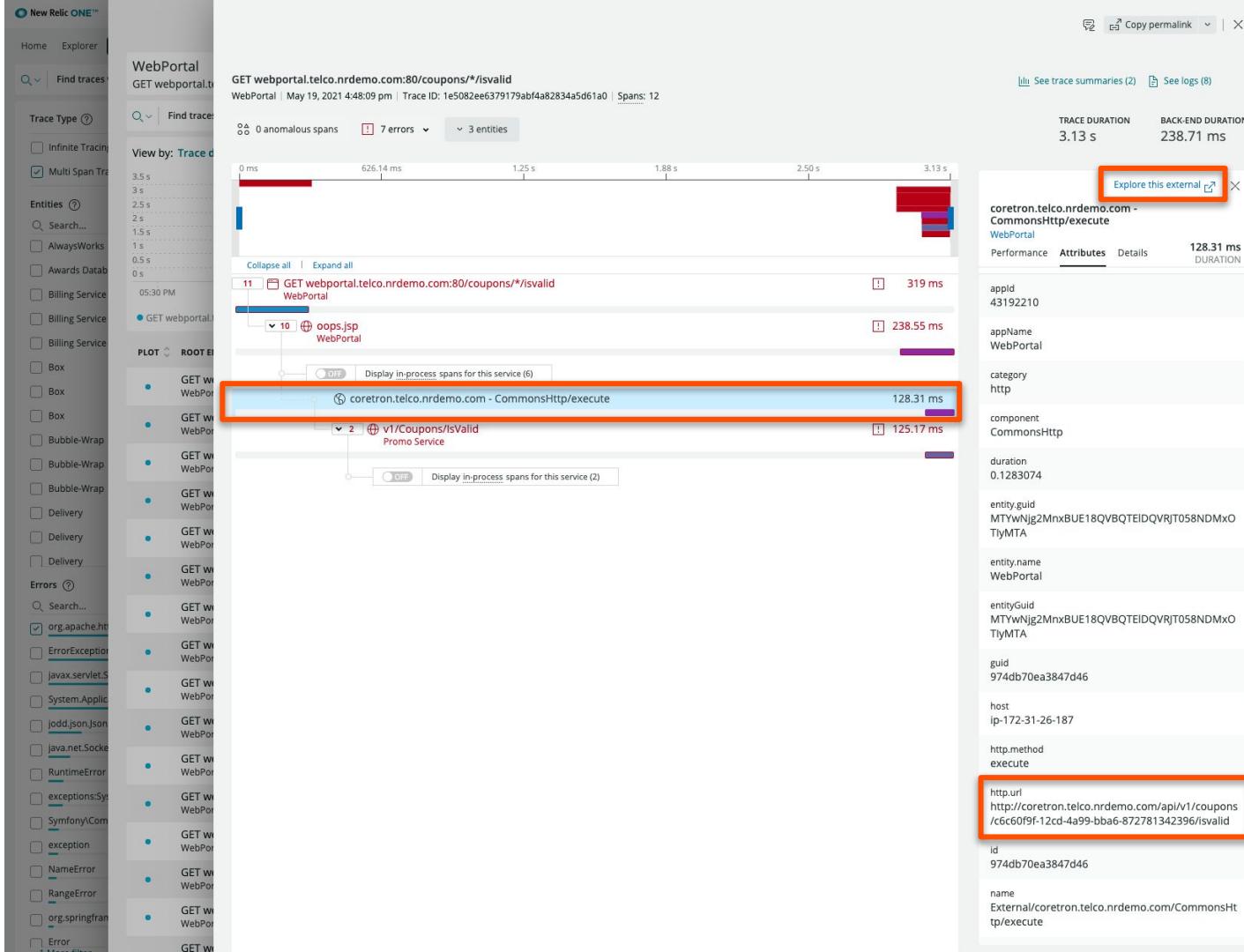
Timestamp	Transaction / App	Error class	Error message
5:01 pm	/V1/Coupons/IsValid Promo Service	System.ApplicationException	Coupon not found with identity!! 2a170653-3bd6-4364-a6b7-38df0132b3fa

URL /api/v1/coupons/2a170653-3bd6-4364-a6b7-38df0132b3fa/isValid

Transaction attributes ?

isValidCoupon	false	
PromoService	CouponCheckoutAmount	0
host	displayName	ip-172-31-29-252
http	statusCode	500
response	status	500

More views



Explorer ▾

/ Services - APM /

WebPortal

Demotron V2

20

10

Show new view

Share

from May 19, 04:33 pm to May 19, 05:03 pm ▾

Summary

Monitor

Distributed tracing

Service map

Dependencies

Transactions

Databases

External services

JVMs

Threads

Events

Errors

Violations

Deployments

Thread profiler

Reports

SLA

Scalability

Web transactions

Database

Background jobs

Settings

Application

Sort by Most time consuming

Top 20 external services

by most time consuming

plan.telco.nrdemo.com 49.19 %

coretron.telco.nrdemo.com 40.27 %

inventory.telco.nrdemo.com 9.09 %

fulfillment.telco.nrdemo.com 1.38 %

login.telco.nrdemo.com 0.079 %

[See external services table](#)**External service: coretron.telco.nrdemo.com****300**

Response time (average, milliseconds)

108

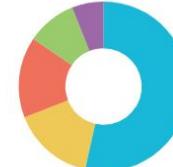
Throughput (count, external calls per minute)

Response time

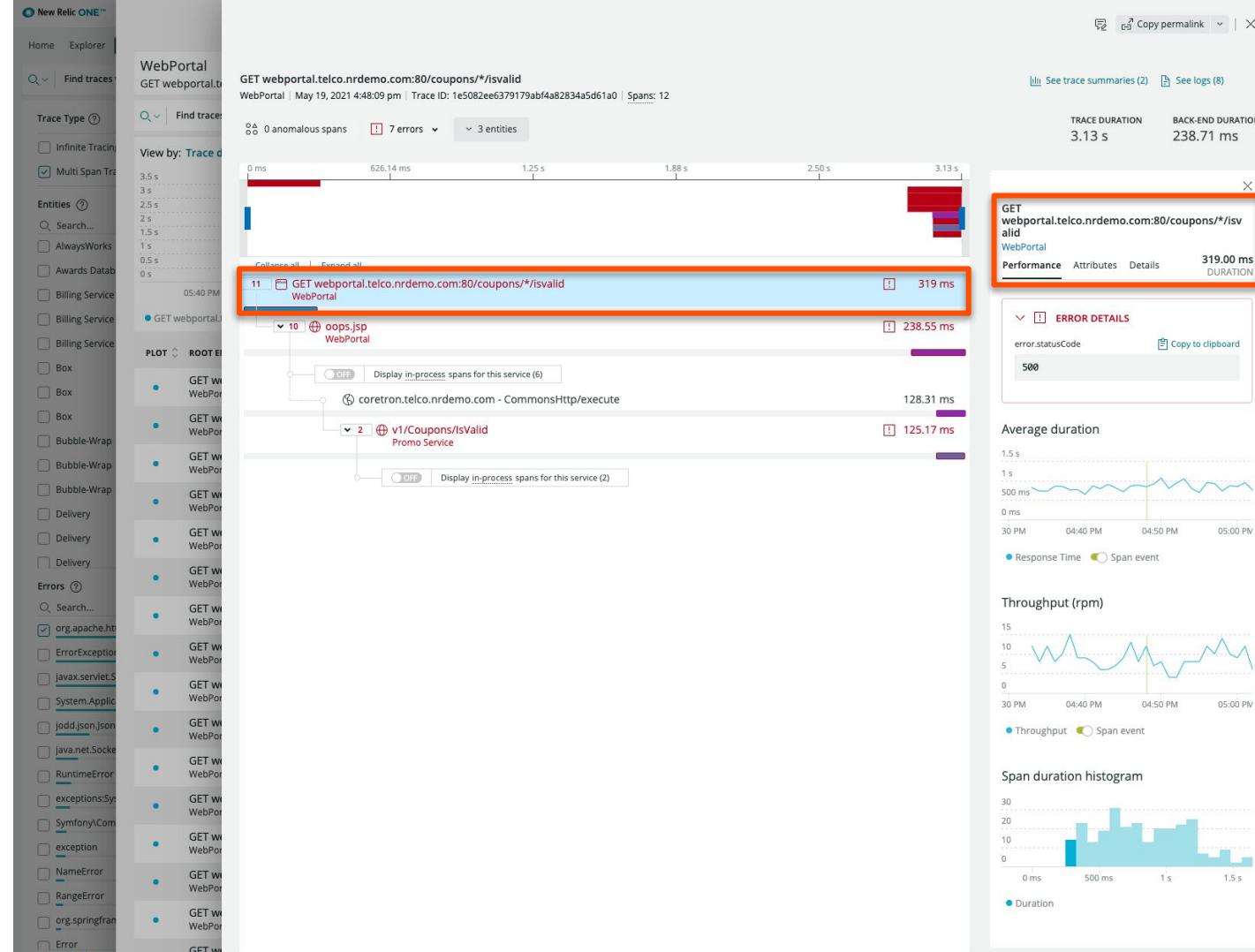
Since May 19, 04:33 pm until May 19, 05:03 pm

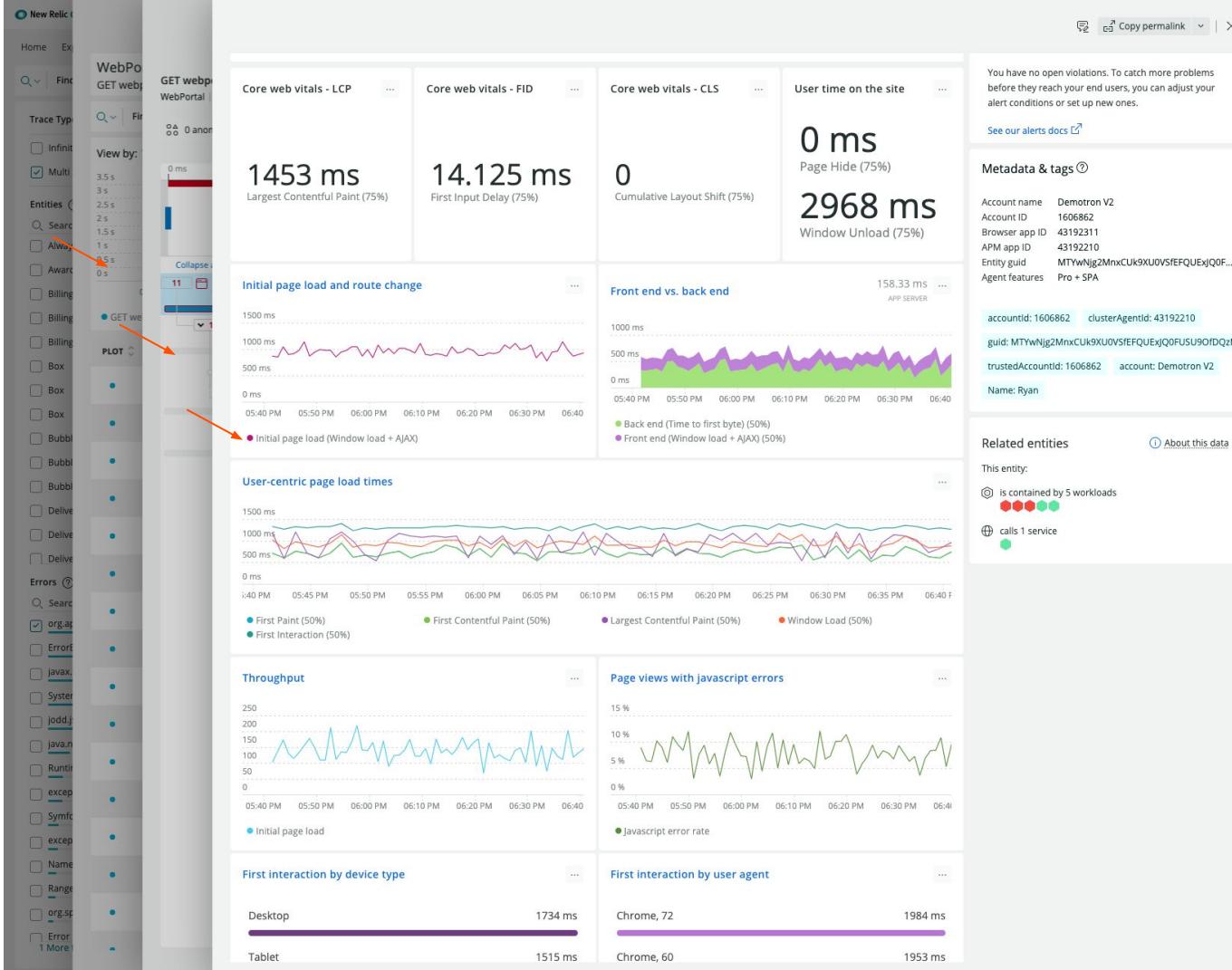
**External calls per minute**

Since May 19, 04:33 pm until May 19, 05:03 pm

**Time consumption by caller****EXTERNAL SERVICE CALLERS (946)**

browse/phone.jsp	506	53.51 %
browse/plans.jsp	147	15.55 %
browse/phones.jsp	146	15.4 %
oops.jsp	90	9.52 %
coupons/isValid.jsp	56.9	6.02 %



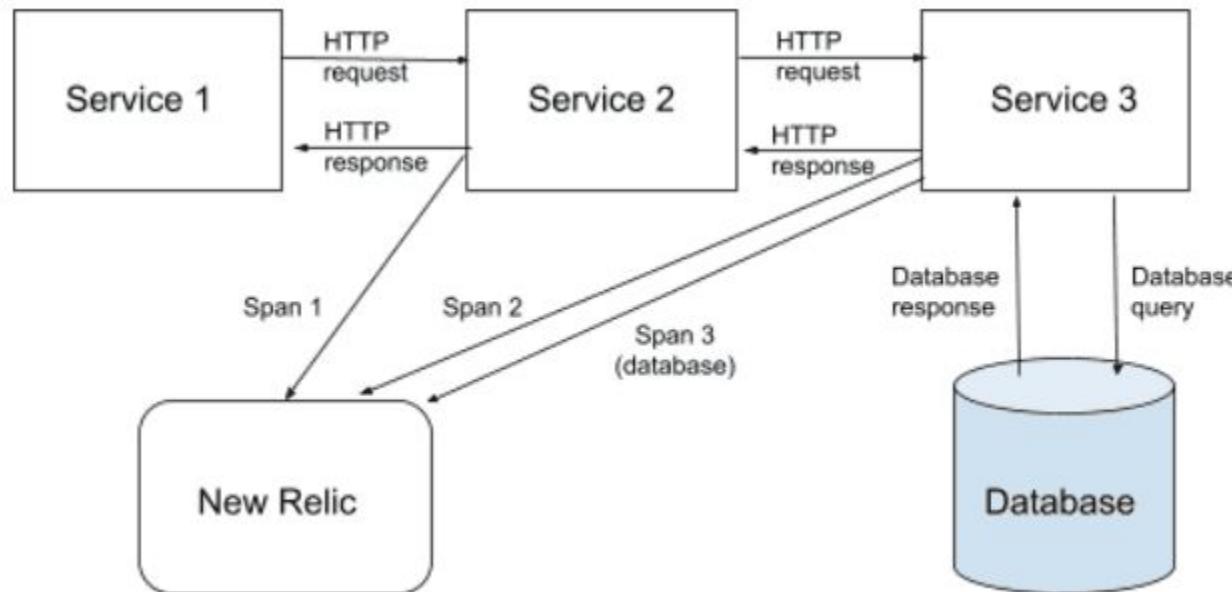


11 GET webportal.telco.nrdemo.com:80/coupons/*/isValid
WebPortal

10 oops.jsp
WebPortal

ON

Display in-process spans for this service (6)



</> Servlet/org.apache.jsp.oops_jsp/service

</> Jsp/oops.jsp

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New Relic 77

New Relic ONE™ All accounts

Explorer / Kubernetes clusters / towerssprod.k8s.local Demotron V2 5 1 DATA FROM MAY 20 2021, 11:04 AM Auto

Summary Control plane Events

Search for any attribute or value.

NAMESPACES 5

CONTROL PLANE

MASTER NODES 1

- API
- CONTROLLER
- SCHEDULER

QUICK GUIDE

Click a node or pod on the visual to explore more details, for more filter options, click the entity types below.

NODE

- POD
- Critical
- Warning
- CPU
- Memory
- Storage

Visual focuses on 9 nodes from the cluster with the most critical health issues.

* The RUNNING section includes pods with succeeded, failed, and unavailable statuses.

PENDING ALERTING RUNNING*

Search for nodes, pods or containers

NODE	NODE STATUS	POD	POD STATUS	CONTAINER
ip-172-20-51-113.us-west-1.compute.internal	Non-alerting	proxytron-6d65b785f6-c88ng	Critical - Running	proxytron
ip-172-20-63-217.us-west-1.compute.internal	Non-alerting	etcd-manager-main-ip-172-20-63-217.us-west-1.compute.i	Critical - Running	etcd-manager
ip-172-20-61-183.us-west-1.compute.internal	Non-alerting	proxy-west-2-759f48678c-n999w	Critical - Running	proxy-west-2
ip-172-20-49-1.us-west-1.compute.internal	Non-alerting	tower-riverside-78576c9c8b-n7tb4	Warning - Running	tower-riverside
ip-172-20-52-246.us-west-1.compute.internal	Non-alerting	routing-service-2-748996b885-9gdpd	Warning - Running	routing-service-2
ip-172-20-52-246.us-west-1.compute.internal	Non-alerting	proxy-west-5-7cc48775b9-5bpkc	Warning - Running	proxy-west-5
ip-172-20-58-37.us-west-1.compute.internal	Non-alerting	proxy-west-6-67f95bc5f-4dvf5	Warning - Running	proxy-west-6

proxy-west-2-759f48678c-n999w Pod

Status: Running
Reason: -
Message: -

Namespace: acme
Deployment: proxy-west-2
Created by: ReplicaSet/proxy-west-2-759f48678c
Node: ip-172-20-61-183.us-west-1.compute.internal

No events for this pod in the last 30 minutes

See pod details No log data in the last 30 minutes

proxy-west-2 Container 1 CRITICAL 2 WARNINGS

Status: Running
Reason: -
Restarts: -
Image: 412066592467.dkr.ecr.us-west-1.amazonaws.c...

CPU core usage Since 30 minutes ago Memory byte usage Since 30 minutes ago

300 M 200 M 100 M 0 6:30 PM 06:40 PM 06:50 PM 07:00 PM 6:30 PM 06:40 PM 06:50 PM 07:00 PM

● Limit: 250 ● Request: 100 ● Limit: 210 M ● Request: 157 M

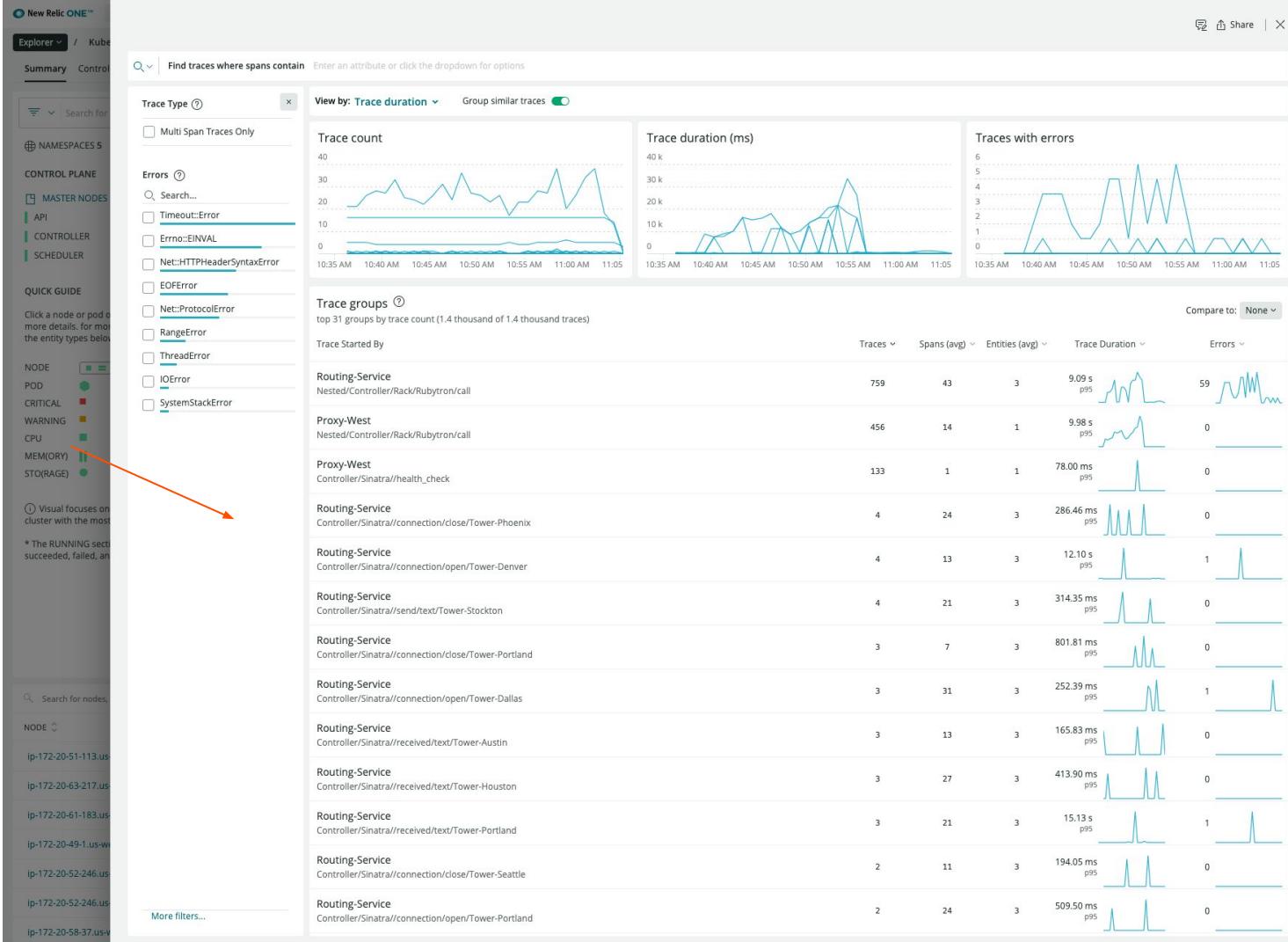
See container details See logs

Proxy-West Application 1 CRITICAL 1 WARNING

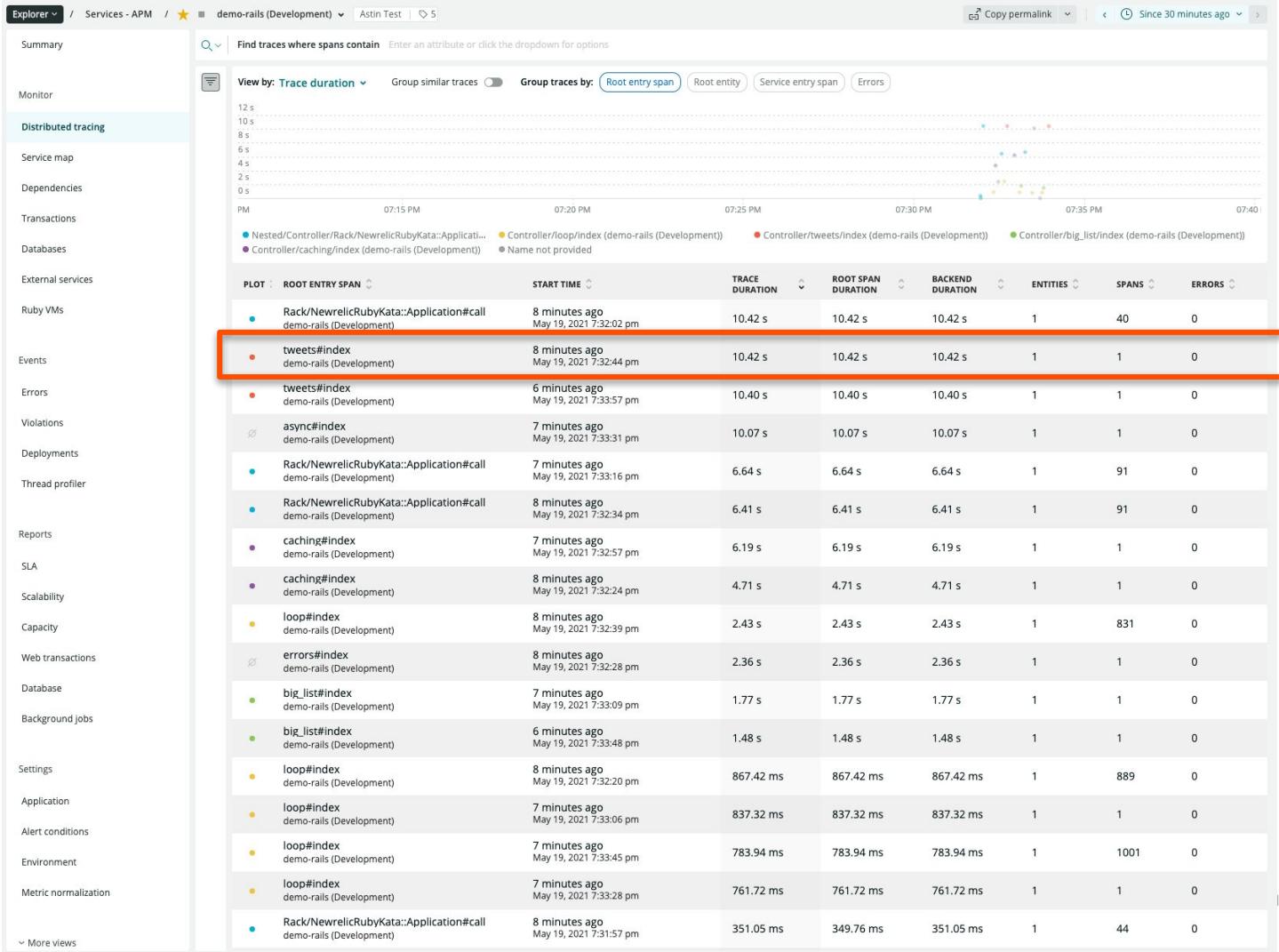
Error rate: 6.935% Web transaction time Since 30 minutes ago Throughput Since 30 minutes ago

4000 ms 3000 ms 2000 ms 1000 ms 0 ms 6:30 PM 06:40 PM 06:50 PM 07:00 PM 1 k 500 0 6:30 PM 06:40 PM 06:50 PM 07:00 PM

See application details Trace this application



Slow Query 찾기



New Relic ONE™

Explorer / Server

tweets#index
demo-rails (Development) | May 19, 2021 7:32:02 pm | Trace ID: cb14f196815887ad37ddb29431de4c96 | Spans: 40

Summary Monitor Distributed tracing Service map Dependencies Transactions Databases External services Ruby VMs Events Errors Violations Deployments Thread profiler Reports SLA Scalability Capacity Web transactions

0 ms 2.08 s 4.17 s 6.25 s 8.34 s 10.42 s

0 anomalous spans 0 errors 1 entity

TRACE DURATION 10.42 s BACK-END DURATION 10.42 s

[See trace summaries \(1\)](#) No logs found

Explore this datastore

Postgres Icon find
demo-rails (Development)

Performance Attributes Details DURATION 10.01 s

Query [Copy to clipboard](#)

`select pg_sleep(?)`

Average query time

15 s
10 s
5 s
0 ms

07:10 PM 07:20 PM 07:30 PM

This host Span event

Throughput (rpm)

1 k
500
0

07:10 PM 07:20 PM 07:30 PM

This host Span event

[Explore this datastore](#)

39 tweets#index demo-rails (Development)

Display in-process spans for this service (32)

twitter.com - Net::HTTP/GET 73.11 ms

twitter.com - Net::HTTP/GET 240.46 ms

Postgres Icon find 10.01 s

Postgres select 0.64 ms

Postgres select 0.73 ms

Postgres select 1.06 ms

Postgres select 0.64 ms

New Relic ONE™ All accounts

Explorer / Services - APM / demo-rails (Development) / Astin Test / 5 Show new view

Summary

Postgres Icon find 99.46 %

Postgres WebSite find 0.52 %

Postgres select 0.017 %

Postgres ActiveRecord::SchemaMigration find 0.0012 %

Postgres show 0.001 %

Databases

See database operations table

Monitor

Distributed tracing

Service map

Dependencies

Transactions

Ruby VMs

Events

Errors

Violations

Deployments

Thread profiler

Reports

SLA

Scalability

Capacity

Web transactions

Database

Background jobs

Settings

Application

Alert conditions

Environment

Metric normalization

More views

Query time (average, milliseconds)

8.3

Throughput (count, queries per minute)

167

Copy permalink

from May 19, 07:07 pm to May 19, 07:37 pm

Query

12 s
10 s
8 s
6 s
4 s
2 s
0 s

4 07:10 PM 07:15 PM 07:20 PM 07:25 PM 07:30 PM 07:35 PM

Postgres Icon find

Throughput

Since May 19, 07:07 pm until May 19, 07:37 pm

3 k
2 k
1 k
0

4 07:10 PM 07:15 PM 07:20 PM 07:25 PM 07:30 PM 07:35 PM

Postgres Icon find

Time consumption by caller

DATABASE OPERATION CALLERS (31.4)

CALLER	COUNT	PCT
tweets#index	30	95.53 %
loop#index	1.41	4.47 %

Slow queries

DATE	QUERY	DURATION
7:37pm	select pg_sleep(?)	10 s
7:34pm	select pg_sleep(?)	10 s
7:32pm	select pg_sleep(?)	10 s
7:33pm	select pg_sleep(?)	10 s

ed New Relic 83



Ex... ▾

Summ

Monito

Distrib

Service

Depen

Transa

Datab

Extern

Ruby

Events

Errors

Violati

Slow query trace

Selected: Postgres Icon find

TIMESTAMP	7:37pm	DURATION	10	DATABASE	newrelic-ruby-kata_development	DATABASE INSTANCE	ip-172-31-44-136:5432
		s		NAME			

Transaction

[tweets#index](#)

Query [Copy to clipboard](#)

`select pg_sleep(?)`

Query analysis

Attribute	Value
QUERY PLAN	Result (cost=0.00..0.01 rows=1 width=4)

Stack Trace [show framework code](#) [Copy to clipboard](#)

`...me/user/newrelic-ruby-kata/app/controllers/tweets_controller.rb:6:in `index'`

Events
Errors

Stack Trace

...me/user/newrelic-ruby-kata/app/controllers/tweets_controller.rb:6:in `index'

EXPLORER

- NEWRELIC-RUBY-...
- app
 - assets
 - controllers
 - application_controller.rb
 - async_controller.rb
 - big_list_controller.rb
 - caching_controller.rb
 - errors_controller.rb
 - home_controller.rb
 - loop_controller.rb
 - many_assets_controller.rb
 - tweets_controller.rb M
- helpers

tweets_controller.rb M X

app > controllers > tweets_controller.rb

```
1 class TweetsController < ApplicationController
2
3   def index
4     response = HTTParty.get('http://twitter.com/newrelic')
5
6     icon = Icon.find_by_sql("select pg_sleep(10)")
7
8     parsed_data = Nokogiri::HTML.parse response.body
9     tweetNodes = parsed_data.css(".js-tweet-text")
10    @nodes = tweetNodes.collect do |node|
11      node.inner_html
12    end
13  end
14 end
15
```

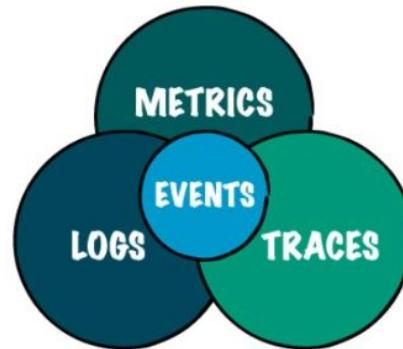
telic. 85

MTTD & MTTR

The background of the slide features a series of thin, light-colored diagonal lines of varying lengths and colors (white, light blue, light green) that intersect and overlap each other, creating a sense of depth and motion.

M.E.L.T.

Metrics. Events. Logs. Traces.



옵저버빌리티!

시스템에 대해 미리 알지 못하는 부분에 대한
질문할 수 있는 역량

옵저버-빌리티

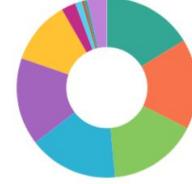


Users Day Over Day
Since 1 week ago compared with 1 day ago

418 k 9.5 %

Site Visitors

Error Breakdown
Since 1 week ago



Error Type	Count	Percentage
Coupon ...	8.29 k	16.23 %
Coupon ...	8.27 k	16.2 %
Coupon ...	8.22 k	16.11 %
Coupon ...	8.18 k	16.02 %
Coupon ...	8.03 k	15.72 %
400	5.83 k	11.42 %
Other	1.81 k	3.54 %

Users At Risk
Since 1 week ago

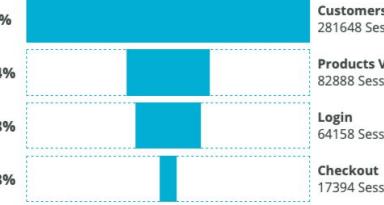
512

Users Experiencing Errors

Slow Pages (>5s)
Since 1 week ago

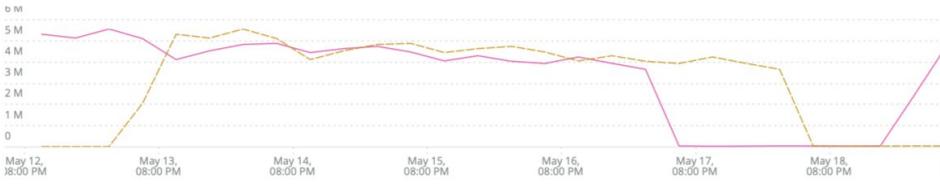
Page URL	Count
http://webportal.telco.nrdemo.com/browse/phones/674...	30.6 k
http://webportal.telco.nrdemo.com/	8.46 k
http://webportal.telco.nrdemo.com/browse/phones/999...	7.39 k
http://webportal.telco.nrdemo.com/browse/phones/999...	7.24 k

Purchase Funnel Today
Since 1 week ago



Step	Count	Percentage
Customers	281648 Sessions	100%
Products Viewed	82888 Sessions	29.4%
Login	64158 Sessions	22.8%
Checkout	17394 Sessions	6.18%

Revenue Trend
Since 1 week ago compared with 1 day ago



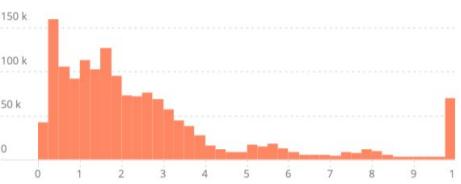
Revenue (pink line) vs Previous Revenue (yellow line) from May 12 to May 18.

Total Revenue At Risk
Since 1 week ago

232 k

Revenue

Page Durations
Since 1 week ago



Duration * 2 (red bars) from 0 to 10 seconds.

Live Users
Since 1 week ago compared with 1 day ago

Top Used Features
Since 1 week ago

Feature	Count
WebTransaction/Servlet/default	4.97 M

Transactions And Error Codes
Since 1 week ago

App Name	Count	Error Code
WebTransaction/Servlet/default	4.97 M	N/A

New Relic ONE™ All accounts ▾

Dashboards ▾ / ★ Executive View - Business Outcomes ▾ Demotron V2 | ⚙ 6

Search for any attribute or value.

418 k ▲ 9.5 % Site Visitors

Users Day Over Day
Since 1 week ago compared with 1 day ago

Error Breakdown
Since 1 week ago

ERROR MESSAGES (51 K)

Message	Count	Percentage
Coupo...	8.29 k	16.23 %
Coupo...	8.27 k	16.2 %
Coupo...	8.22 k	16.11 %
Coupo...	8.18 k	16.02 %
Coupo...	8.03 k	15.72 %
400	5.83 k	11.42 %
Other	1.81 k	3.54 %

Slow Pages (>5s)
Since 1 week ago

- http://webportal.telco.nrdemo.com/browse/phones/6... 30.6 k
- http://webportal.telco.nrdemo.com/ 8.46 k
- http://webportal.telco.nrdemo.com/browse/phones/9... 7.39 k
- http://webportal.telco.nrdemo.com/browse/phones/9... 7.24 k

Purchase Funnel Today
Since 1 week ago

Expand
Get as image
Get chart link
Copy
View query
Create alert condition
Edit
Delete

17394 Sessions

Revenue Trend
Since 1 week ago compared with 1 day ago

May 12, 08:00 PM May 13, 08:00 PM May 14, 08:00 PM May 15, 08:00 PM May 16, 08:00 PM May 17, 08:00 PM May 18, 08:00 PM

Revenue Previous Revenue

Top Used Features
Since 1 week ago

WebTransaction/Servlet/default 4.97 M

Transactions And Error Codes
Since 1 week ago

APP NAME	COUNT	ERROR CODE
----------	-------	------------

Purchase Funnel Today query

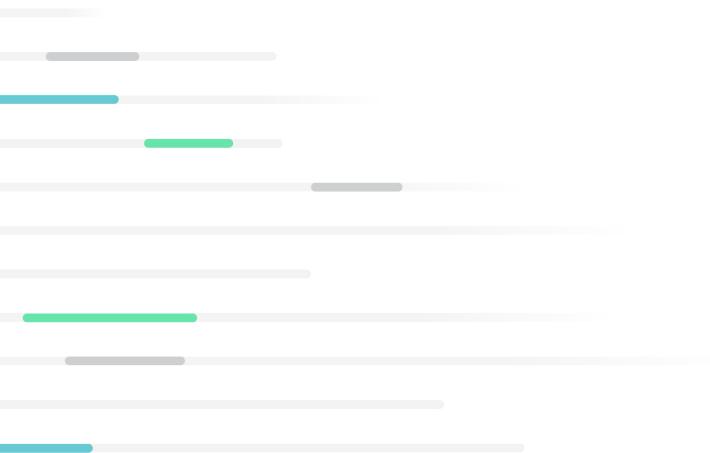
Account: Demotron V2

```
SELECT funnel(session, WHERE pageUrl like '%' AS 'Customers', where pageUrl like '%/browse/plans' AS 'Products Viewed', WHERE pageUrl LIKE '%login.jsp' AS 'Login', WHERE pageUrl LIKE '%/checkout' AS 'Checkout')
FROM PageView SINCE 1 day ago
```

[Open in query builder](#)

newrelic.com/kr/signup

매월 100G 무료 데이터 인제스트



Thank You