

Design and Implement Platform Engineering (AZ-2010)

Duration: 1 day

Audience: Professionnel TI

Who is this training for?

This course is designed for professionals involved in platform engineering, including software engineers, DevOps practitioners, IT architects, and technical leaders. It is also suitable for individuals responsible for designing, implementing, and managing platform solutions within their organizations. The target audience includes Software Engineers and Developers, DevOps Practitioners, IT Architects, Technical Leaders and Managers, Platform Engineers and Security and Compliance Professionals.

Training objectives

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

- Understand the importance of platform engineering in enhancing developer productivity and accelerating time-to-value.
- Learn how to design and build integrated platforms that optimize the developer experience and streamline development efforts.
- Explore the role of platform engineering in driving digital transformation within an enterprise.
- Recognize the strategic value of platform engineering as the foundation for both technical success and alignment with broader business goals.
- Identify key stakeholders in platform engineering and understand their distinct expectations and requirements

Summary

This course provides a comprehensive guide to designing and implementing platform engineering within modern enterprises. It covers the foundational principles, strategic alignment with business goals, and the practical aspects of building scalable, secure, and future-proof platforms. By taking

this course, learners will gain the knowledge and skills needed to enhance developer productivity, ensure operational excellence, and drive continuous innovation.

Course outline

Learning Path 1: Design and Implement Platform Engineering

- Module 1: Foundations of Platform Engineering
- Module 2: Design Secure and Scalable Platform Architectures
- Module 3: Implement Developer Self-Service
- Module 4: Observability and Continuous Improvement
- Module 5: Strategic Platform Road Mapping

Approach and methodology

Practical and structured approach combining focused theory and guided workshops. Participants gradually discover how to design and manage analytics solutions with Power BI through hands-on exercises inspired by real-world business scenarios, promoting immediate application of the learnings.

They learn how to prepare and model data, create impactful visualizations, develop interactive reports and dashboards, and apply analytical techniques to support data-driven decision-making.

Led by a Microsoft Certified Trainer (MCT), the training emphasizes interactivity and the development of practical, transferable skills for effectively using Power BI in a professional environment.

Prerequisites

Students should have the following knowledge and experience before attending this course:

- Cloud computing concepts include understanding PaaS, SaaS, and IaaS implementations.
- Azure administration and Azure development with proven expertise in at least one of these areas.
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Intermediate to advanced DevOps concepts, including version control, Agile software development, and core software development principles. It would be helpful to have experience in an organization that delivers software

Recommendations

- Prior knowledge of cloud computing concepts, including PaaS, SaaS, and IaaS implementations.
- Experience in Azure administration and Azure development with proven expertise in at least one of these areas.
- Proficiency in intermediate to advanced DevOps concepts, including version control, Agile software development, and software development fundamentals.
- Experience in a software delivery organization is an asset.

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