AMBIENT-IT

+33 (0)1 48 10 09 46
formation@ambient-it.net
140 Avenue Jean Lolive 93500 Pantin - France

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Sign up

New Relic training

3 days (21 hours)

Presentation

New Relic is an analysis product for application performance monitoring (APM), providing real-time, performance-oriented data on your Web application. The New Relic APM user interface provides up-to-date and historical data on memory usage, CPU utilization, Web browser rendering performance, application availability, database query performance and external analysis.

Ranked among the leaders in APM by Gartner, New Relic positioned itself from the outset in the cloud with a SaaS offering. It is now adapting its offering to the latest market trends: analytics and artificial intelligence.

During this course, you'll learn how to create pages and reports in New Relic APM, and understand the transaction system. You will then learn how New Relic Insights and New Relic Infrastructure work.

Like all our training courses, this one will introduce you to the REST v2 API, the latest stable version and its new features.

Objectives

- Create your own pages and reports in New Relic APM
- Understanding the transaction and event system
- Get to grips with New Relic Insights & Infrastructure

Target audience

- Developers
- Project managers

Prerequisites

Know a programming language & the cloud.

New Relic training program

Module 1 - New Relic APM

Introduction to APM

- Introduction
- Alerts
- Apdex
  - Measuring user satisfaction
  - Your Apdex Score
  - Change Apdex settings
- Maintenance
  - Data retention
  - Deleting applications
  - Register deployments
- Troubleshooting
  - Processor utilization disparity
  - Missing graphics UI

APM pages

- Monitoring
  - See the index of your applications
  - Overview page
  - New Relic APM data in Infrastructure
  - Transactions page
  - Slow databases and queries
  - Display details of slow request
  - External services page
  - Agent-specific UI
- Analytics error
  - Introduction to error analysis
  - Error during event analysis
  - Error profiles
  - Trace analysis errors
- Features
  - Analyze database and performance problems (instance)
  - Front-end time monitoring
  - Request queue configuration
  - Server configuration examples
  - Transaction card display

- Events
  - Errors page (legacy)
  - View alert history
  - Deployment page
  - Transaction thread profiling

tool

- Transaction traces
  - Introduction to transaction traces
  - Configuring transaction traces
  - Contents page
  - Draw the details page
  - Database query
  - Safety options
  - Do not see transaction traces
- Key transactions
  - Introduction to key transactions
  - Graphs and data
  - Create and update
  - Alerts (Key Transaction)
- Cross-application traces
  - Application tracing
  - Display of cross-application traces
  - Solve cross-application trace problems
- X-Ray session
  - Introduction to X-Ray sessions
  - Start, stop, delete and view X-Ray sessions
  - Overview page
  - Thread Report profile

page

- Service Level Agreements
  - SLA reports
  - API examples for SLA reports
- Performance analysis
  - Availability report
  - Job analysis report
  - Capacity analysis report
  - Database analysis report
  - Host usage report
  - Scalability analysis report
  - Web transaction analysis report
  - Weekly performance report

Module 2 - New Relic Insights

- Understanding Insights concepts
- Customize query attributes and events for your business
- Creating customized dashboard pages

- Use of New Relic Query Language (NRQL).
- Use advanced NRQL query types such as conversion funnels, filters and cohort analysis.

Module 3 - New Relic Infrastructure

- Infrastructure installation for Linux and Windows
- Activate AWS integration
- Use filters and groups to identify specific hosts
- Using New Relic Infrastructure to solve performance problems

Additional module (1 day): Integration with Splunk

Companies concerned

This course is aimed at both individuals and companies, large or small, wishing to train their teams in a new advanced computer technology, or to acquire specific business knowledge or modern methods.

Positioning on entry to training

Positioning at the start of training complies with Qualiopi quality criteria. As soon as registration is finalized, the learner receives a self-assessment questionnaire which enables us to assess his or her estimated level of proficiency in different types of technology, as well as his or her expectations and personal objectives for the training to come, within the limits imposed by the selected format. This questionnaire also enables us to anticipate any connection or security difficulties within the company (intra-company or virtual classroom) which could be problematic for the follow-up and smooth running of the training session.

Teaching methods

Practical course: 60% Practical, 40% Theory. Training material distributed in digital format to all participants.

Organization

The course alternates theoretical input from the trainer, supported by examples, with brainstorming sessions and group work.

Validation

At the end of the session, a multiple-choice questionnaire verifies the correct acquisition of skills.

Sanction

A certificate will be issued to each trainee who completes the course.