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Kibana training

2 days (14 hours)

Presentation

[Kibana](#) is a data visualization plug-in, part of the Elastic Stack, for Elasticsearch released under the Apache version 2 open source license. It provides visualization functions on content indexed in an Elasticsearch stack.

Users can create bar charts, line charts, scatter , pie charts and maps of large volumes of data.

During this 2-day Kibana training course, you'll learn how to use Kibana to apply it to your projects.

After completing this course, you'll be able to manage histograms, line graphs, pie charts, sunbursts and much . You can also use the Vega language to design your own visualizations.

As with all our training courses, we will be using the latest version of [Kibana 8.17](#).

Objectives

- Understand the key principles of Kibana installation and configuration
- Use Kibana to index, search and visualize data and documents
- Discover the main approaches to application development

Target audience

- Developers
- Architects,
- System administrators

- DevOps

Prerequisites

- Basic knowledge of Windows or Linux/Unix operating development and administration
- [Test My Knowledge](#)

Kibana training program: Data Analyst Elastic Stack

The fundamentals

- Installation and architecture
- Document storage the JSON model
- Mapping and data type
- Dev tools: low-level query and administration tool
- What's new in version 8

Kibana search, reduce your search time

- Basic search query: score and filter
- Query language in the search bar
- Filters and advanced filters with custom queries

Kibana visualizations, explore the different visualization options available

- Overview of available visualizations
- Creating visualizations: aggregations, metrics
- Advanced visualization with timelion and vega

Kibana dashboard, learn how to customize and share your dashboard

- Composition of dashboards with different visualizations
- Real-time filtering and querying
- Sharing dashboards and visualizations

Kibana Management, managing the security of the Kibana instance

- Elasticsearch administration section
- Options for securing Kibana and sharing uneditable dashboards
- Kibana access security issues

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, 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.

