



إتقان أداة المراقبة جرافانا: الدورة التدريبية الكاملة

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الرجوع: 36340_25332 التاريخ: 09 - 13 Mar 2027 الموقع: دبي - Road Zayed Sheikh Marriott by Inn Residence الرسوم: Euro 6500

Course Overview:

The course is for IT professionals and organizations aiming to improve monitoring using Grafana. It covers Grafana training, from an overview of its architecture to hands-on sessions such as a tutorial on the user interface and creating dashboards. Participants will learn to install Grafana on various environments, integrate Prometheus and InfluxDB, create dynamic dashboards, and set up email alerts for proactive monitoring. The course emphasizes real-world applications, including monitoring server health, managing users and roles, and creating advanced visualizations. Attendees will leave with a robust skill set for deploying and managing Grafana in different environments.

Target Audience:

- IT Managers
- System Administrators
- DevOps Engineers
- Data Analysts
- Cloud Engineers

Targeted Organizational Departments:

- IT Department
- Network Operations Center NOC
- Data Management and Analytics
- Cloud Operations
- Infrastructure Management

Targeted Industries:

- Information Technology
- Telecommunications
- Healthcare
- Financial Services
- Cloud Service Providers

Course Offerings:

By the end of this course, participants will be able to:

- Understand Grafana architecture and its user interface
- Install Grafana on Linux, Windows, and Docker environments
- Set up Prometheus and integrate it with Grafana
- Create and manage Grafana dashboards, including dynamic variables
- Configure InfluxDB as a datasource for Grafana
- Monitor servers, websites, and Docker services using Grafana
- Use advanced Grafana visualizations for better insights
- Manage users and roles within Grafana

Training Methodology:

This training course combines theory with hands-on exercises, including case studies, interactive sessions, and simulations to teach the application of Grafana in various environments. It covers practical labs for installing Grafana on Linux and Docker, building dashboards, and integrating data sources like Prometheus and InfluxDB. Group activities focus on creating effective visualizations and monitoring solutions, with feedback sessions tailored to participants' learning pace and challenges. This approach fosters a complete understanding of Grafana's capabilities in different use cases.

Course Toolbox:

- Course ebook
- Datasource configuration guides for Prometheus and InfluxDB
- Step-by-step setup instructions for Grafana plugins and integrations
- Online resources and cheat sheets for Grafana commands and queries
- Templates for common Grafana dashboards and reports

Course Agenda:

Day 1: Introduction to Grafana and Setup

- Grafana Overview and Key Features Topic 1:
- Understanding Grafana Architecture Topic 2:
- Navigating the Grafana User Interface Topic 3:
- Installing Grafana on Linux and Windows Topic 4:
- Managing Grafana Services Start, Stop, Restart Topic 5:
- Setting Up Grafana on Docker Topic 6:
- Review of Installation and Basic Interface Navigation Reflection & Review:



Day 2: Data Integration and Server Monitoring

- Basics of Prometheus Integration with Grafana Topic 1: •
- Installing and Managing Prometheus for Grafana Topic 2: •
- Setting Up Node Exporter for Server Metrics Topic 3: •
- Creating Basic Server Monitoring Dashboards Topic 4: •
- Using Telegraf as a Data Collector Topic 5: •
- InfluxDB as a Datasource for Grafana Topic 6: •
- Challenges and Best Practices in Data Integration Reflection & Review: •

Day 3: Advanced Dashboard Creation and Visualization

- Building Custom Grafana Dashboards for Data Analysis Topic 1: •
- Using Variables for Dynamic Dashboard Management Topic 2: •
- Graph Panel Setup for CPU and Memory Utilization Monitoring Topic 3: •
- Canvas Panel: Running Automation Jobs and Custom Diagrams Topic 4: •
- Advanced Visualization Techniques: Thresholds, Legends, and Series Overrides Topic 5: •
- Creating MySQL-Based Dashboards with Custom SQL Queries Topic 6: •
- Enhancing Visualization Techniques and Dashboard Customization Reflection & Review: •

Day 4: Alerting, Plugins, and Website Monitoring

- Installing and Managing Grafana Plugins Topic 1: •
- Setting Up Email Alerts and Configuring Notifications Topic 2: •
- Creating Alerts and Annotations in Grafana Dashboards Topic 3: •
- Monitoring Websites and URLs Using Grafana Topic 4: •
- Docker Services Monitoring with Grafana Topic 5: •
- Automating Reports and Visualizations in Grafana Topic 6: •
- Effective Use of Alerts and Integrations in Grafana Reflection & Review: •

Day 5: User Management, Security, and Optimization

- Managing Users and Roles in Grafana Topic 1: •
- Role-Based Access Control RBAC in Grafana Topic 2: •
- Optimizing Grafana Dashboards for Performance Topic 3: •
- Python Integration for Data Analysis and Custom Scripts Topic 4: •
- Advanced Tabular Visualization and Gauge Setup Topic 5: •
- Best Practices for Long-Term Grafana Management and Maintenance Topic 6: •
- Course Wrap-Up, Final Q&A, and Next Steps Reflection & Review: •

How This Course is Different from Other Grafana Training Courses:

This course focuses on real-world applications and provides hands-on training covering basic setup, advanced integration with data sources, and specialized sessions on using Grafana for Docker monitoring and integrating Python for custom analysis. Participants receive personalized guidance on creating dashboards, configuring alerts, and managing users and roles. The emphasis on practical labs ensures that attendees develop the skills needed to deploy and manage Grafana in dynamic environments, making it an ideal choice for professionals looking to master Grafana quickly.



فئات الدورات التدريبية



HR TRAINING & DEVELOPMENT

دورات إدارة و تطوير الموارد البشرية



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دورات إدارة الجودة وتطوير العمليات



الدورات التدريبية في مجال البيئة والاستدامة



دورات التسويق وإدارة علاقات العملاء وإدارة المبيعات



دورات التدريب القانوني والمشتريات والتعاقدات



دورات الاتصال الجماهيري و السياسات والعلاقات العامة



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AGILE LEADERS
Training Center

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دورات معتمدة من قبل هيئات دولية



دورات في مجالات القيادة والإدارة



دورات المهارات الشخصية وتطوير الذات



دورات المحاسبة و التمويل و دورات الإدارة
المالية



دورات مكتب إدارة المشاريع وإدارة المشاريع
الرشيقية

مدن التدريب



اسطنبول - تركيا



أمستردام - هولندا



أنقرة - تركيا



أثينا - اليونان



الرياض - المملكة العربية السعودية



الدوحة - قطر



الدار البيضاء - المغرب



الجبيل - المملكة العربية السعودية



باريس - فرنسا



المنامة - مملكة البحرين



الكويت - الكويت



القاهرة - مصر



براغ - جمهورية التشيك



بانكوك - تايلاند



بالي - جمهورية إندونيسيا



باكو - أذربيجان

مدن التدريب



جاكرتا - جمهورية اندونيسيا



تيليسي - جورجيا



بوكيت - تايلاند



برشلونة - اسبانيا



روما - ايطاليا



دبي - الامارات العربية المتحدة



جوهانسبرغ - جنوب افريقيا



جنيف - سويسرا



شرم الشيخ - مصر



سيول - كوريا الجنوبية



سان دييغو - الولايات المتحدة
الامريكية



زنجار - تنزانيا



طوكيو - اليابان



طشقند - اوزبكستان



طرابزون - تركيا



شيكاغو - الولايات المتحدة
الامريكية

مدن التدريب



كوالالمبور - ماليزيا



فيينا - النمسا



عن بعد - منصة زووم



عمان - المملكة الأردنية الهاشمية



ماربيا - اسبانيا



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مونترنو - سويسرا



مسقط - سلطنة عمان



مدريد - إسبانيا



نيس - فرنسا



نيروبي - كينيا



ميونخ - ألمانيا

WHO WE ARE

Agile Leaders is a renowned training center with a team of experienced experts in vocational training and development. With 20 years of industry experience, we are committed to helping executives and managers replace traditional practices with more effective and agile approaches.

OUR VISION

We aspire to be the top choice training provider for organizations seeking to embrace agile business practices. As we progress towards our vision, our focus becomes increasingly customer-centric and agile.

OUR MISSION

We are dedicated to developing value-adding, customer-centric agile training courses that deliver a clear return on investment. Guided by our core agile values, we ensure our training is actionable and impactful.

WHAT DO WE OFFER

At Agile Leaders, we offer agile, bite-sized training courses that provide a real-life return on investment. Our courses focus on enhancing knowledge, improving skills, and changing attitudes. We achieve this through engaging and interactive training techniques, including Q&As, live discussions, games, and puzzles.



AGILE LEADERS
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