



New Relic CLI Wizardry

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Safe Harbor

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Workshop Installation Instructions

- <https://github.com/newrelic-experimental/nerd-days-cli-wizardry>
- Docker image
 - `docker pull newrelic/cli`
- OS Specific Packages:
 - Mac Homebrew: `brew install newrelic-cli`
 - Linux: SnapCraft: `sudo snap install newrelic-cli`
 - Windows
 - Chocolatey
 - Scoop
 - MSI / PowerShell script
- Download source / binaries from GitHub

Introduction

- Entrypoint for interacting with New Relic via the command line
- Latest version v0.14.0
- Uses Personal API Keys
- Delivered in [Open Source](#)
- Build on top of the [newrelic-client-go](#) library
- Unification of New Relic command line utilities



Developer Toolkit

The New Relic Developer Toolkit is a suite of tools expressly built to ease the configuration, management, and usage of New Relic through automation.

Tool	Problem	Solution
<u>Terraform Provider</u>	Teams need an easy and consistent way to monitor their assets, following defined best practices.	Configure your stack with the New Relic Terraform Provider, which enables Observability as Code, reducing developer toil, and allows users to manage their entire ecosystem in a single place
<u>New Relic CLI</u>	When I deploy an application, I want to easily record the deployment in New Relic When service ownership changes, I want an easily automated way to change tags within New Relic	The New Relic CLI enables integration of New Relic into your existing workflows. Be it fetching data from your laptop while troubleshooting an issue, or adding New Relic into your CI/CD pipeline.
<u>New Relic Kubernetes Operator</u>	I use Kubernetes, how do I easily provision New Relic resources.	The New Relic Kubernetes Operator enables teams leveraging Kubernetes to easily provision a subset of New Relic resources as part of their existing workflow.

Example Use Case

Analytics for your development pipeline.

- Why are my tests taking so long to run?
- Are tests improving over time?
- What percentage of tests are failing?

Example Use Case

- Data is available via testing frameworks
- Standardized on JUNIT
 - Widely supported
- No easy way to send the data in
 - Artisanal JSON + cURL
- How to integrate into the pipeline?

Example Use Case

- Existing test pipeline using Github Actions
- Actions can run commands via Docker
- New Relic CLI has a Docker container + API access...

Example Use Case

Enter the junit-reporter-action

```
name: Release

on:
  - release

jobs:
  newrelic:
    runs-on: ubuntu-latest
    name: Basic Usage
    steps:
      - name: Checkout
        uses: actions/checkout@v2

      - name: Post JUnit test results to New Relic
        uses: newrelic/junit-reporter-action@v0.1
        with:
          accountId: ${ secrets.NEW_RELIC_ACCOUNT_ID }
          insertApiKey: ${ secrets.NEW_RELIC_INSERT_API_KEY }
          testOutputPath: test-output/integration.xml
```

Example Use Case

```
FROM TestRun SELECT sum(durationMs/1000) WHERE suite LIKE '%/newrelic-client-go/%' FACET suite TIMESERIES SINCE 1 week ago
```

+ Add another query

Your recent queries ▾

Since 1 week ago

Share ▾



7.43 thousand events inspected in 71 ms (0.1 MEPS)

Example Commands

- NRQL commands

- `newrelic nrql query -a ${NEW_RELIC_ACCOUNT_ID} \`
 `-q 'FROM Transaction SELECT count(*)'`
- `newrelic nrql history`

- Send Events

- `newrelic events post -a ${NEW_RELIC_ACCOUNT_ID} \`
 `-e '{"eventType": "test", "thing1": 5, "thing2": "blue"}'`

- Configure Edge Tracing

- `newrelic edge trace-observer list -a ${NEW_RELIC_ACCOUNT_ID}`

Configuration

```
$ newrelic profile add \  
  --name wizardry \  
  --apiKey ${NEW_RELIC_API_KEY} \  
  --insightsInsertKey ${NEW_RELIC_INSIGHTS_INSERT_KEY} \  
  --region ${NEW_RELIC_REGION}
```

```
$ newrelic profile default \  
  --name wizardry
```

```
$ newrelic profile list
```

Name	Region	APIKey
-----	-----	-----
wizardry (default)	US	<hidden>

Lab Time!

<https://github.com/newrelic-experimental/nerd-days-cli-wizardry>

Thank You