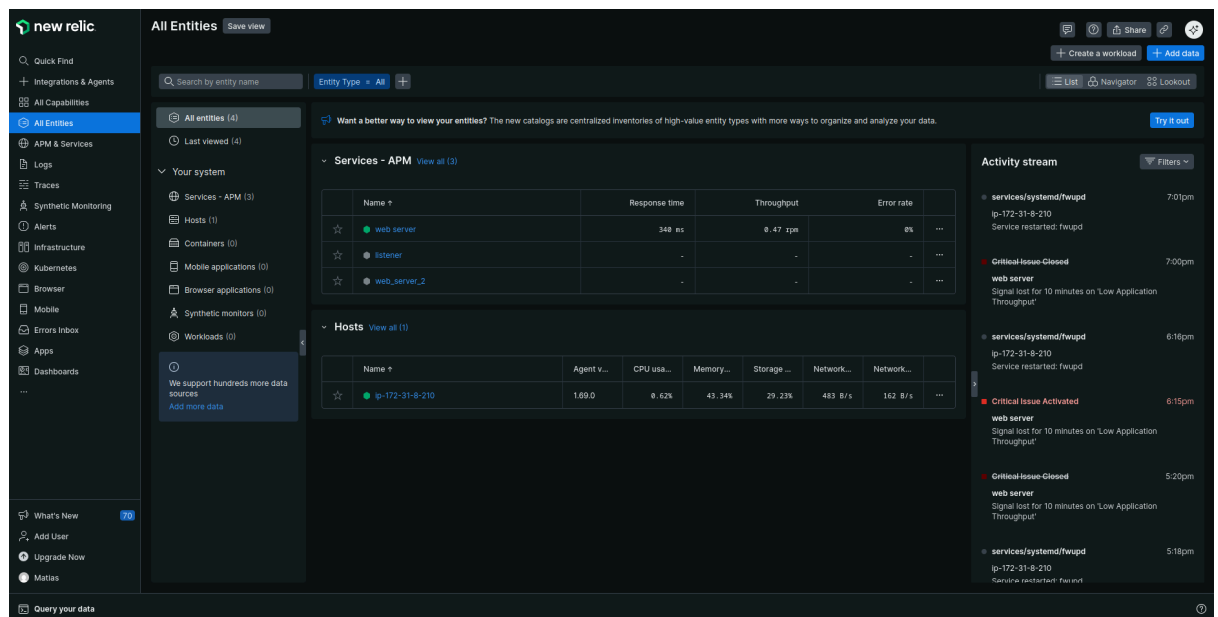


# Como instalar y utilizar New Relic para el monitoreo de infraestructura y aplicación

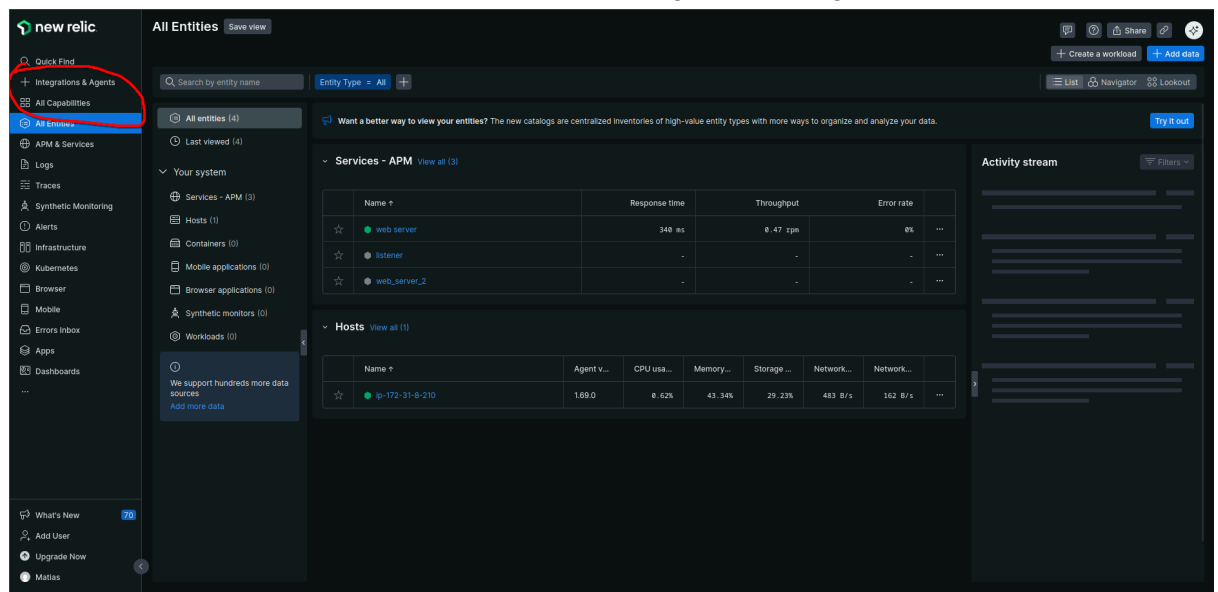
## Infraestructura

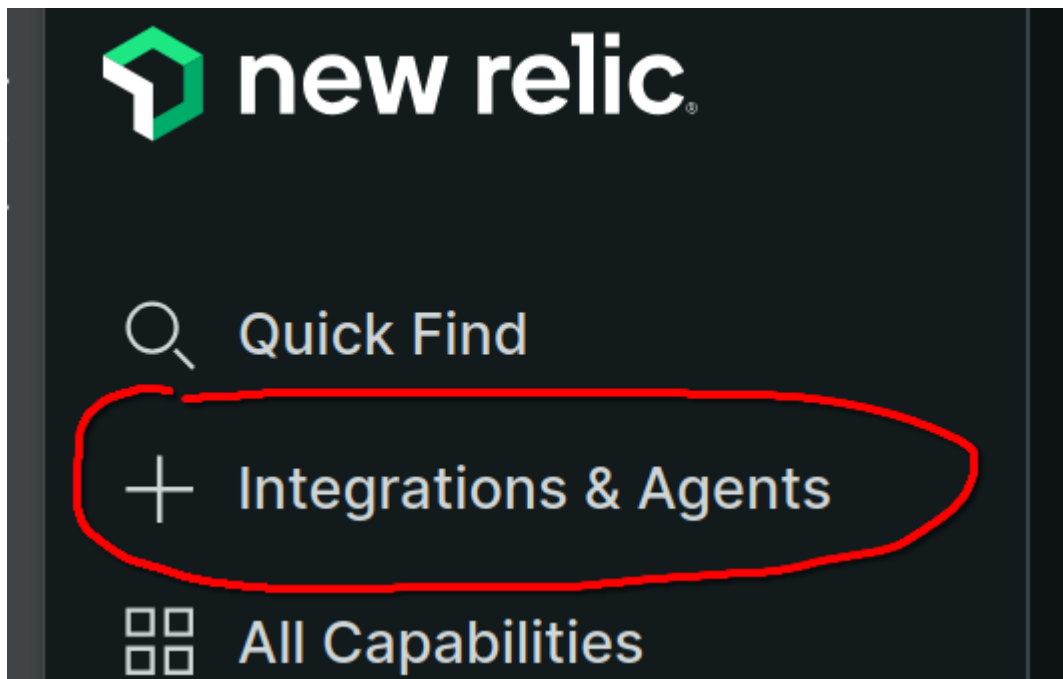
Paso 1: Crear una cuenta en New Relic <https://newrelic.com>

Paso 2: Al ingresar en New Relic se debe ver algo tal que así

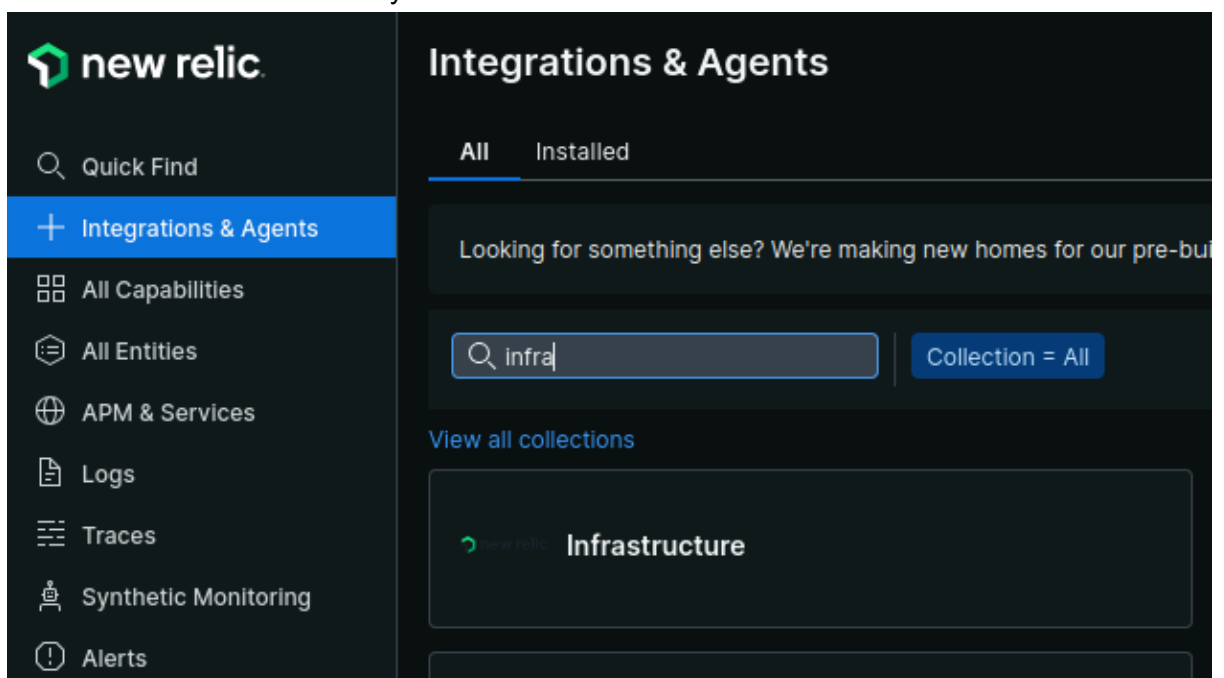


Ahora en la pestaña lateral izquierda presione “Integrations & Agents”

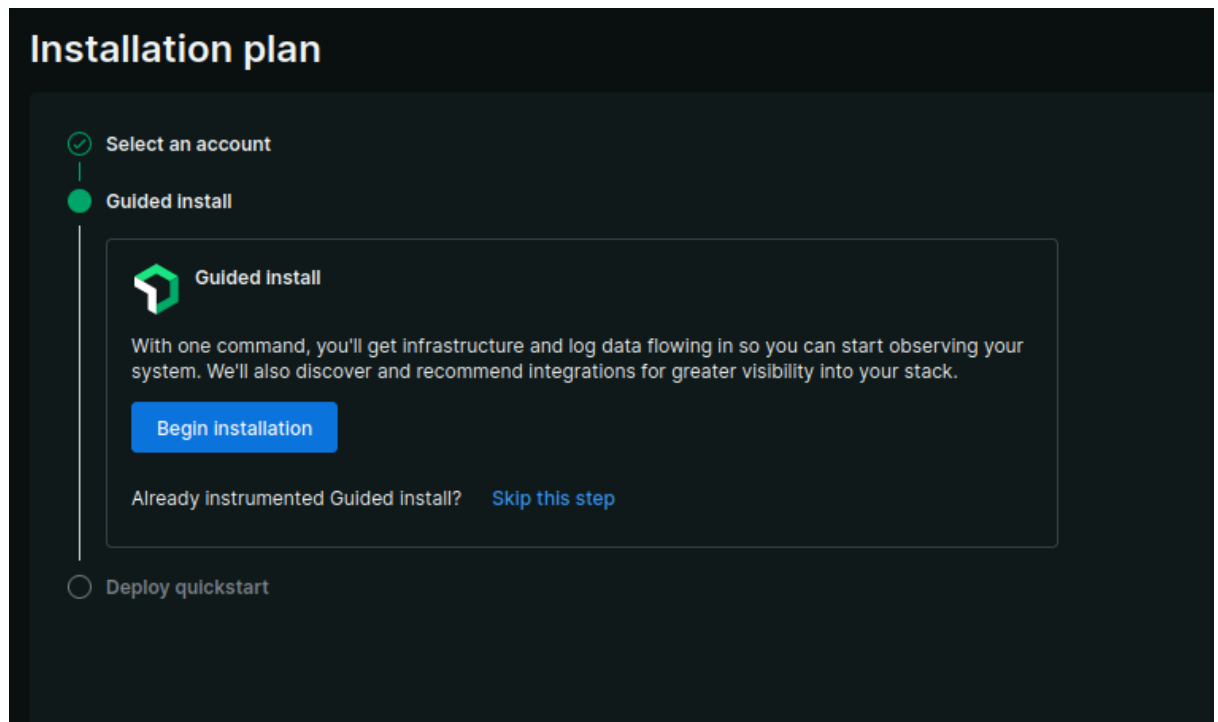




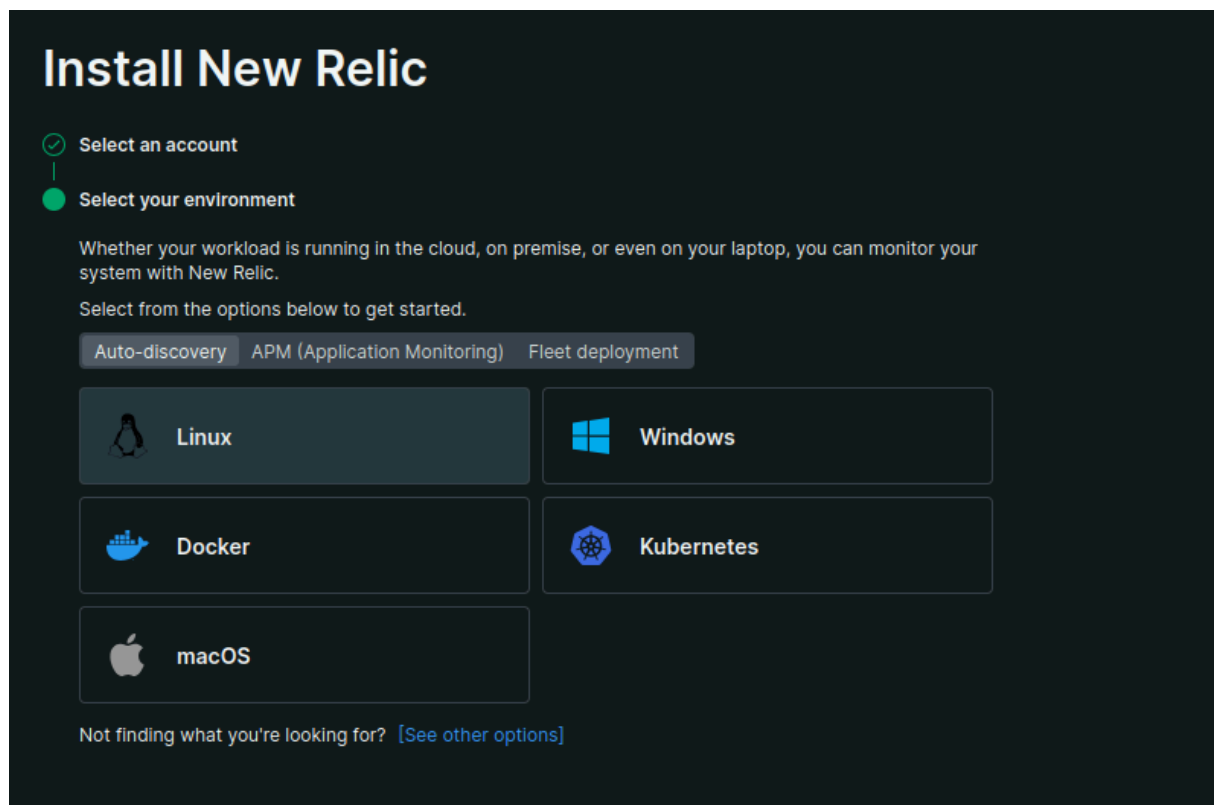
Paso 3: Buscar infrastructure y seleccionarlo




Paso 4: Continuar con la instalacion guiada de New Relic, Presionar Begin Installation



Paso 5: En nuestro caso utilizamos ubuntu, por lo que seleccionamos la opción de linux



Paso 6: Seleccionar create a new key, guardar la key entregada en un lugar seguro y continuar



**Data source**  
**Linux**  
With one command, you'll get infrastructure and log data flowing in so you can start observing your system. We'll also discover and recommend integrations for greater visibility into your stack.

● Enter your credentials

○ Install agent

○ Test the connection

**Enter your user key**  
Use an existing user key or create a new one.

Use an existing key

Create a new key

User key

NRAK-UL\*\*\*\*\*


Copy key

Copy your key and keep it somewhere safe. If you lose it, you'll have to create a new one.

ⓘ Did you copy your key? For security reasons, we won't show it again.

Continue

Paso 7: En la terminal ejecutar el código entregado por New Relic, donde la api key es la misma que el paso anterior, una vez terminado presionar continue.



**Data source**  
**Linux**  
With one command, you'll get infrastructure and log data flowing in so you can start observing your system. We'll also discover and recommend integrations for greater visibility into your stack.

● Enter your credentials

● Install agent

○ Test the connection

**Install the infrastructure agent for Linux**  
Run this command on your Linux host to enable infrastructure metrics.

```
curl -fs https://download.newrelic.com/install/newrelic-cli/scripts/install.sh | bash && sudo NEW_RELIC_API_KEY=NRAK-UL*****  
NEW_RELIC_ACCOUNT_ID=7282833 /usr/local/bin/newrelic install
```

● Automatically answer "yes" to all install prompts. We'll stop the installer if there's an error.


● Use a proxy

Tags (optional)

| Key | Value |
|-----|-------|
|     |       |
| +   |       |

Continue

Paso 8: Con lo anterior la infraestructura debería esta enviando data a New Relic, en esta pestaña verificar que el status sea correcto,.



Data source

Linux

With one command, you'll get infrastructure and log data flowing in so you can start observing your system. We'll also discover and recommend integrations for greater visibility into your stack.

Enter your credentials

Install agent

Test the connection

Test the connection

We'll test your connection once the installation has completed.

| Agent                      | Status    | Details  |
|----------------------------|-----------|--|
| Infrastructure Agent       | Installed | Agent installed successfully.  |
| Logs Integration           | Installed | Agent installed successfully.  |
| Integrate your AWS account | Detected  | We found an uninstrumented data source. <a href="#">Install Integrate your AWS account</a> |

See your data

Paso 9: Si está todo ok, se puede ver el monitoreo de la infraestructura en la dashboard de New Relic. Tal como el ejemplo a continuación de nuestra infraestructura en AWS. Donde podemos ver el uso de CPU, memoria ram y almacenamiento en disco, como también tráfico de red, entre otros.

En el panel izquierdo puede seleccionar diferentes monitores para un análisis detallado de cada uso.

Hosts

ip-172-31-42-100

Tags

Teams

Infrastructure Good

Summary

MONITOR

Logs

Metrics

Network

Process

Storage

System

Dependencies

SECURITY RX

Overview

Distributions

Packages

Vulnerabilities

TRIAGE

Diagnose

DATA

Events explorer

Metrics explorer

MORE VIEWS

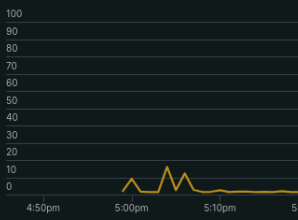
Add app

Change tracking

Cloudflow logs

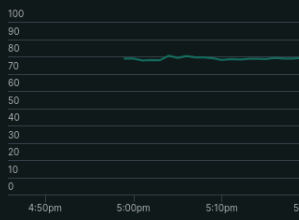
CPU usage (%)

Since 30 minutes ago



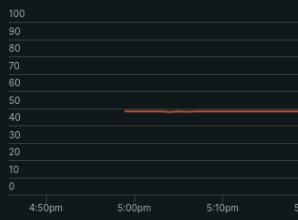
Memory usage (%)

Since 30 minutes ago



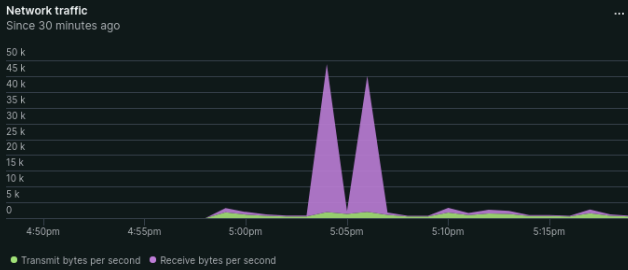
Storage usage (%)

Since 30 minutes ago



Network traffic

Since 30 minutes ago



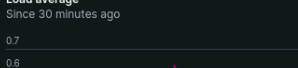
Disk usage

Since 30 minutes ago

| Device          | Used % |
|-----------------|--------|
| /dev/root       | 78.096 |
| /dev/nvme0n1p16 | 18.344 |

Load average

Since 30 minutes ago



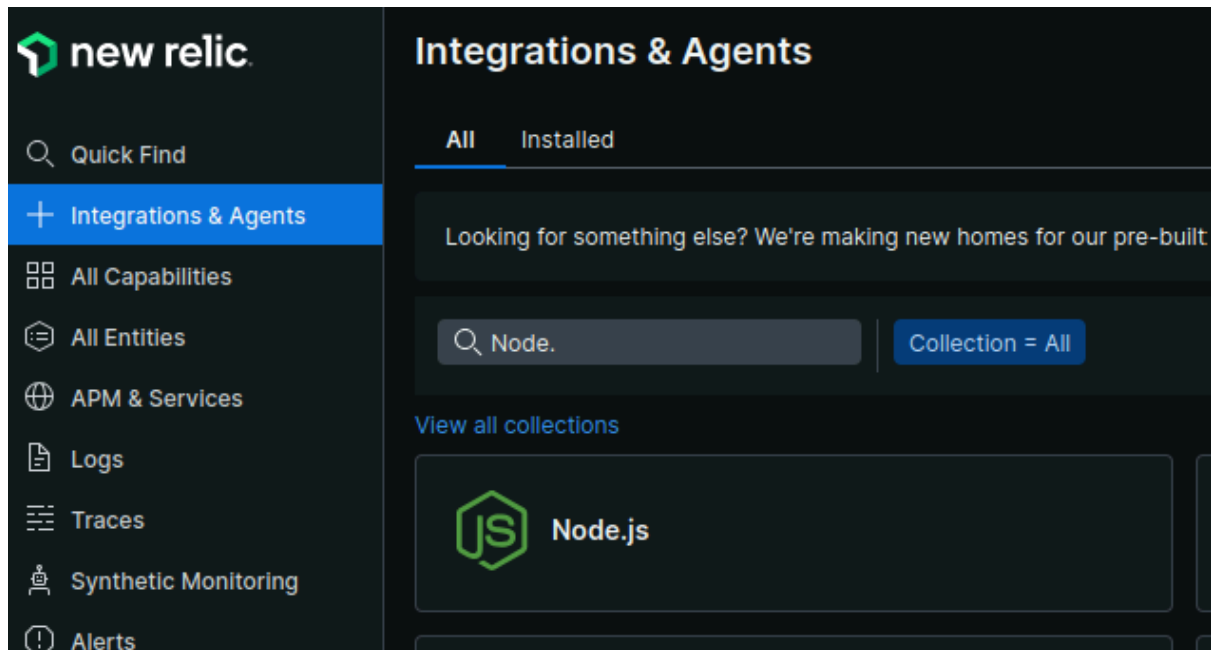
Processes running

Since 30 minutes ago

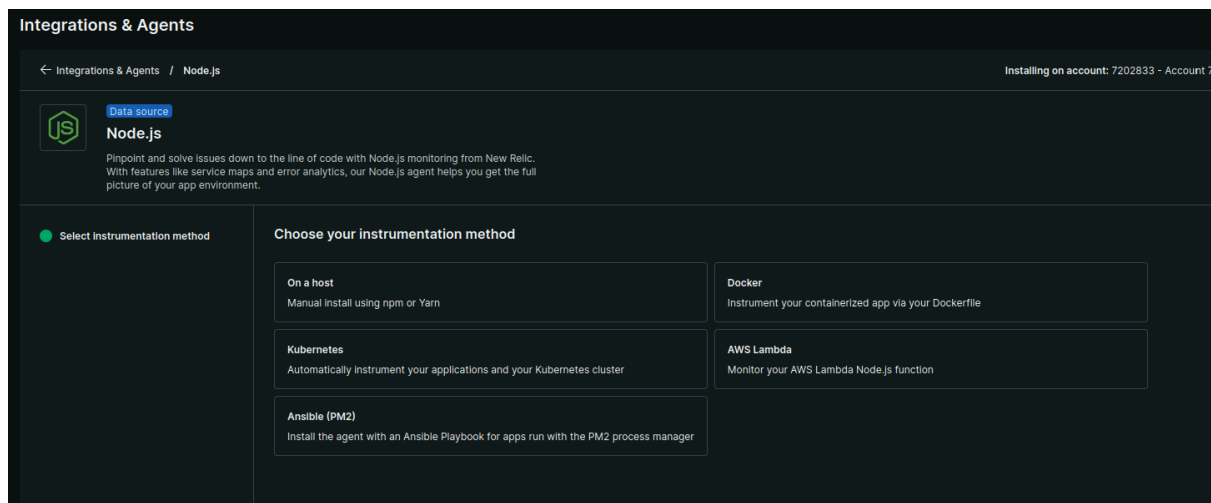
| Process Id | Process Display Name | CPU % | Threads |
|------------|----------------------|-------|---------|
| ...        | ...                  | ...   | ...     |

## Aplicación

Paso 1: Volver a la pestaña de infraestructura, en nuestro caso utilizamos Node.js para la aplicación.



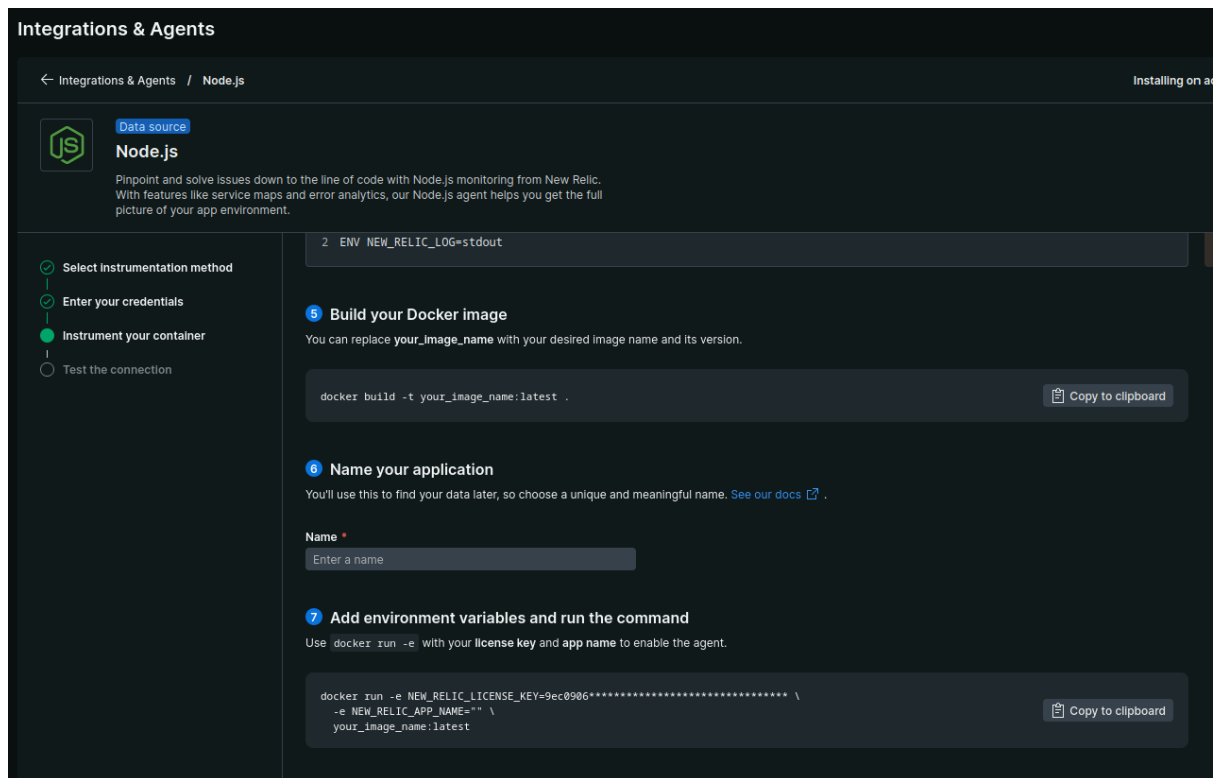
Paso 2: Continuar con la instalación guiada de New Relic, en nuestro caso utilizamos docker por lo que seleccionamos esta opción











En resumen,

Paso 1: Añadir la siguiente línea como dependencia en los package.json  
`"newrelic": "latest"`

Paso 2: Añadir la siguiente línea en la primera línea del modulo main de la app, en nuestro caso app.js  
`require('newrelic');`

Paso 3 y 4: Añadir las siguientes líneas en los dockerfile.  
`ENV NEW_RELIC_NO_CONFIG_FILE=true`  
`ENV NEW_RELIC_DISTRIBUTED_TRACING_ENABLED=true`  
`ENV NEW_RELIC_LOG=stdout`

Paso 5, 6 y 7: Ingresar un nombre para la aplicacion, luego como utilizamos docker compose, definimos las siguientes variables en un .env al nivel de docker-compose.yml

`NEW_RELIC_LICENSE_KEY= La key guardada anteriormente`  
`NEW_RELIC_APP_NAME="Nombre de la aplicacion"`

De ser necesario se pueden configurar multiples key dentro del docker-compose para cada servicio como variables de entorno.

Paso 8: Levantar los docker con docker compose

Paso 5: Ya con los docker en funcionamiento, la aplicación debería estar enviando data a New Relic, en esta pestaña verificar que el status sea correcto.,

Integrations & Agents

← Integrations & Agents / Node.js

JS

Data source

Node.js

Pinpoint and solve issues down to the line of code with Node.js monitoring from New Relic. With features like service maps and error analytics, our Node.js agent helps you get the full picture of your app environment.

✓ Select instrumentation method

✓ Enter your credentials

✓ Instrument your container

● Test the connection

Test the connection

Restart your app, then test your connection.

| Connection type | Status | Details |
|-----------------|--------|---------|
| Node.js         | ...    | N/A     |

This may take a few minutes...

See your data

Paso 6: Si está todo ok, se puede ver el monitoreo de la aplicación en la dashboard de New Relic. Tal como el ejemplo a continuación de nuestra aplicación web server . En el panel izquierdo puede seleccionar diferentes monitores para un análisis detallado de cada uso.

APM & Services / Services - APM

web server

Services 75% not instrumented Infrastructure 100% not instrumented

Since 30 minutes ago (UTC)

Metric normalization

Summary

MONITOR

Recommendations

Distributed tracing

Service map

Dependencies

Transactions

Databases

External services

Node VMs

SECURITY RX

Overview

Libraries

Vulnerabilities

TRIAGE

Errors (errors inbox)

Logs

IAST

Diagnose

EVENTS

Issues & activity

Change tracking

REPORTS

Group by: none

Compare with: none

Transaction type: Web

Host name: any

Issues

Deployments

Service levels

Vulnerabilities

Web transactions time

Apdex score

Throughput

Errors

Activity stream

Critical-issue-Closed

Critical Issue Activated

Related entities

You're not getting data from your full stack

Services

Infrastructure