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Sign up

Elastic Observability© Certification Training

ALL-IN-ONE: EXAMINATION INCLUDED IN PRICE

2 days (14 hours)

Presentation

Elastic Observability© certification enables you to prove your skills **and** ability to use Elastic tools to monitor, analyze and optimize the performance of services and applications.

During the course, we'll explore in detail the various modules covered by the certification, including: uptime monitoring, metrics analysis, log management, APM, data structuring and processing, as well as working with observability data to create dashboards and detect anomalies.

Our Elastic Observability© training course provides you with the knowledge and skills you need to pass the exam. It covers in depth all the topics mentioned in the exam syllabus, providing practical examples and real-life use cases for a better understanding.

Training is constantly updated to reflect the latest advances and best practices in observability.

As with all our training courses, this one will introduce you to the latest version of ELK / Elastic Stack.

Objectives

- Configuring and running Heartbeat
- Installing the Elastic agent
- Activate and configure integrations

- Using the APM application in Kibana
- Define index lifecycle management policies and create dashboards based on Observability data

Target audience

- Software developers
- Data architects
- System administrators
- DevOps
- Data engineers

Prerequisites

- Experience with ElasticSearch
- A working knowledge of terminal commands and Linux editors is recommended.

Note: Ambient IT is not the owner of Elastic Certifications©, this certification belongs to Elasticsearch B.V.©, Inc.

Elastic Observability© certification preparation program

Uptime

- Configuring and running Heartbeat
- Using Heartbeat to determine whether a service is accessible via
  - ICMP
  - TCP
  - HTTP
  - Using the Uptime application in Kibana

Metrics

- Install Elastic agent to collect metrics
- Enable and configure integrations to collect metrics from a specific service
- Analyze and answer questions about metrics collected in Elasticsearch
- Activate and analyze predefined machine learning tasks.

Logging

- Install Elastic agent to collect logs

- Enable and configure integrations to collect logs from a specific service
- Enable and configure integrations to track a given custom log file
- Analyze and answer questions on collected log events
- Activate and analyze predefined machine-learning tasks

APM

- Using the APM application in Kibana
- Use the Real Experience application in Kibana
- Modify and configure APM integration

Structuring and Processing Data

- Use Kibana to modify or define a pipeline of ingestion nodes
- Configure custom log integration to use a Use Kibana to modify or define a pipeline of ingest nodes
- Define ingestion node pipelines using different processors
  - append
  - convert
  - date
  - dissect
  - dot expander
  - geoip
  - grok
  - fail
  - json
  - remove
  - rename
  - set
  - split

Working with Observability Data

- Find anomalies in Observability data
- Define a machine-learning task in Kibana on Observability data
- Define or modify an index lifecycle management policy
- Set an alert with Kibana Alerts
- Create dashboards using visualizations based on Observability data

Strategy and methods for exam success Mock

exam

Companies concerned

This course is aimed at both individuals and companies, large or small,

wishing to train its teams in a new advanced IT 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.