



# New Relic 新機能アップデート

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New Relic K.K.  
2022/06/15



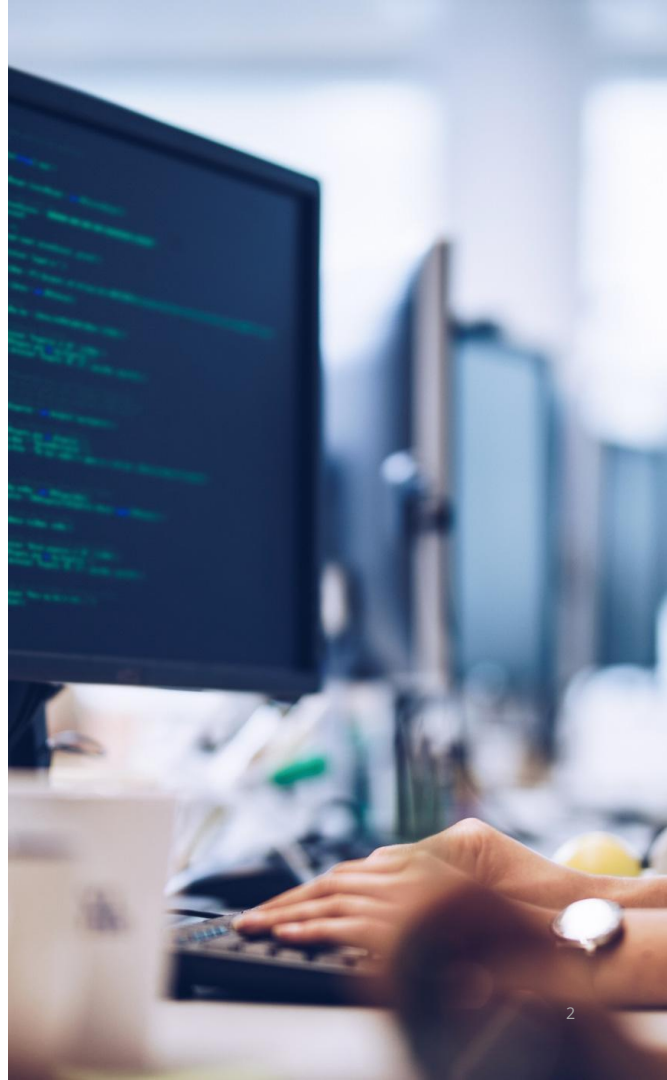
# 対象者とゴール

## 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
- **初心者の方！**

## 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. 新生New Relicが目指すところ
  - a. FutureStack 2022
  - b. New Concept
  - c. New Logo
  - d. Vulnerability Management
  - e. Azure Partnership
2. 新機能アップデート
  - a. Platform
  - b. Logs
  - c. Backend
  - d. Frontend
  - e. Dev
3. まとめ



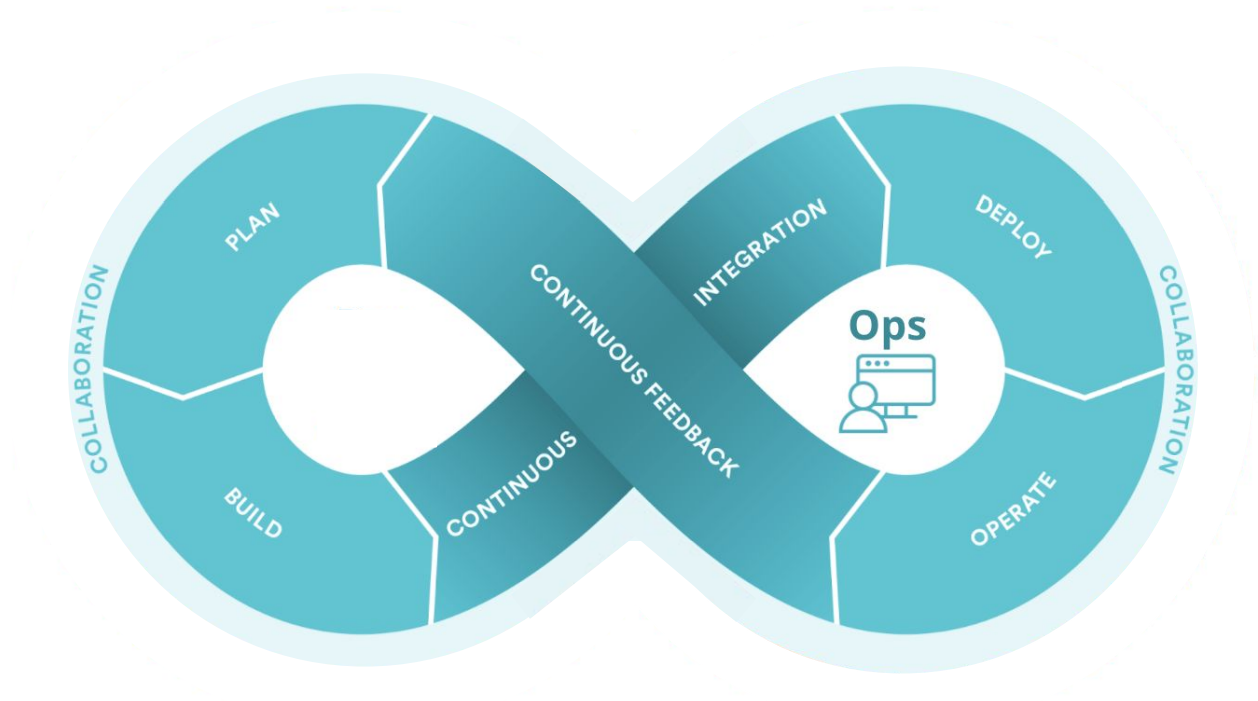
# 新生 New Relic が めざすところ

# FutureStack 2022

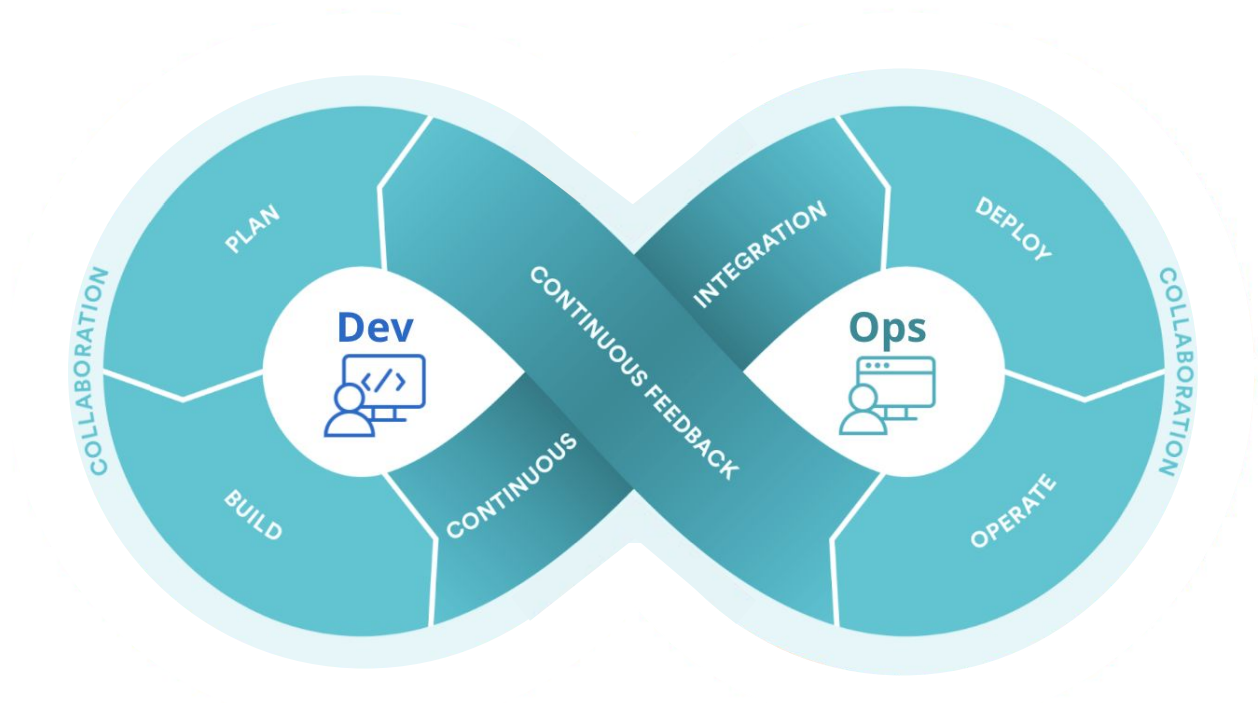
- 2022/5/17-19
- The Cosmopolitan of Las Vegasで開催
- 多数のセッション
- 30を超える新機能
- JPエンジニアも参画
- New Concept発表
- リブランド発表



# Ops (2020) - New Relic One - ライセンスモデル変更

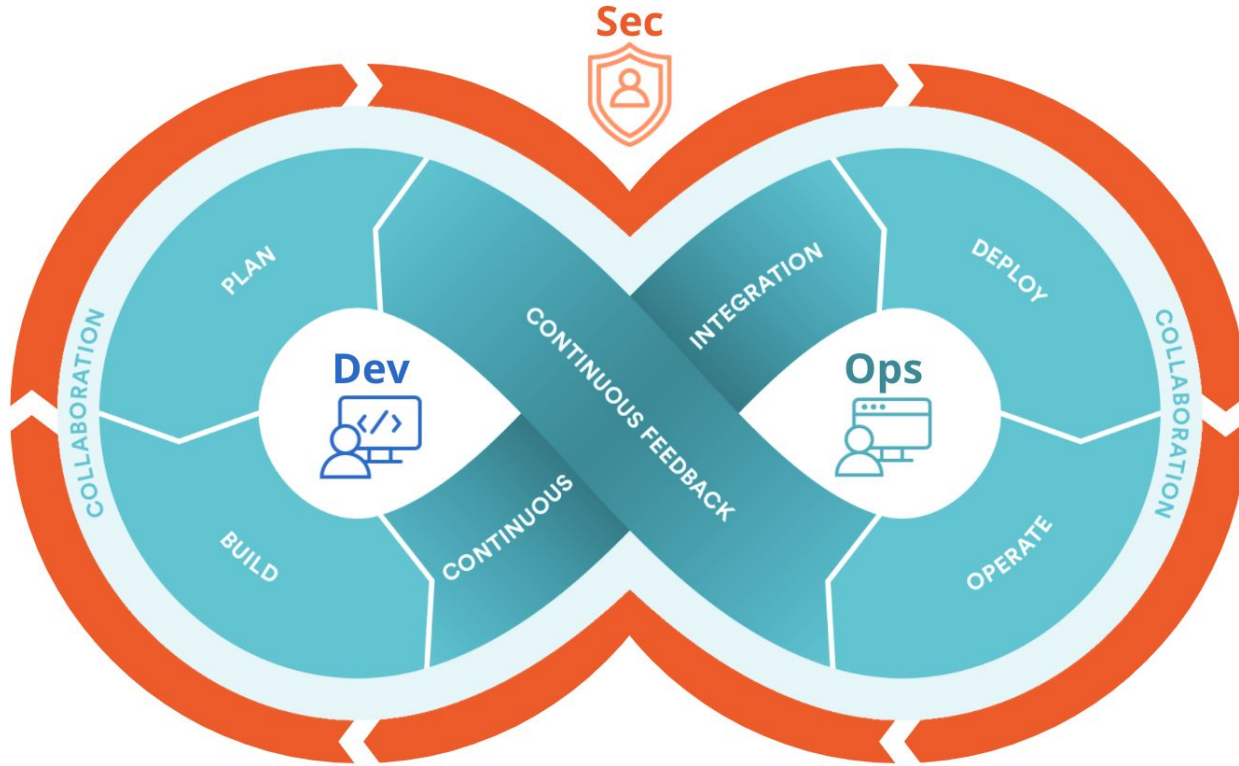


# DevOps (2021) - New Relic CodeStream他





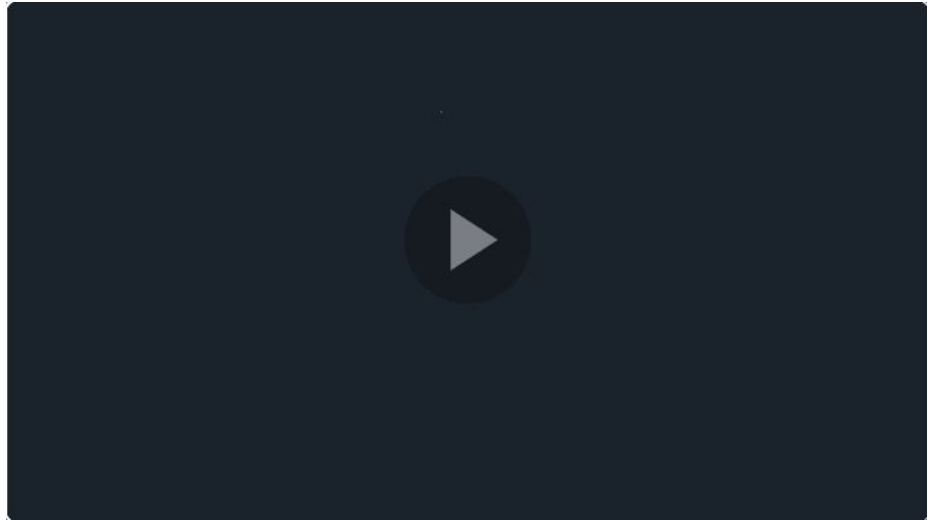
# DevSecOps (2022) - Vulnerability Management他





# Data for Engineers

**Focusing on  
engineers and  
their success**



[Our New Brand Announcement | New Relic | New Relic](#)

# New Logo

ロゴは小文字

表記はNew Relic

 New Relic

 NewRelic

 Newrelic

 newrelic

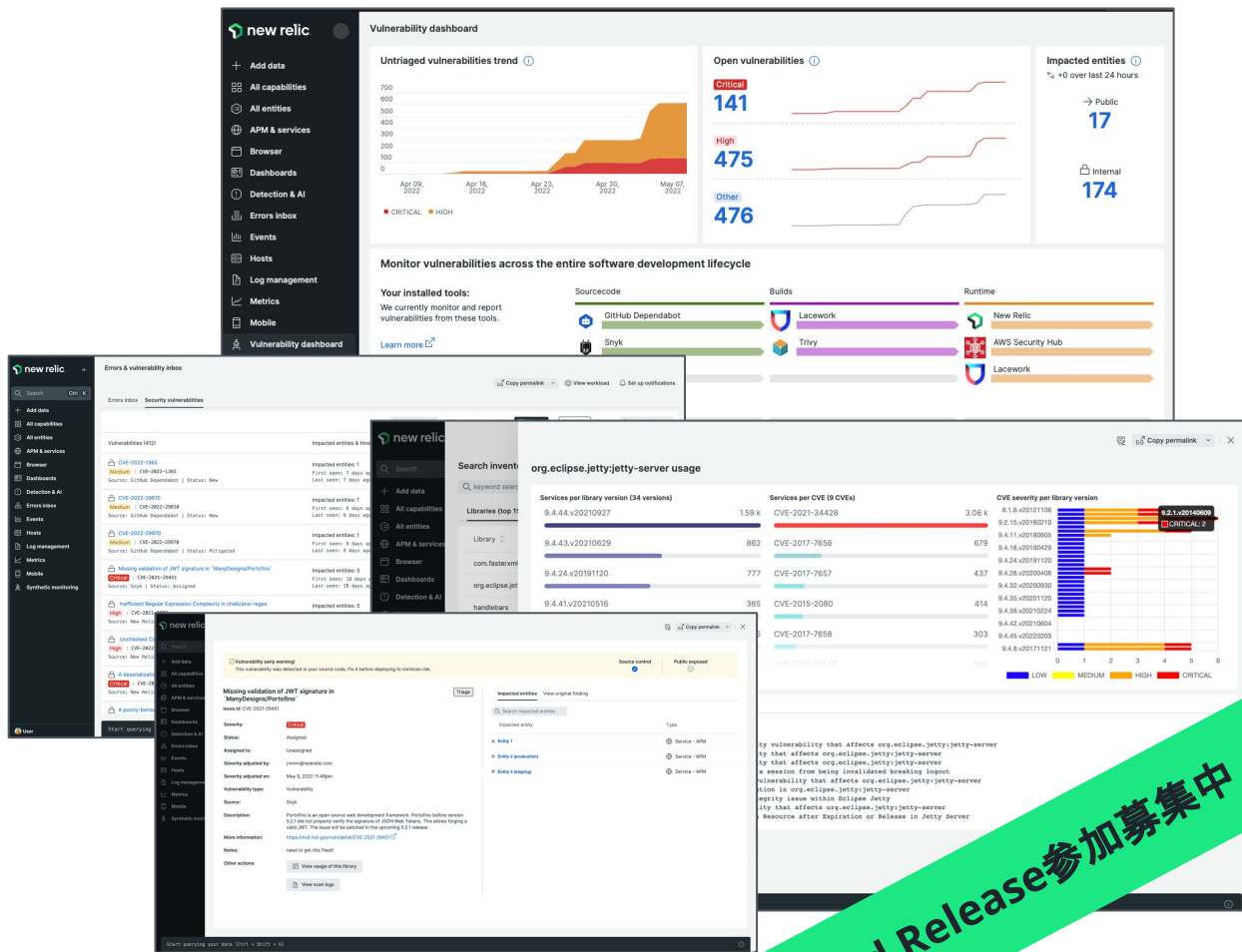
 new relic

<https://newrelic.com/about/media-assets>



# Vulnerability Management

- セキュリティソリューションデータと監視対象(entity)と関連づけ
- 脆弱性情報対応優先づけ
- 様々なエンジニアにセキュリティ情報一元化
- Data Plus 契約



Limited Release参加募集中

# Partnership with Microsoft Azure

- 複数年の戦略的提携
- Azure Portal との統合し、エージェントインストールが簡単に
- Azure とのより密な連携で今まで以上に迅速なデータ収集を可能に

Azure Monitor Metricsが選択可能に

New Relic ONE™ Account: 10876283 - Beyond - Metrics stream

Infrastructure Infrastructure

Hosts Inventory Events AWS Azure GCP Third-party services Settings Kubernetes

### Edit Azure Account

azure-dev-all-metrics account

Provider account: 44828  
Azure Application ID: 6059b584-9198-4827-8376-8f478adb011b

Select Azure services to monitor

Select all

Azure Monitor metrics

App Gateway

Api Management

App Service

Cosmos DB

Data Factory

Home > Virtual machines >

## Create a virtual machine

Basics Disks Networking Management **Advanced** Tags Review + create

Add additional configuration, agents, scripts or applications via virtual machine extensions or cloud-init.

### Extensions

Extensions provide post-deployment configuration and automation.

Extensions
New Relic Infrastructure Select an extension to install

VM applications (preview)

VM applications contain application files that are securely and reliably downloaded on your VM after deployment. In addition to the application files, an install and uninstall script are included in the application. You can easily add or remove applications on your VM after create. [Learn more](#)

Select a VM application to install

Custom data and cloud init

Pass a cloud-init script, configuration file, or other data into the virtual machine while it is being provisioned. The data will be

Azure Portal上で作成時にインストール選択可能に

# New Relic ”ピックアップ” 新機能アップデート





# Platform

# TDP - Data Plus

- 料金: 55円/GB
- 90日程度の一部保存期間延長 (APM/Browser/Serverless/Log sなど)
- Logs難読化 (ハッシュ化・マスク)
- Vulnerability Management

	original data option	Data Plus
Price per GB	\$0.30/GB	\$0.50/GB* <small>*Promotional price starting June 1</small>
Free limits	100/GB per month	100/GB per month
Default data retention	30 days for logs/custom events 8 days for most Full-Stack Observability events 395 days for synthetics, infra integrations, and metrics \$0.05/GB per month for each additional month of retention	<b>Up to 90 days included</b> (Data types with longer default retention limits will retain the longer timeframe) \$0.05/GB per month for each additional month of retention
FedRAMP	✗	✓ (Requires Enterprise edition)
HIPAA	✗	✓ (Requires Enterprise edition)
Max query limits	Inspected count limit: 300B data points per 30 min Max burst speed: 10B data points per 1 minute	Inspected count limit: <b>1T data points per 30 min</b> Max burst speed: <b>100B data points per 1 minute</b>
Max query duration	✗ 60-second maximum	✓ 2-minute maximum
Logs obfuscation	✗	✓
Cloud provider choice	✗	✓ (Coming December 2022)
Streaming data export	✗	✓ (Coming September 2022)
Historical data export	✗	✓ (Coming September 2022)
New capabilities (Soon to be announced)	✗	✓



# Service Level Management (GA)

- SLI/SLO/Error Budgets

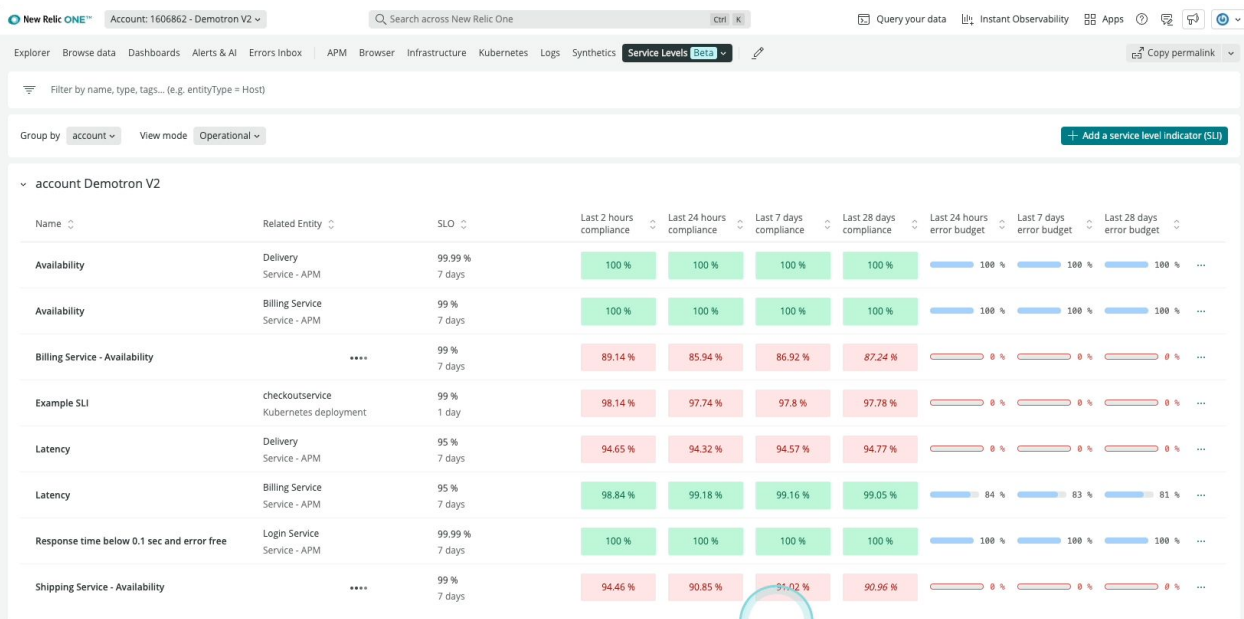
を簡単に設定可

- 細かく“特定ページ応答時間

SLO”なども設定可能

- GA ! (詳細は[SRE支部基調](#)

[講演](#)参照)

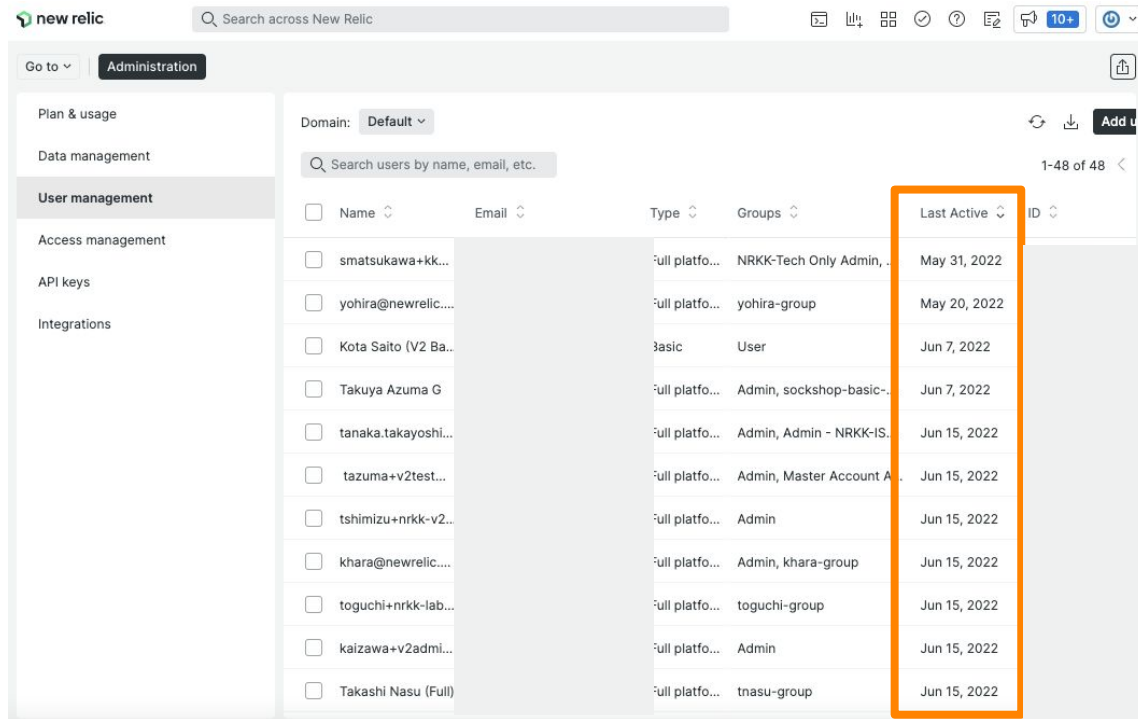


<https://newrelic.com/blog/nerdlog/service-level-management>

[https://newrelic.com/jp/resources/presentations/nrug\\_sre\\_vol1](https://newrelic.com/jp/resources/presentations/nrug_sre_vol1)

# User Last Active

- New Relic 管理者向け
- ユーザーの利用状況が一目で分かるように



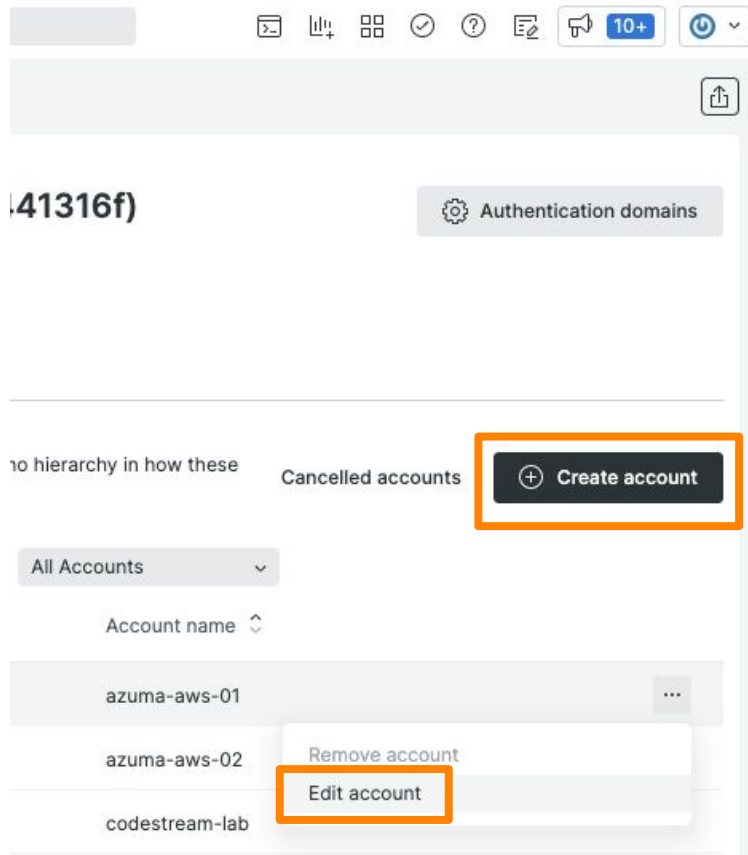
The screenshot shows the New Relic Administration interface. On the left is a navigation menu with categories like 'Plan & usage', 'Data management', 'User management', 'Access management', 'API keys', and 'Integrations'. The 'User management' section is active. The main area displays a table of users under the 'Default' domain. A search bar is present above the table. The 'Last Active' column is highlighted with an orange box. The table contains the following data:

Name	Email	Type	Groups	Last Active	ID
<input type="checkbox"/> smatsukawa+kk...		Full platfo...	NRKK-Tech Only Admin, ...	May 31, 2022	
<input type="checkbox"/> yohira@newrelic...		Full platfo...	yohira-group	May 20, 2022	
<input type="checkbox"/> Kota Saito (V2 Ba...		basic	User	Jun 7, 2022	
<input type="checkbox"/> Takuya Azuma G		Full platfo...	Admin, sockshop-basic...	Jun 7, 2022	
<input type="checkbox"/> tanaka.takayoshi...		Full platfo...	Admin, Admin - NRKK-IS...	Jun 15, 2022	
<input type="checkbox"/> tazuma+v2test...		Full platfo...	Admin, Master Account A...	Jun 15, 2022	
<input type="checkbox"/> tshimizu+nrkk-v2...		Full platfo...	Admin	Jun 15, 2022	
<input type="checkbox"/> khara@newrelic....		Full platfo...	Admin, khara-group	Jun 15, 2022	
<input type="checkbox"/> toguchi+nrkk-lab...		Full platfo...	toguchi-group	Jun 15, 2022	
<input type="checkbox"/> kaizawa+v2admi...		Full platfo...	Admin	Jun 15, 2022	
<input type="checkbox"/> Takashi Nasu (Full)		Full platfo...	tnasu-group	Jun 15, 2022	

<https://docs.newrelic.com/docs/accounts/accounts-billing/new-relic-on-e-user-management/introduction-managing-users>

# Add/Update Account

- UIからNew Relicアカウントの作成と名称変更可能に
- 削除はできないので慎重に作業をお願いします！

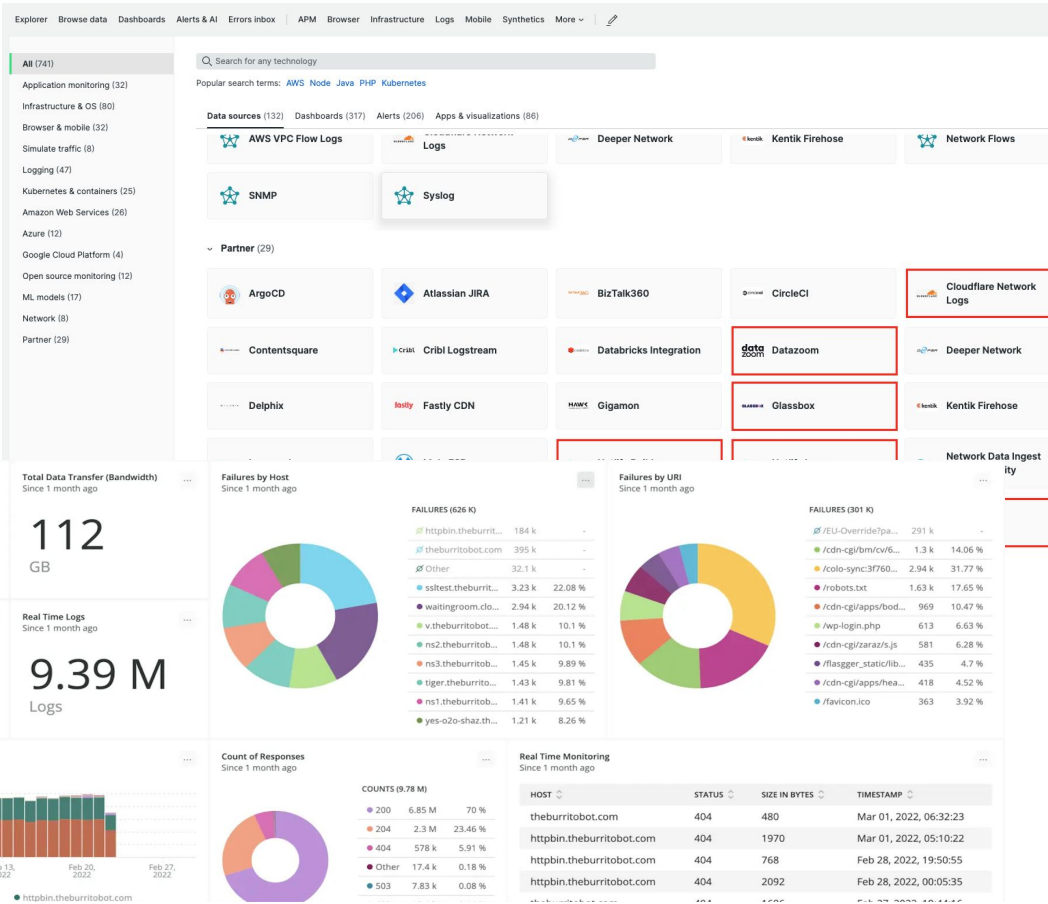
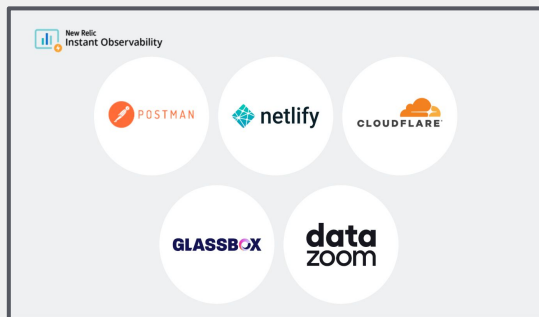


<https://docs.newrelic.com/docs/accounts/accounts-billing/account-structure/add-accounts>

# New Relic I/O

(CloudFlare、Netlify、Postman、Datazoom、Glassbox)

- dashboardは2倍の316に
- 新しく5つのパートナーが発表されました！
- わずか数分でベンダーのデータを可視化！



<https://docs.newrelic.com/whats-new/2022/04/whats-new-04-28-april-io-round-up>



# Logs



# APM Agent - Automatic Logs in Context

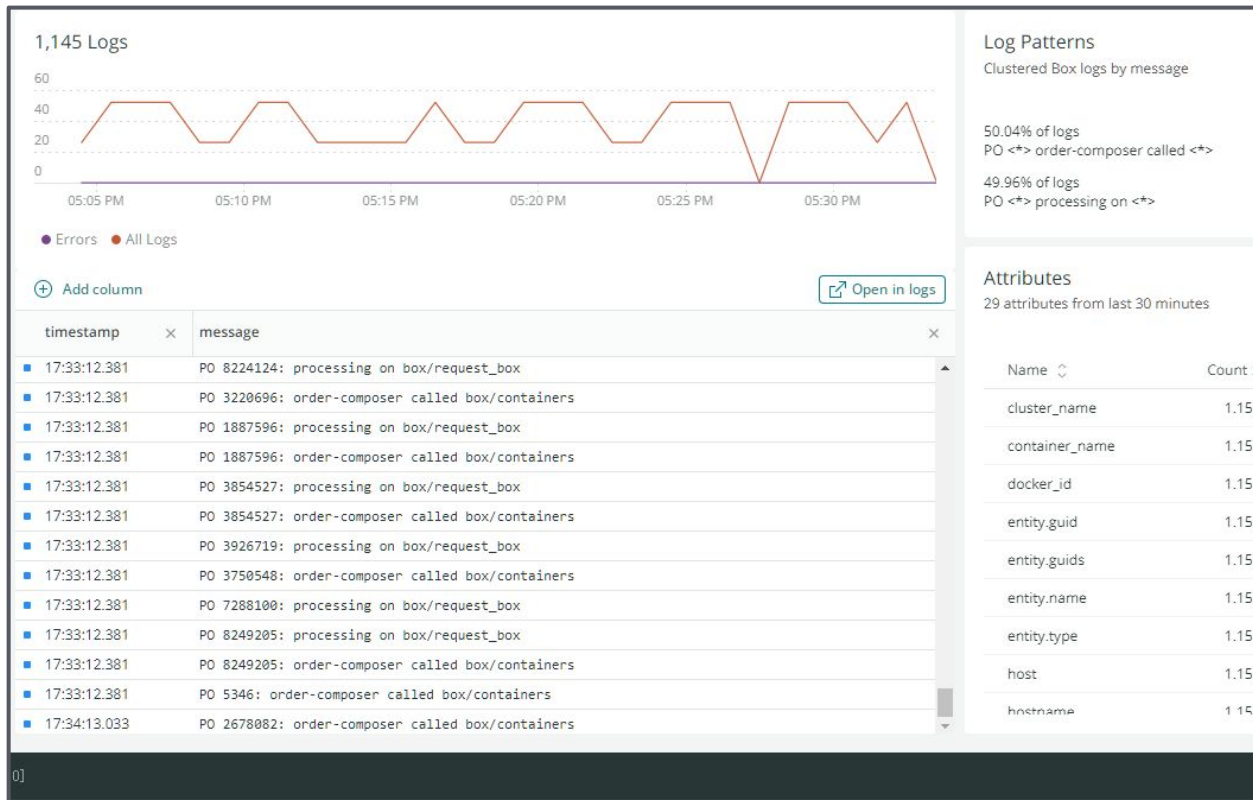
- **Java , .NET , Ruby , Node.js , Python Agent対応**
- **Log Metrics送信**
- **APM Agent単体で Logs in Contextと転送を利用可能に**

The screenshot displays the New Relic APM interface for an error group. The error is identified as `HttpError 500` for the `k8s_front_end` workload. The interface shows the error's first and last seen times, a line chart of occurrences over time, and key attributes such as `transactionName` and `transactionUName`. A 'Logs' section is highlighted with an orange border, showing a log entry with the message `Access log: orders` at timestamp `13:57:23.474`. The 'Attributes' section below shows details for the transaction, including the `aggregateFacet` and `transactionName`.

<https://newrelic.com/jp/blog/nerdlog/apm-native-log-sending>

# Logs in APM UI

- **APM UIにLogs追加**
- **New Relic Logs の専用UIに遷移しなくても、そのままAPMに関するログを表示可能に**
- **Lambda FunctionやInfrastructure V2 UIにも同じようにLogsメニューが追加**





# Log Obfuscation

- Logから意図せず漏洩することがないように文字列の書式を指定してログを**難読化 (Obfuscation)**して保存可能に
- マスク
- ハッシュ化 (検索調査可能)
- Data Plus 必要

The screenshot displays the New Relic Logs interface. The search bar contains the query `logtype:"testlog"`. The left sidebar shows the 'Log Obfuscation' setting is enabled. The main area shows a table of logs with columns for timestamp, logtype, and message. The message column contains obfuscated data.

timestamp	logtype	message
14:52:04.986	testlog	Tue Mar 29 18:52:04 UTC 2022 Customer Social Security # f75a1cb48561d5ce7fa49a1367f7ca847cad67b5566edace67468d63e4e46fc1 --- This log...
14:52:04.987	testlog	Tue Mar 29 18:52:04 UTC 2022 Customer Social Security # f75a1cb48561d5ce7fa49a1367f7ca847cad67b5566edace67468d63e4e46fc1 --- This log...
14:52:04.987	testlog	Tue Mar 29 18:52:04 UTC 2022 Customer Social Security # f75a1cb48561d5ce7fa49a1367f7ca847cad67b5566edace67468d63e4e46fc1 --- This log...
14:52:04.989	testlog	Tue Mar 29 18:52:04 UTC 2022 Customer Social Security # f75a1cb48561d5ce7fa49a1367f7ca847cad67b5566edace67468d63e4e46fc1 --- This log...
14:52:04.989	testlog	Tue Mar 29 18:52:04 UTC 2022 Customer Social Security # f75a1cb48561d5ce7fa49a1367f7ca847cad67b5566edace67468d63e4e46fc1 --- This log...
14:52:04.990	testlog	Tue Mar 29 18:52:04 UTC 2022 Customer Social Security # f75a1cb48561d5ce7fa49a1367f7ca847cad67b5566edace67468d63e4e46fc1 --- This log...
14:52:04.991	testlog	Tue Mar 29 18:52:04 UTC 2022 Customer Social Security # f75a1cb48561d5ce7fa49a1367f7ca847cad67b5566edace67468d63e4e46fc1 --- This log...
14:52:04.992	testlog	Tue Mar 29 18:52:04 UTC 2022 Customer Social Security # f75a1cb48561d5ce7fa49a1367f7ca847cad67b5566edace67468d63e4e46fc1 --- This log...
14:52:04.993	testlog	Tue Mar 29 18:52:04 UTC 2022 Customer Social Security # f75a1cb48561d5ce7fa49a1367f7ca847cad67b5566edace67468d63e4e46fc1 --- This log...
14:52:04.994	testlog	Tue Mar 29 18:52:04 UTC 2022 Customer Social Security # f75a1cb48561d5ce7fa49a1367f7ca847cad67b5566edace67468d63e4e46fc1 --- This log...
14:52:04.994	testlog	Tue Mar 29 18:52:04 UTC 2022 Customer Social Security # f75a1cb48561d5ce7fa49a1367f7ca847cad67b5566edace67468d63e4e46fc1 --- This log...

<https://docs.newrelic.com/docs/logs/ui-data/obfuscation-ui/>

# Logs Table in Dashboards

- ダッシュボード上でLog Tablesを利用可能に
- 詳細ログを表示可能に！

The screenshot displays the New Relic dashboard interface. At the top, there's a search bar and navigation tabs. Below, a 'Log Dashboard' is selected, showing a table of logs. A specific log entry is highlighted, and a 'Log details' panel is open on the right, showing the full log message and associated metadata.

timestamp	message
13:09:10.805	(7) 2022/06/15 04:09:10.805549 {"level":"debug","msg"
13:09:10.958	ts=2022-06-15T04:09:10.958Z caller=log.go:124 compone
13:09:10.974	ts=2022-06-15T04:09:10.974Z caller=log.go:124 compone
13:09:10.975	ts=2022-06-15T04:09:10.975Z caller=log.go:124 compone
13:09:11.171	Access log: cart
13:09:11.172	Request received: /cart, undefined
13:09:11.172	Customer ID: 629968d17ddea00070032ce
13:09:11.200	[0mGET /cart [32m200 [0m- ms - - [0m
13:09:11.262	Access log: card
13:09:11.267	Access log: address
13:09:11.271	ts=2022-06-15T04:09:11.270918172Z caller=middlewares.
13:09:11.271	Access log: catalogue?size=3

**Log details**  
Info June 15, 2022 13:09:11.171

**Message**  
Access log: cart

**Application**  
k8s\_front\_end

**Host**  
front-end-7864895d7-vbqr5

**Kubernetes Cluster**  
sock-shop

**Formatted** Unformatted

```
{
  cluster_name: sock-shop
  container_name: front-end
  entity.guid: MzMzODk0MHxBUE18QVBTQTELDQVRJT058MTA1OTU2NTgxNQ
  entity.guids: MzMzODk0MHxBUE18QVBTQTELDQVRJT058MTA1OTU2NTgxNQ
  entity.name: k8s_front_end
  entity.type: SERVICE
  hostname: front-end-7864895d7-vbqr5
  index: 62
  label: microservice
  level: info
  message: Access log: cart
  namespace_name: sock-shop-nr
  newrelic.logPattern: Access log: <>>
  newrelic.source: api.logs
  plugin.source: k8s-fb-1.10.0
  pod_name: front-end-7864895d7-vbqr5
  service: ec2-micro-front-end
  span.id: c00cc77eb5081024
}
```

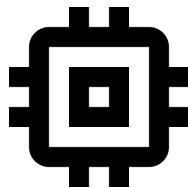


# Backend

# Kubernetes Integration V3

- ①アーキテクチャ変更  
最大80%のメモリ消費  
軽減を実現
- ②ログとプロセスサイ  
クル改善によりトラブ  
ルシュート迅速化
- ③-⑤構成可能性、安  
定性、およびユーザー  
エクスペリエンス重視  
に

1



Reduce memory  
footprint

2



Improve  
troubleshooting

3



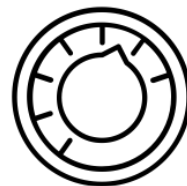
Easier config

4



Scrape external  
control planes

5



Adjust scraping  
intervals

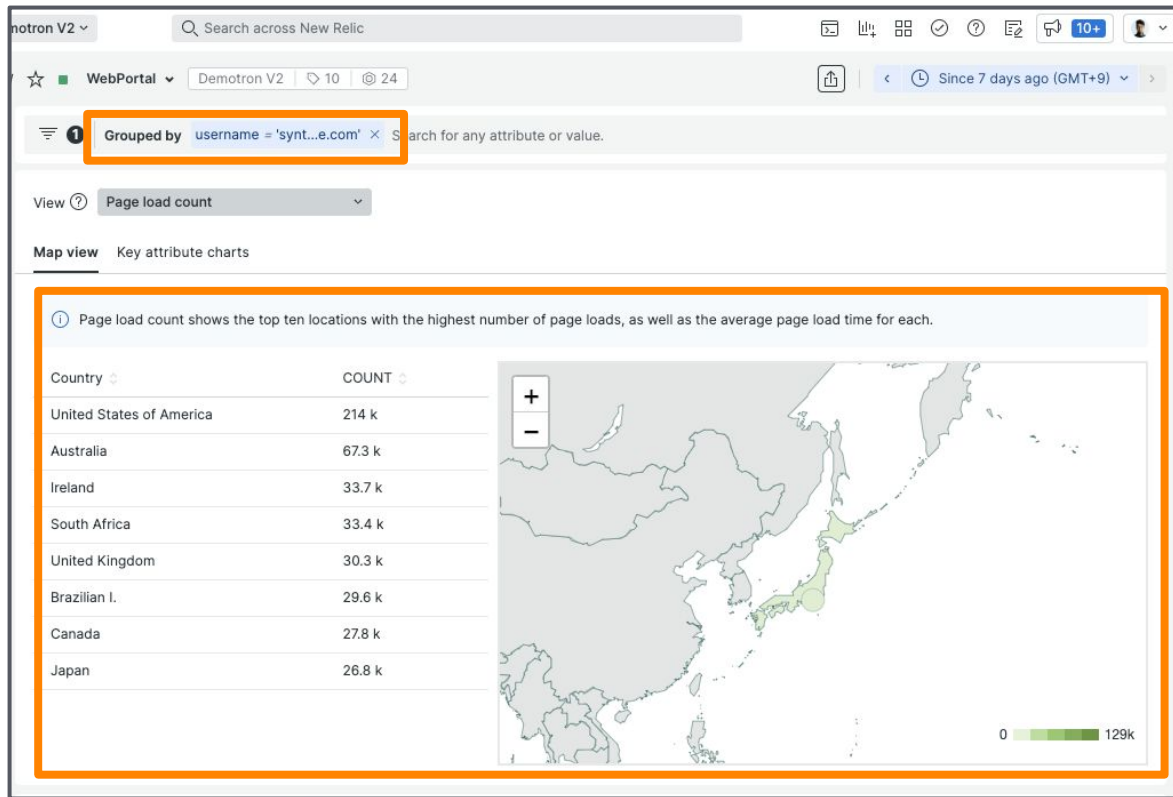


# Frontend

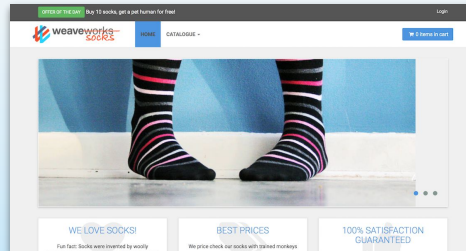
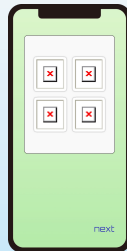


# Browser UI renewal

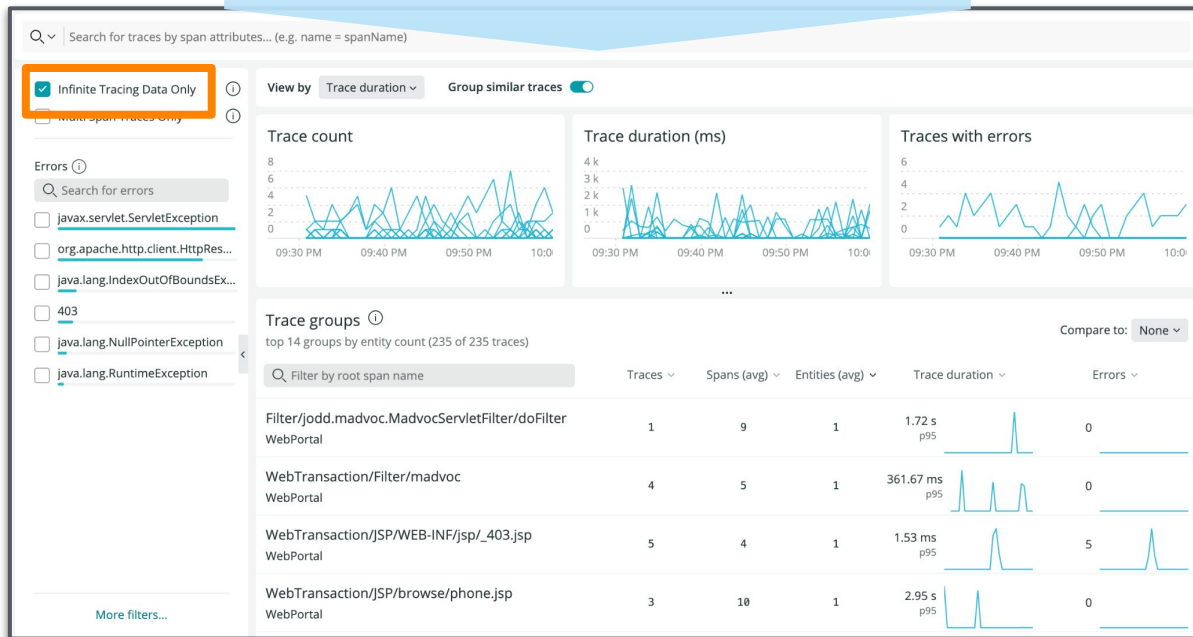
- Core Web Vitals
- デバイス間ユーザートラフィック
- 地域トラフィックフィルタ
- Custom attribute フィルタ



# Infinite Tracing Mobile/Browser /Lambda



- Infinite Tracingに  
**Mobile/Browser/Lambda**が追加対応
- サンプリングされたために見落として追えなかったユーザーエラーを**確実に発見**





# Synthetics New Runtime

- **新Synthetics Runtime**
- **Chrome Ver.100** (旧72)
- gotノードリクエストモジュール、  
async/awaitのサポート、カスタムタイミングライブ러리追加

Summary

Monitor

Results

Resources

Failures

Reports

SLA

Settings

General

### Edit monitor

Scripted Browser

1. Configure monitor 2. Select locations 3. Write script

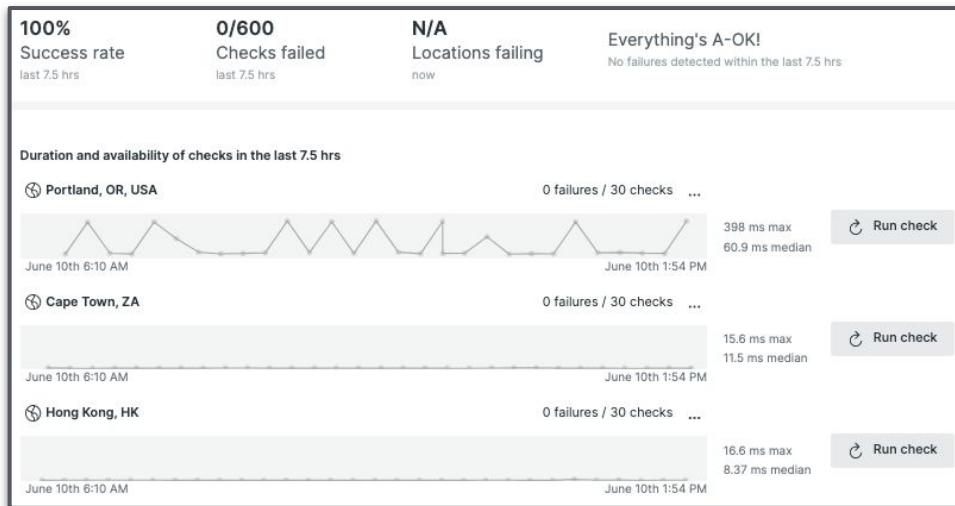
Monitor enabled  Monitor muted

Name (required)  
Verify checkout flow is working

Period  
5 mins

> Advanced options

Runtime  
Chrome 72 (Legacy) ⓘ  
Chrome 72 (Legacy)  
Chrome 100



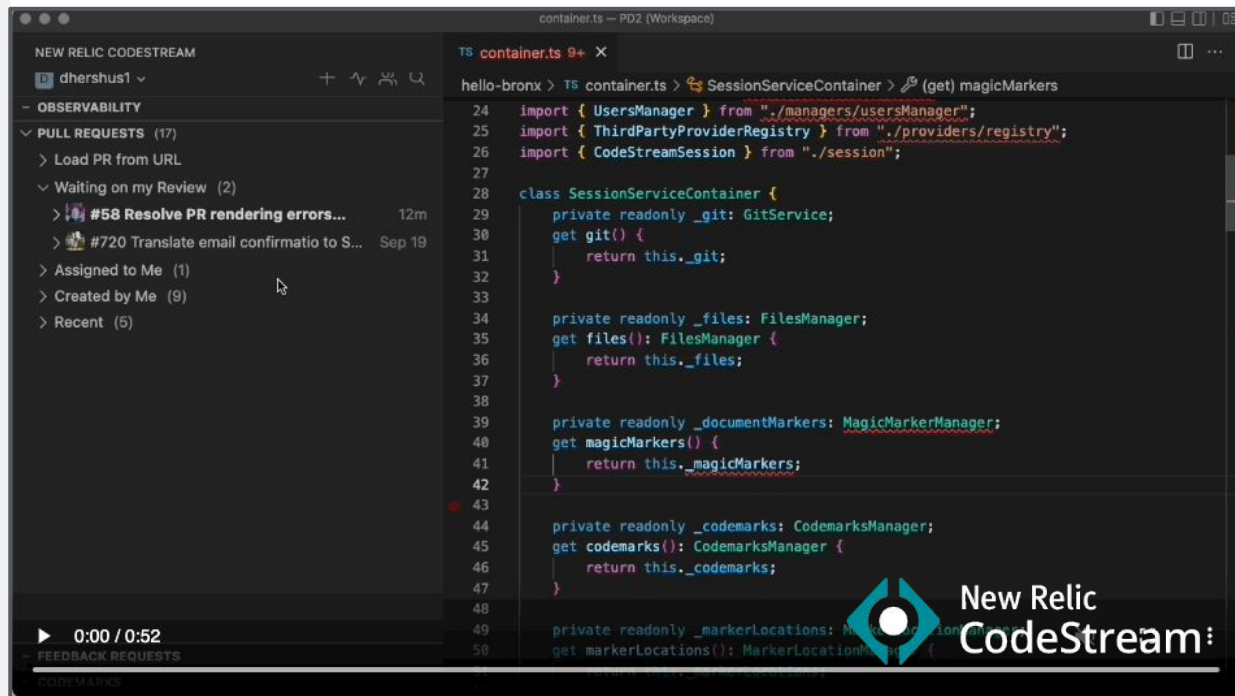


# Dev



# CodeStream v13.0

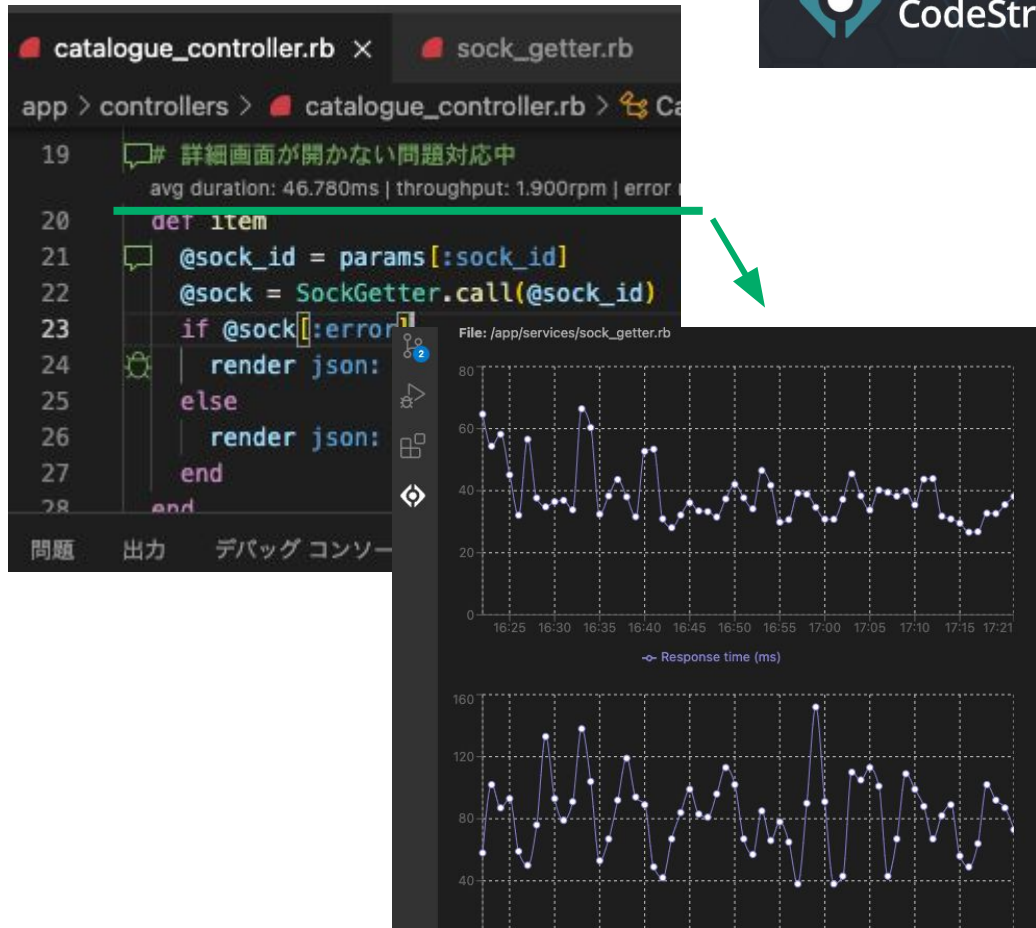
- PR内の変更されたすべてのファイルをすばやく表示
- コメントの追加と表示を簡単に
- IDE上のCodeStreamでレビューを迅速に



<https://www.codestream.com/blog/codestream-13-0-easier-code-reviews-with-all-new-pull-request-integration>

# Code Level Telemetry in IDE

- New Relic 画面アクセス要らずなIDE機能
- メソッドごとの品質を開発者が直接フィードバックを得られる
- Python / Ruby対応



# OpenTelemetry

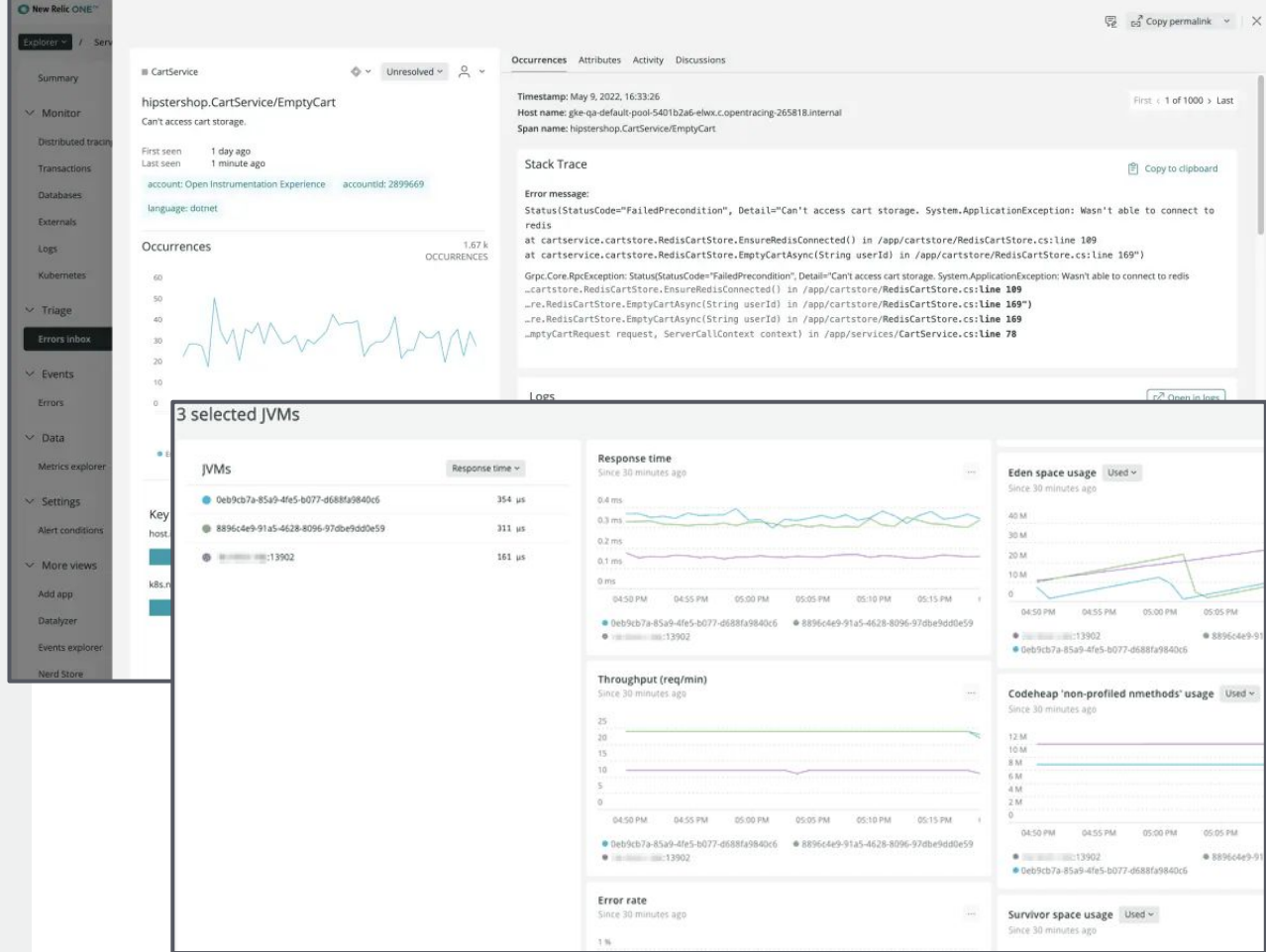
- Errors Inbox対応！

- JVM比較機能！

- 学習コンテンツ

OpenTelemetry

Master Class公開！



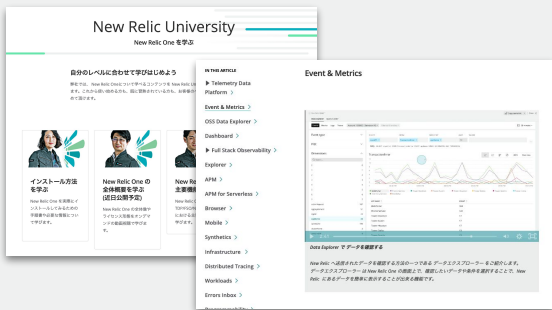


# Resources

# 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





# まとめ

1. **DevSecOpsへ！**
2. **Logo変更リブランド！**
3. TDP - Data Plusとともに**セキュリティ機能**を強化！
4. **Logs Everywhere**として強化！
5. **Browser UIもk8s Integration V3**もさらに強化！
6. **CodeStream、OpenTelemetry**さらに強化！
7. これからの新生New Relicは、さらに進化します！

お気に入りのひとつ  
試してみよう！

