



NRUG Vol.2

New Relic

新機能アップデート

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New Relic K.K.

Mar 16, 2021

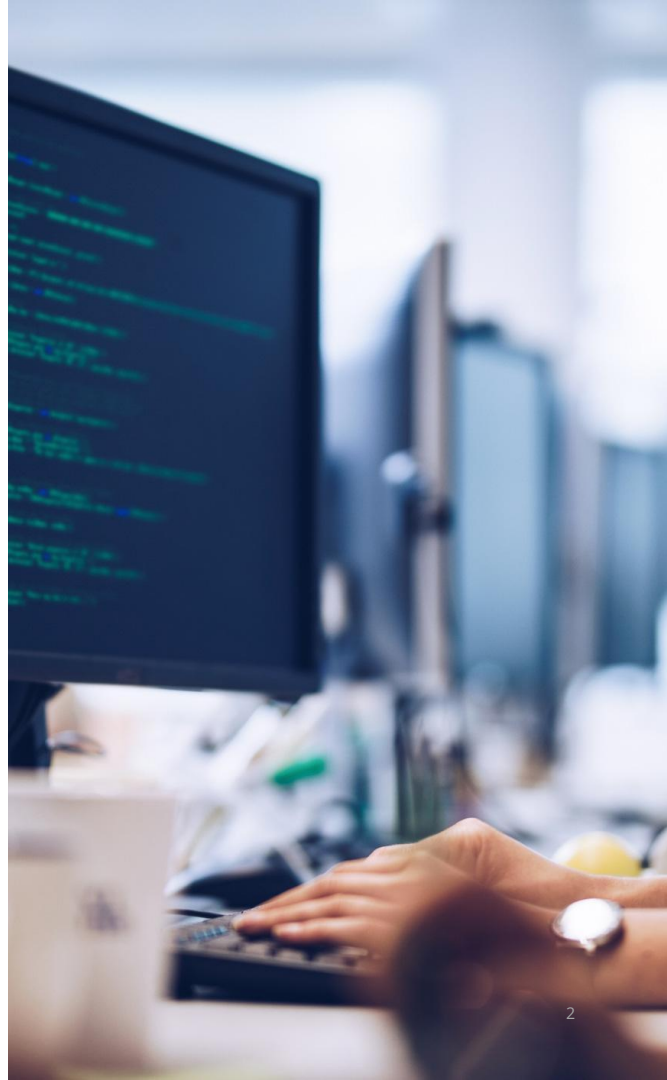
対象者とゴール

対象者

- New Relicの基本的な知識をお持ちの方
- New Relicの新機能を知りたい方

ゴール

- ここ数ヶ月のNew Relicの新機能アップデート概要把握

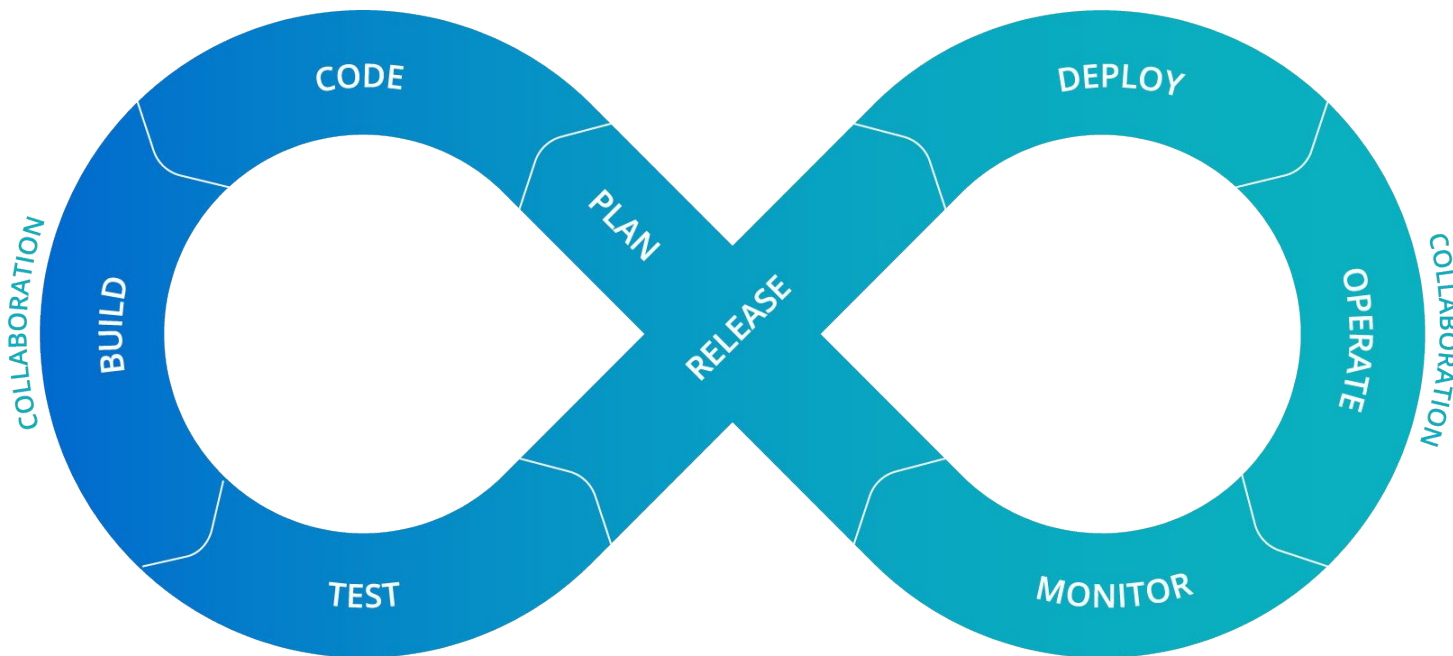


Agenda

1. フルサイクルに貢献するエンジニアになるために
2. New Relic新機能アップデート
 - a. APM (New **External Services**, **Errors Inbox** in APM, **Logs** in APM, **k8s** in APM)
 - b. **Tracing Rate Limit 撤廃**
 - c. **native OTLP**拡充
 - d. **Service Level Management SLM** (Beta)
 - e. **Infrastructure V2**
 - f. Other
 - i. **I/Oの多数の追加** (**CircleCI**、 **GCP Log**、 **Azure Log**、 etc...)
 - ii. **Invite a teammate**
 - iii. **Core User**リリース
 - g. **NRU日本語**リリース

フルサイクルに貢献する エンジニアになるために

開発者と運用/SREのソフトウェアライフサイクル

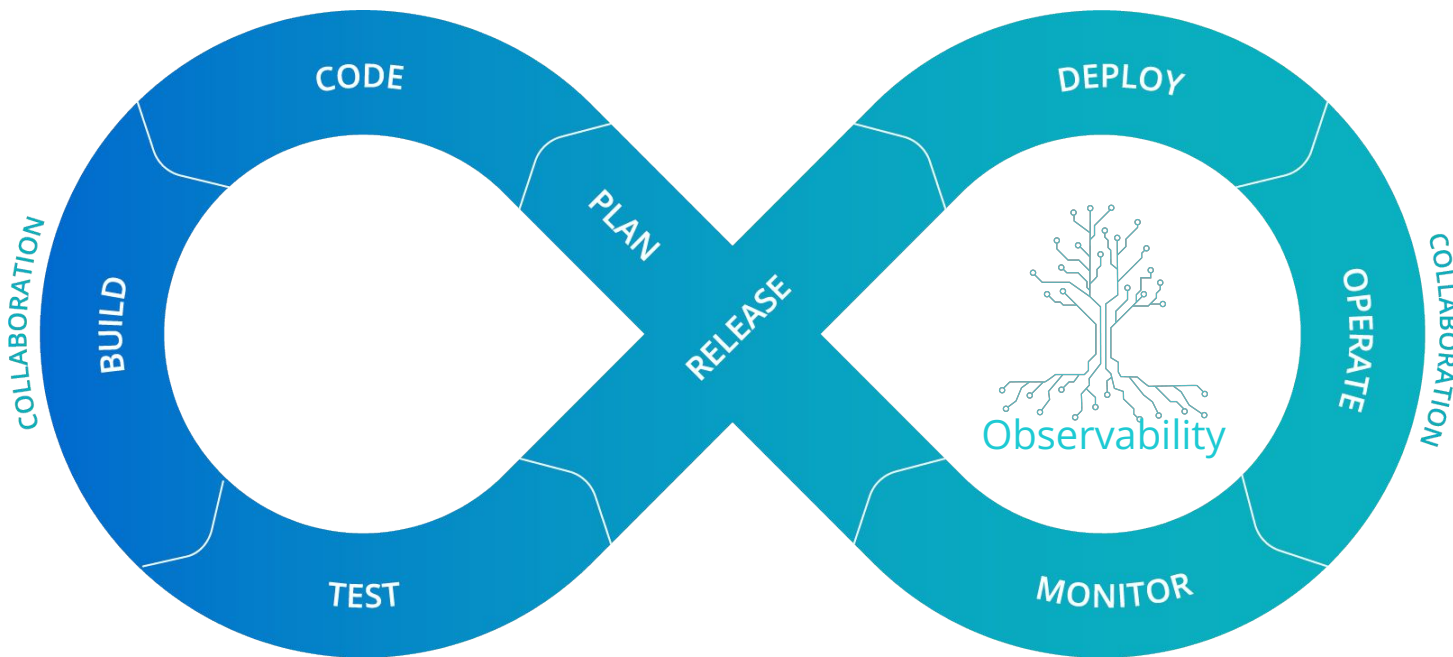


開発



運用/SRE

運用のためのオブザーバビリティ

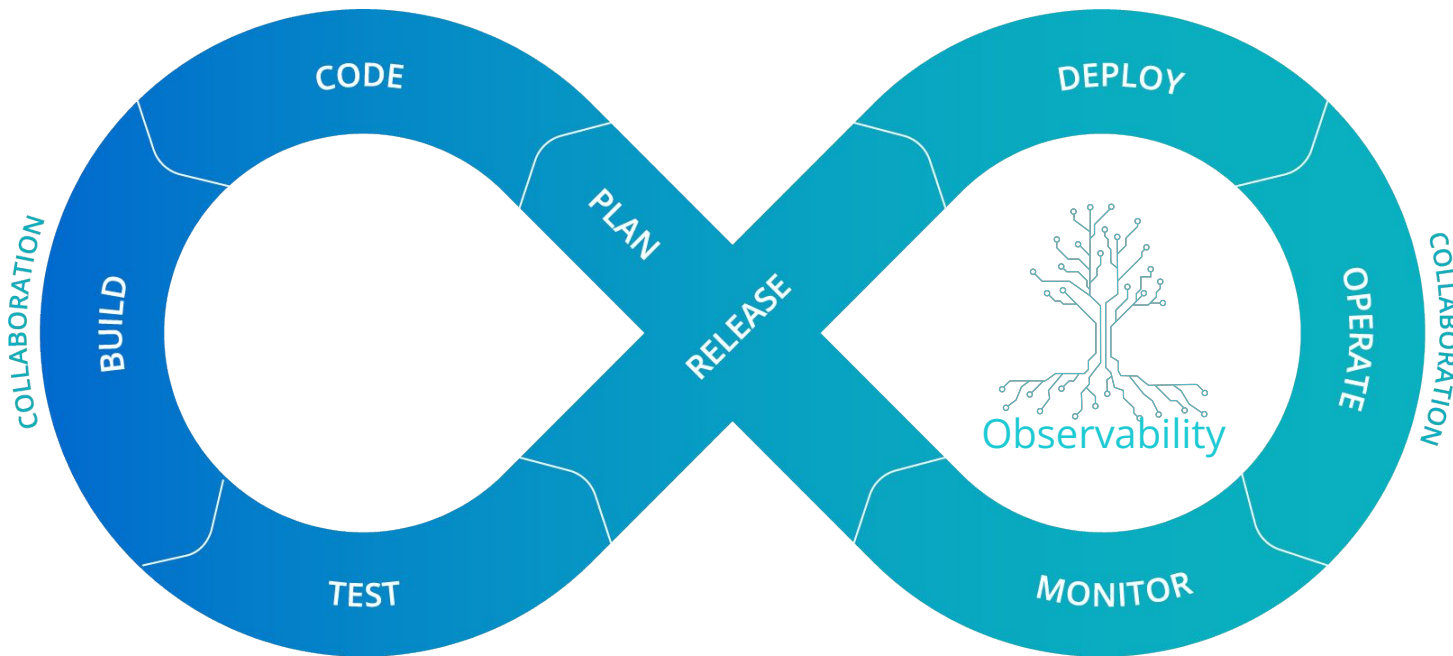


開発



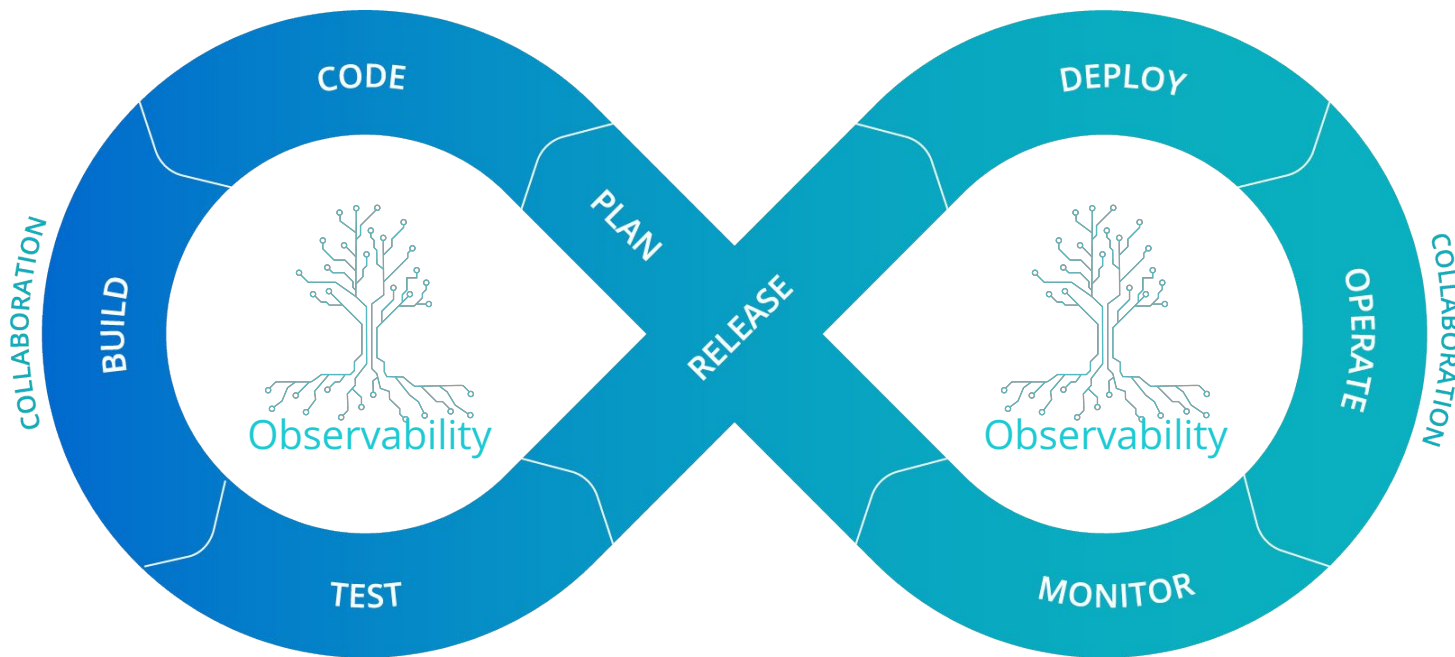
運用/SRE

開発者とSREのコラボレーション



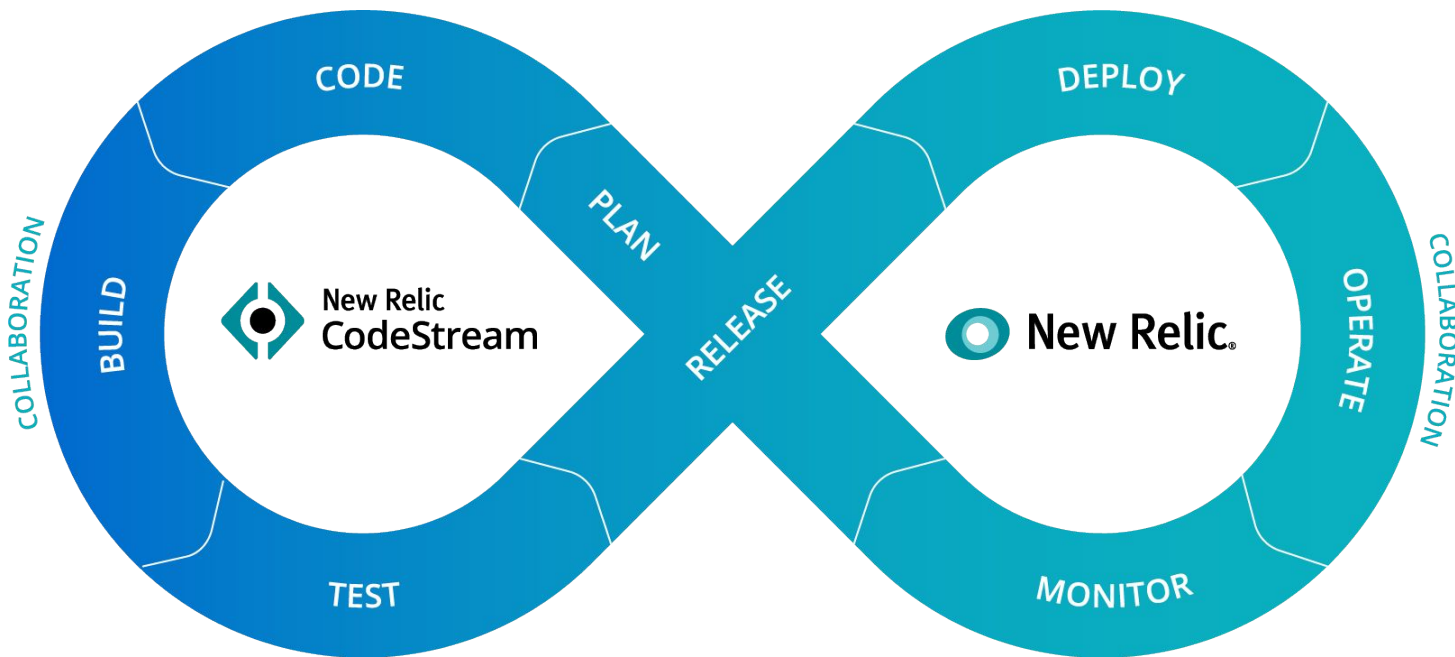
開発 運用/SRE

フルサイクルにオブザーバビリティを！



開発 運用/SRE

フルサイクルにNew Relic活用



開発 運用/SRE

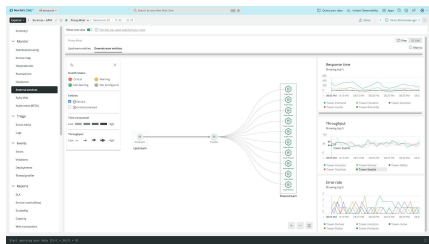
New Relic 新機能アップデート

お気に入りの新機能を "ひとつ"見つけてね！

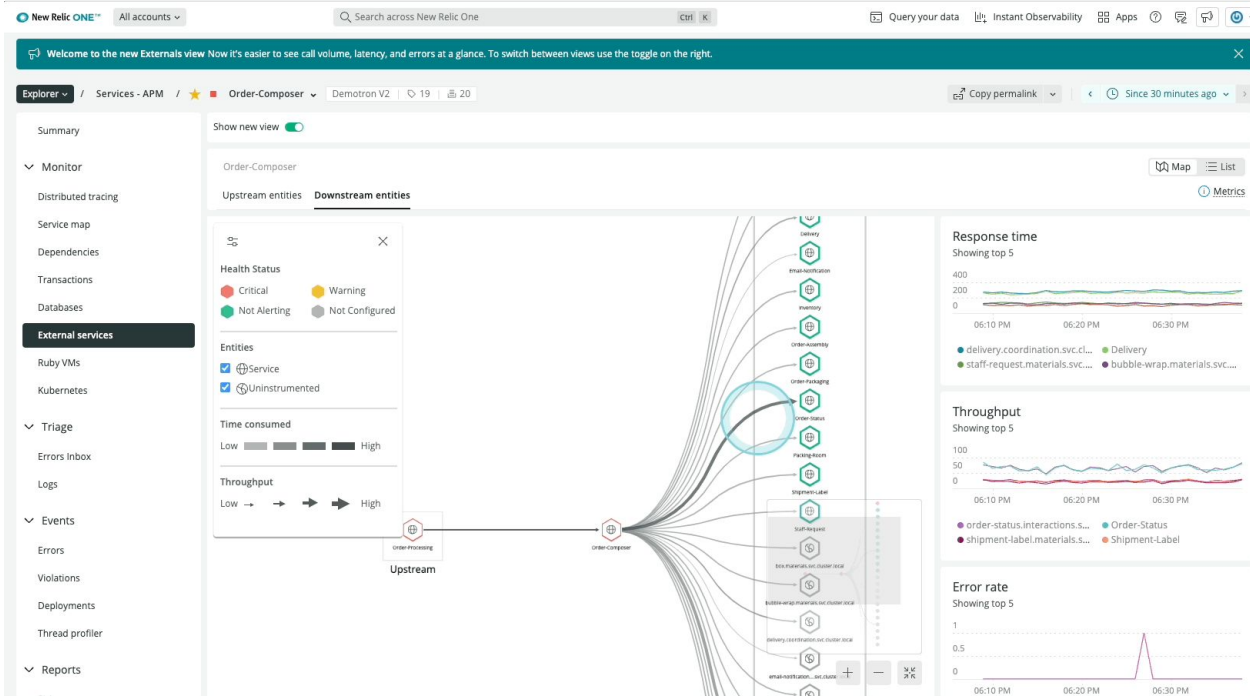
- a. APM (New **External Services**, **Errors Inbox** in APM, **Logs** in APM, **k8s** in APM)
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APM

New External Services in APM



- 外部APIを視覚的に分析
- ドリルダウンで多く遅いAPIにたどり着ける
- 直近の変化をチェック



k8s in APM

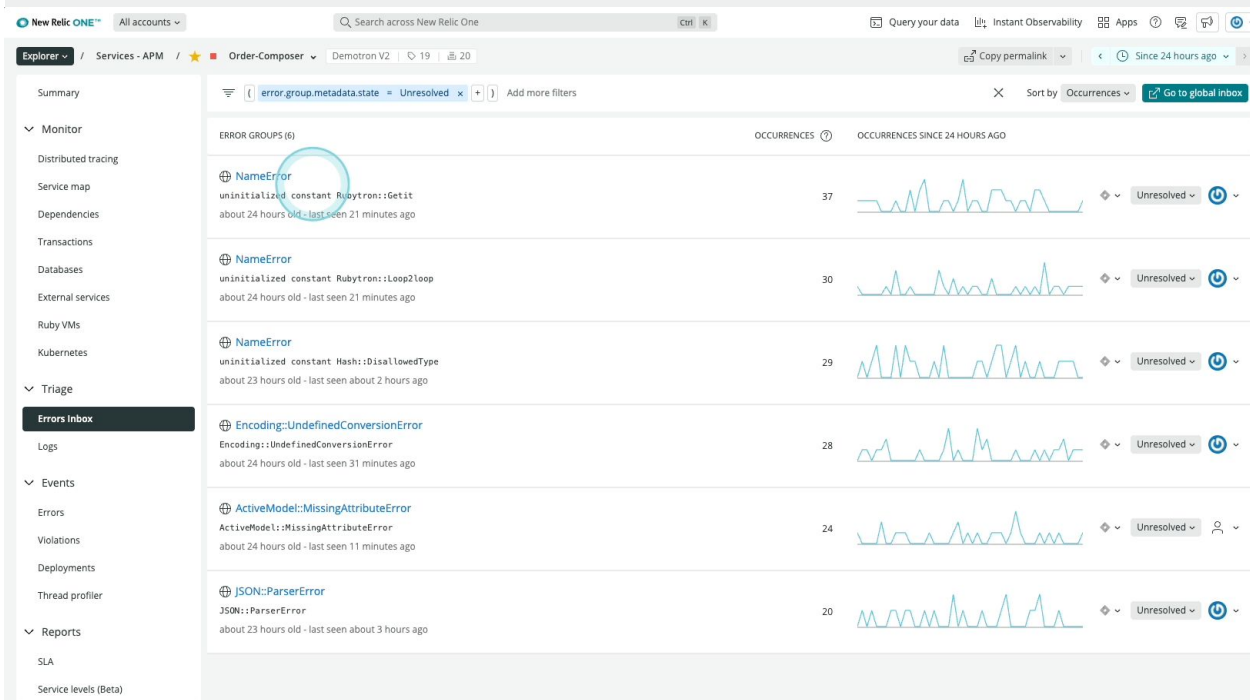
- APM内k8s Podリソース表示
- アプリからコンテナ分析可

The screenshot displays the New Relic ONE APM interface. The top navigation bar includes the account name '1606862 - Demotron V2', a search bar, and various tool icons. The left sidebar contains a navigation menu with categories like 'Favorite entities (22)', 'Last viewed (14)', 'All entities (1,148)', 'Data gaps', 'Saved views', 'Your system', 'Synthetics', and 'Kubernetes'. The main content area is divided into three sections: 'Services - APM', 'Services - OpenTelemetry', and 'Hosts'. The 'Hosts' section is currently selected, showing a table of Kubernetes pods. The table columns include Name, Account, Agent ver..., CPU utiliz..., Memory u..., Disk used..., and Network t... The pods listed are 'host-proxy-east-2' and 'host-tower-houston'. The right sidebar shows an 'Activity stream' with various alerts and warnings, such as 'Anomaly ended', 'Warning-violation closed', 'Warning violation opened', 'Anomaly detected', and 'Anomaly ended'.

Name	Account	Agent ver...	CPU utiliz...	Memory u...	Disk used ...	Network t...
host-proxy-east-2	Demotron V2	1.8.32	24.6 %	47.07 %	-	24.7 kB/s
host-tower-houston	Demotron V2	1.8.32	97.17 %	36.21 %	-	23.4 kB/s

Errors Inbox in APM

- APM内Errors Inbox
- APMから容易に
CodeStream Integration



Logs in APM

- アプリに紐づくログが自動紐表示
- APM内でエラーログ分析

The screenshot displays the New Relic ONE APM interface for account 1606862 - Demotron V2. The left sidebar shows a navigation menu with categories like 'Favorite entities (22)', 'Your system', 'Synthetics', and 'Kubernetes'. The main content area is divided into two sections: 'Services - APM' and 'Services - OpenTelemetry'. Both sections contain tables of service metrics.

Services - APM Table:

Name	Account	End user	Page views	Response time	Throughput	Error rate
Order-Composer	Demotron V2	-	-	1254.115 ms	24 req/min	1.39 %
Order-Processing	Demotron V2	-	-	1118.148 ms	30 req/min	0 %
Plan Service	Demotron V2	-	-	482.536 ms	68.7 req/min	0 %
Fulfillment Service	Demotron V2	-	-	246.891 ms	4.67 req/min	28.57 %
WebPortal	Demotron V2	1228.11 ms	4.91 page/s	73.348 ms	84 kreq/min	0.36 %

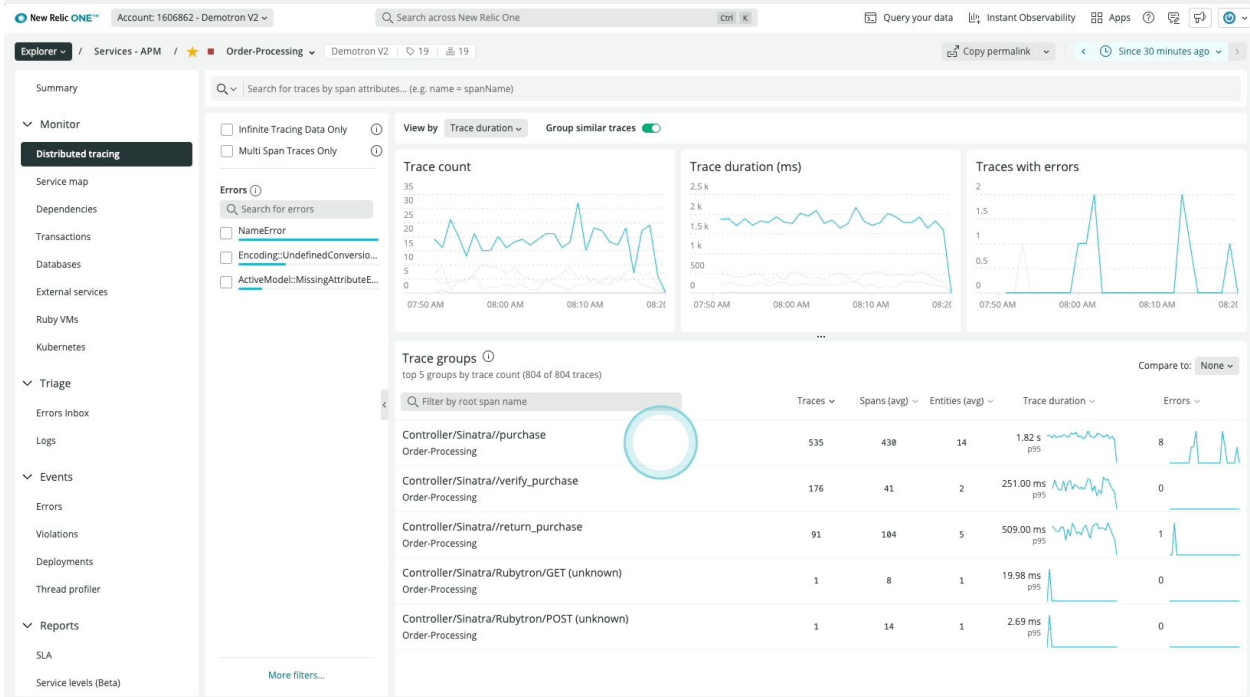
Services - OpenTelemetry Table:

Name	Account	Provider	Response time	Throughput	Error rate
carts	Demotron V2	pixie	3.78 ms	876 req/min	0 %
catalogue	Demotron V2	pixie	-	-	-
checkoutservice	Demotron V2	pixie	-	-	-
front-end	Demotron V2	pixie	6.428 ms	1.92 kreq/min	1.22 %
orders	Demotron V2	pixie	-	-	-
payment	Demotron V2	pixie	-	-	-
user	Demotron V2	pixie	-	-	-

The right sidebar shows an 'Activity stream' with various alerts and warnings, including 'Warning violation opened', 'Anomaly ended', 'Warning violation closed', and 'Critical violation closed', each with details about the affected service and the nature of the issue.

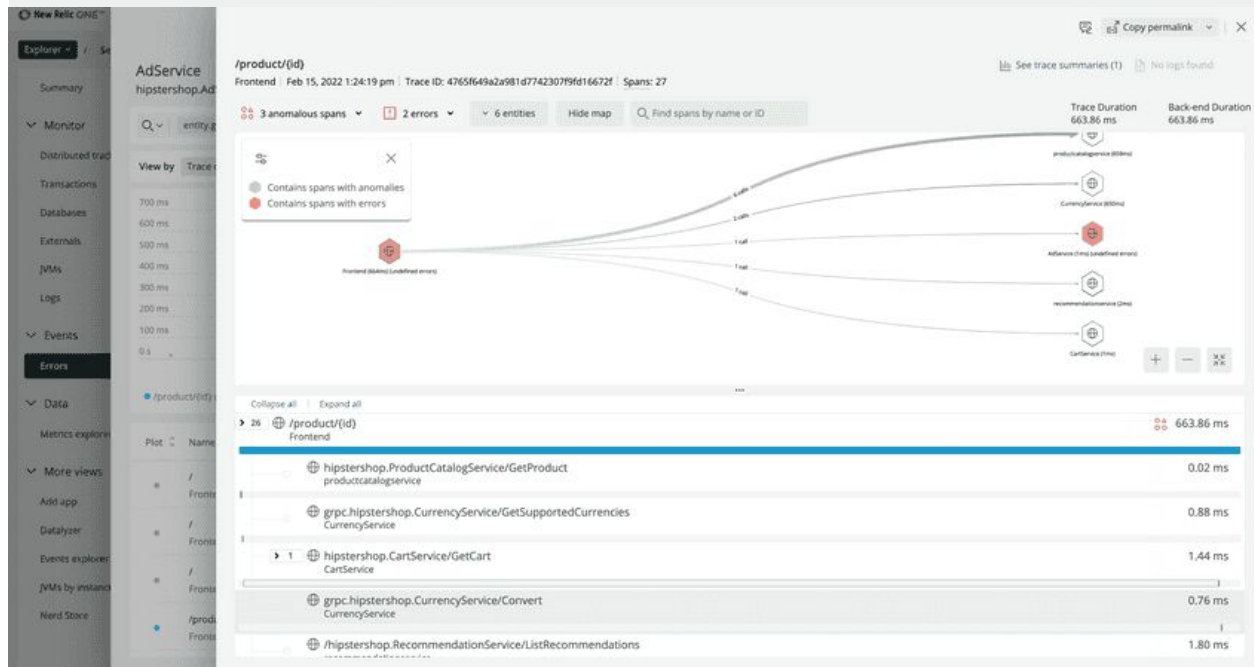
Tracing Rate Limit廃止

- 瞬間的に多くのTraingが送られても上限なく送信可能に



native OTLP endpoint 機能拡充

- HTTP/1.1のOTLPサポート
- gRPCのInfinite Tracing
- OpenTelemetryデータを視覚化および分析するための強化されたUI



その他FSO (Full-Stack Observability)

Service Level Management (Beta)

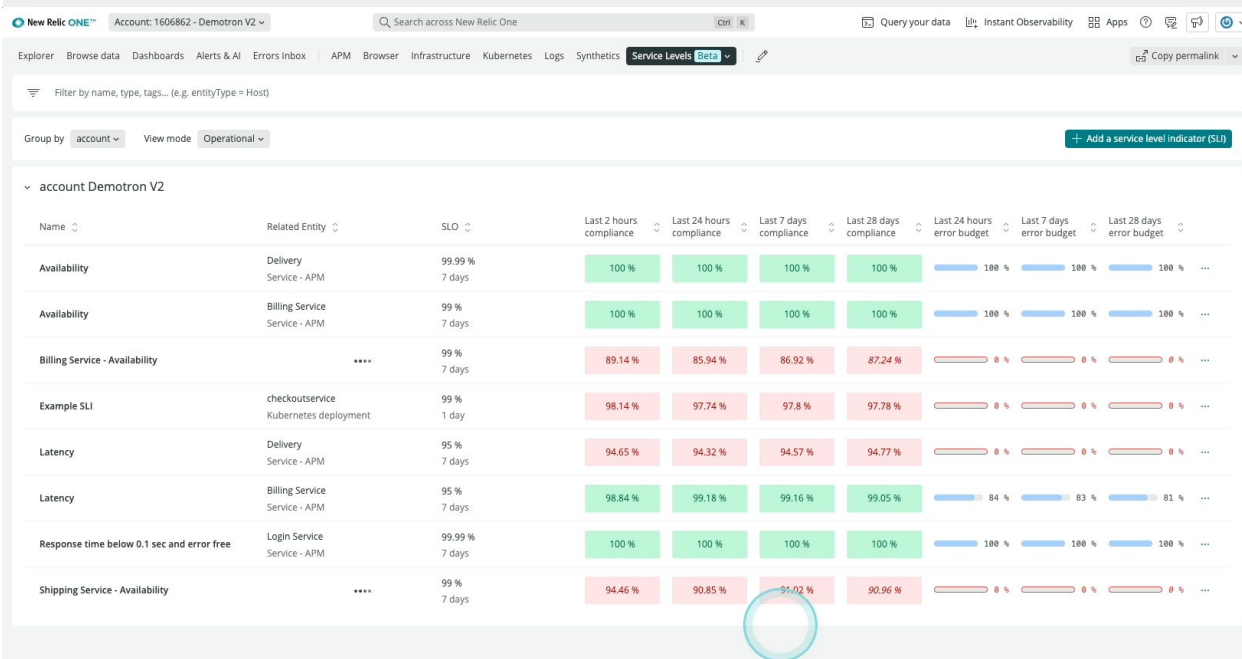
さらに便利に！

- SLI/SLO/Error Budgets

を簡単に設定可

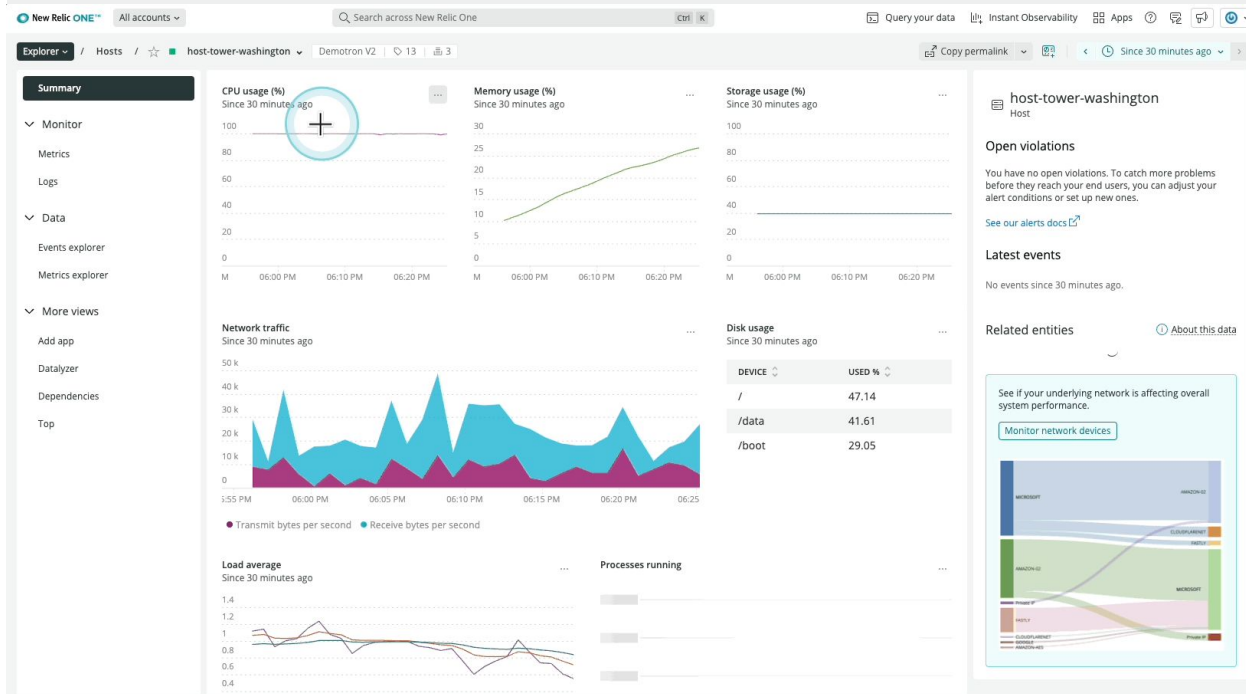
- 細かく”特定ページ応答時間

SLO”など設定可能



Infrastructure V2 リリース！

- リソース指定Host絞込
- インフラからアプリまでシームレスに分析



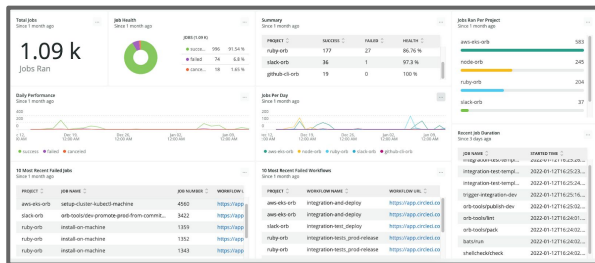
I/O

ぞくぞくと I/O連携 増えています！

- CircleCI
- netlify
- ReleaseIQ
- muleESB
- databricks
- Jira Software
- SPEEDSCALE
- DELPHIX

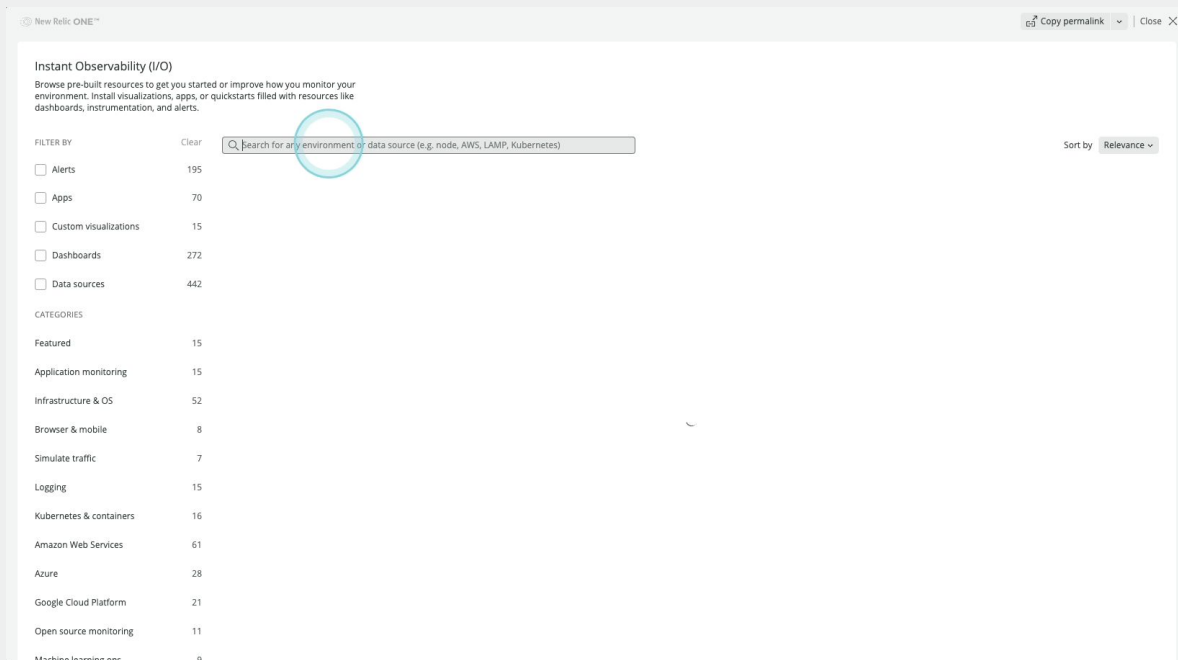


CircleCI連携



- Total Jobs Ran
- Job Health (% success)
- Projects Summary
- Most Recent Failed Jobs
- Jobs Ran Per Project

CIの状況がわかるように！



BASE BANK様 Circle CI連携



Search for any attribute or value.



Total Jobs
Since 1 month ago

68
Jobs Ran

Job Health
Since 1 month ago



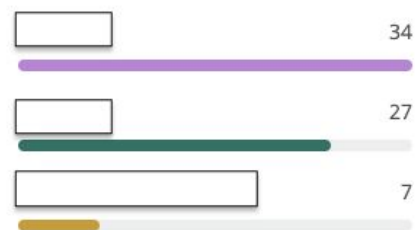
JOBS (68)

● 67 98.53 %
● 1 1.47 %

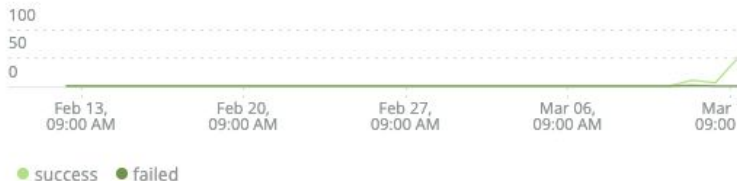
Summary
Since 1 month ago

PROJECT	SUCCESS	FAILED	HEALTH
	33	1	97.06 %
	27	0	100 %
	7	0	100 %

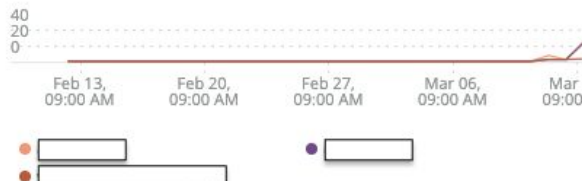
Jobs Ran Per Project
Since 1 month ago



Daily Performance
Since 1 month ago



Jobs Per Day
Since 1 month ago



10 Most Recent Failed Jobs
Since 1 month ago

PROJECT	JOB NAME	JOB NUMBER	WORKFLOW URL
	test-app	3182	https://app.circleci.com/pipeline

10 Most Recent Failed Workflows
Since 1 month ago

PROJECT	WORKFLOW NAME	WORKFLOW URL
	test	https://app.circleci.com...

Recent Job Duration
Since 3 days ago

JOB NAME	STARTED TIME
record-deploy...	2022-03-14T06:...
deploy-prd	2022-03-14T06:...
slack/approval-...	2022-03-14T05:...
run-acceptance...	2022-03-14T05:...
run-acceptance...	2022-03-14T05:...

GCP, AzureのNative Log連携



Microsoft Azure
Blob Storage

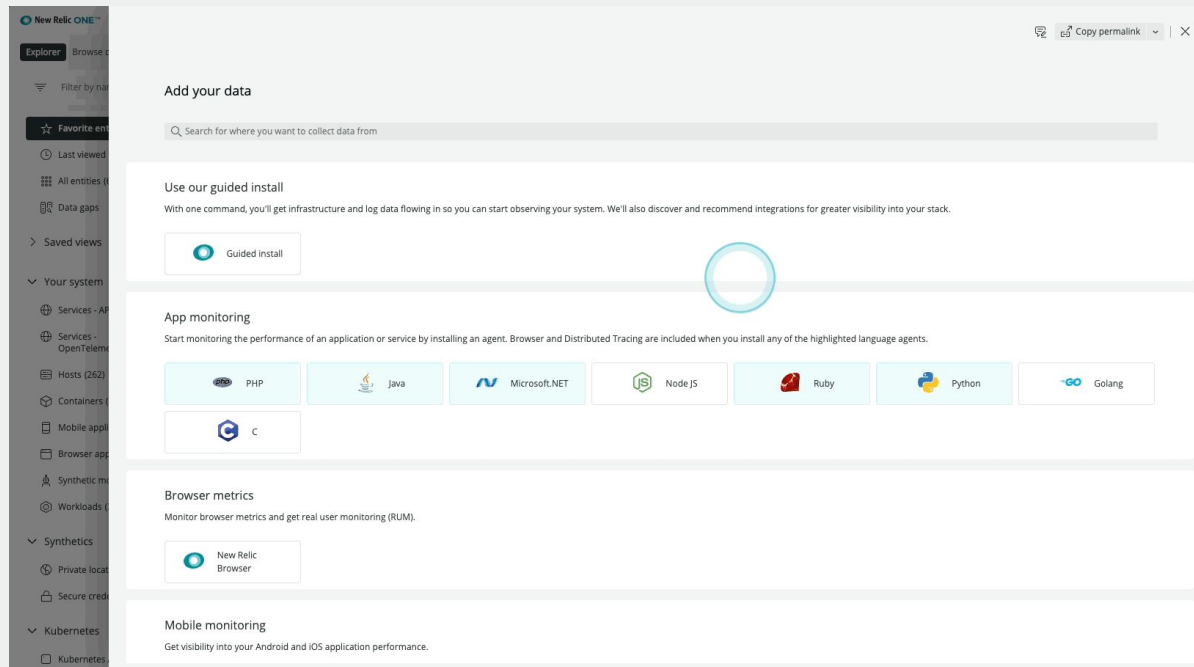


Microsoft Azure
Event Hub



Google Cloud
Platform

- **Azureの場合**
 - a. Blob Storage
 - b. Event Hub
- **GCPの場合**
 - a. pub/sub統合



Other

Invite a teammate

- 簡単にメール招待可能
- 管理者に通知

The screenshot displays the New Relic ONE dashboard for account 1606862 - Demotron V2. The interface includes a top navigation bar with search and navigation options, a left sidebar with a navigation menu, and a main content area with two tables and an activity stream.

Navigation Menu (Left Sidebar):

- Favorite entities (22)
 - Last viewed (15)
 - All entities (1,148)
 - Data gaps
- Saved views [View all](#)
- Your system
 - Services - APM (47)
 - Services - OpenTelemetry (52)
 - Hosts (76)
 - Containers (258)
 - Mobile applications (4)
 - Browser applications (10)
 - Synthetic monitors (20)
 - Workloads (104)
- Synthetics
 - Private locations (4)
 - Secure credentials (6)
- Kubernetes
 - Kubernetes API servers (2)

Services - APM Table:

Name	Account	End user	Page views	Response time	Throughput	Error rate
★ Order-Composer	Demotron V2	-	-	1211.363 ms	23.7 req/min	0 %
★ Order-Processing	Demotron V2	-	-	1061.596 ms	29.7 req/min	0 %
★ Plan Service	Demotron V2	-	-	517.848 ms	70.3 req/min	0.47 %
■ Fulfillment Service	Demotron V2	-	-	176.855 ms	2.67 req/min	0 %
★ WebPortal	Demotron V2	1344.765 ms	4.78 page/s	83.091 ms	~83 kreq/min	0.4 %

Services - OpenTelemetry Table:

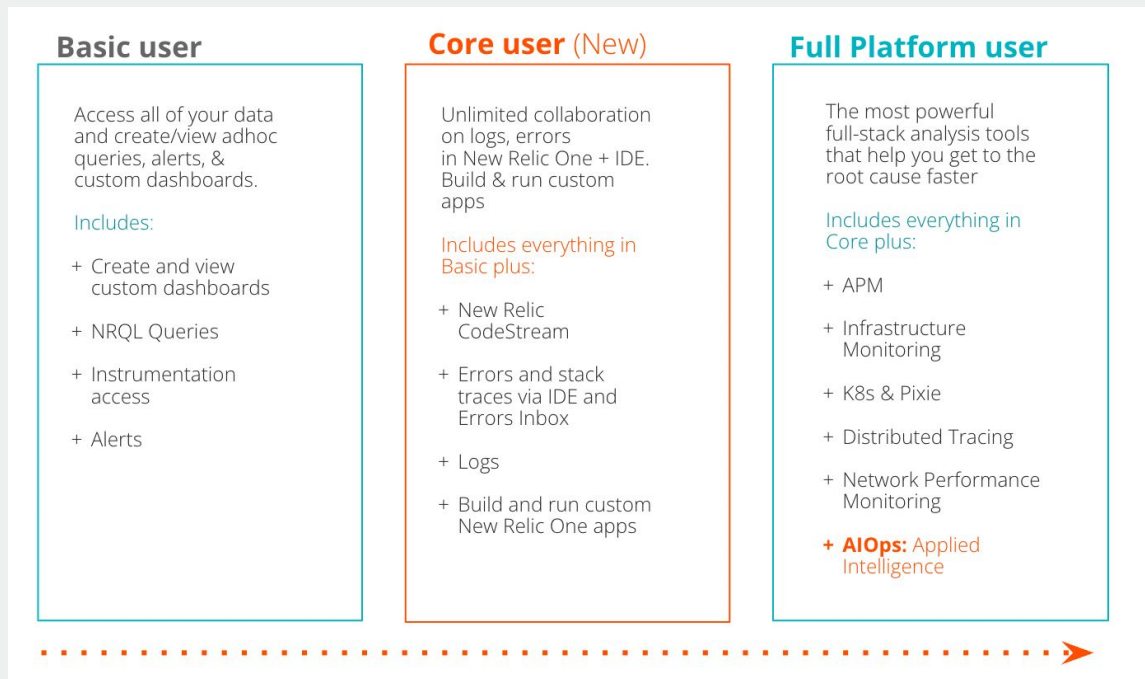
Name	Account	Provider	Response time	Throughput	Error rate
★ carts	Demotron V2	pixie	3.778 ms	870 req/min	0 %
★ catalogue	Demotron V2	pixie	-	-	-
★ checkoutservice	Demotron V2	pixie	-	-	-
★ front-end	Demotron V2	pixie	6.42 ms	1.91 kreq/min	1.23 %
★ orders	Demotron V2	pixie	-	-	-
★ payment	Demotron V2	pixie	-	-	-
★ user	Demotron V2	pixie	-	-	-

Activity Stream:

- Warning violation opened** 6:12 pm
Plan Service
Web response time > 500 milliseconds for at least 5 minutes on 'Plan Service'
Count: 1
- Anomaly ended** 4:39 pm
Fulfillment Service
Errors has returned to normal
Count: 1
- Warning violation closed** 4:39 pm
Plan Service
Web response time > 500 milliseconds for at least 5 minutes on 'Plan Service'
Count: 1
- Warning violation closed** 4:31 pm
Fulfillment Service
Error percentage > 25% for at least 5 minutes on 'Fulfillment Service'
Count: 1
- Critical violation closed** 4:30 pm
Fulfillment Service
Error percentage > 45% for at least 5 minutes on 'Fulfillment Service'
Count: 1
- Anomaly detected** 4:28 pm
Fulfillment Service

Core User リリース！

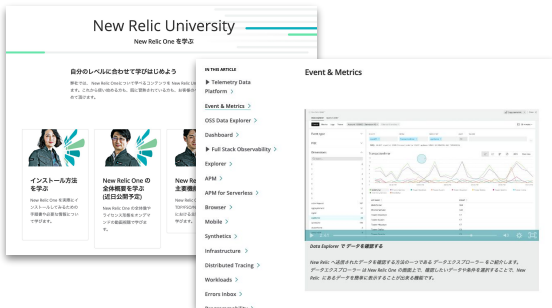
- **Basic User + α の機能**
- **安価な有償ユーザー**
- **Admin 権限可能**



New Relic University(NRU)

日本語ページ開設

<https://newrelic.com/jp/learn>



- 基本から応用まで学べる
- セルフラーニングコンテンツ
- すべて日本語

 **New Relic.** [プラットフォーム](#) [価格設定](#) [ソリューション](#) [ドキュメント](#) [ヘルプセンター](#) [ログイン](#) [サインアップ](#)

New Relic University

New Relic One を学ぶ

自分のレベルに合わせて学びはじめよう

弊社では、New Relic Oneについて学べるコンテンツを New Relic University として無償で公開しています。これから使い始める方も、既に習熟されている方も、お客様のペースで、お好きなところから始めて頂けます。



**インストール方法
を学ぶ**

New Relic One を実際にインストールしてみるための



**New Relic One の
全体概要を学ぶ
(近日公開予定)**

New Relic One の全体像や



**New Relic One の
主要機能を学ぶ**

New Relic One に含まれる TDP/FSO/NAI の3レイヤー



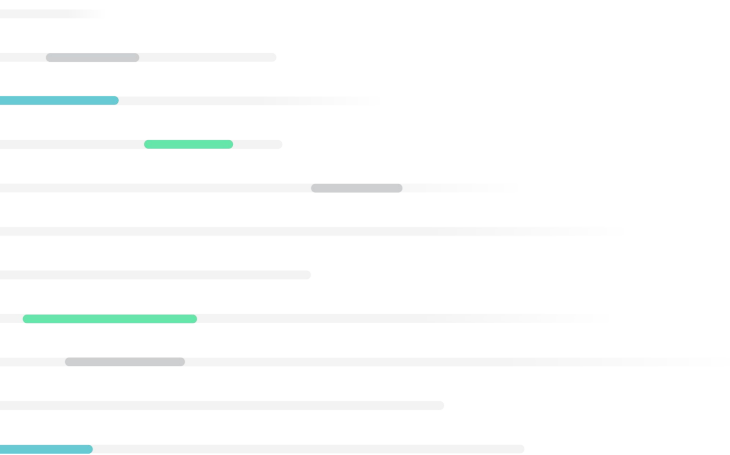
**New Relic One の
実践方法を学ぶ**

New Relic のエンジニアが提供するハンズオントレーニング

まとめ

1. フルサイクルに貢献するエンジニアになるために
2. New Relic新機能アップデート
 - a. FSO
 - i. APM (New **External Services**, **Errors Inbox** in APM, **Logs** in APM, **k8s** in APM)
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お気に入りのひとつ
試してみよう！

A series of horizontal bars of varying lengths and colors (blue, green, grey) on the left side of the slide.

Thank You