凱風電腦有限公司 |Gallant Computer Company Ltd.
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AZ-400T07-A: Designing a DevOps Strategy

OBJECTIVE

This course provides the knowledge and skills to design a DevOps strategy. Students will learn how to plan for transformation, select a project, and create team structures. Students will also learn how to develop quality and security strategies. Planning for migrating and consolidating artifacts and source control will also be covered.

COURSE TOPICS

Module 1: Planning for DevOps

In this module, students will learn about transformation planning, project selection, and team structures.

Lessons

- Transformation Planning
- Project Selection
- Team Structures

After completing this module students will be able to:

- Plan for the transformation with shared goals and timelines
- Select a project and identify project metrics and KPIs
- Create a team and agile organizational structure

Module 2: Planning for Quality and Security

In this module, students will learn about developing a quality strategy and planning for secure development.

Lessons

- Planning a Quality Strategy
- Planning Secure Development

After completing the module, students will be able to:

- Develop a project quality strategy
- Plan for secure development practices and compliance rules.

Module 3: Migrating and Consolidating Artifacts and Tools

In this module, students will learn about migrating and consolidating artifacts, and migrating and integrating source control measures.

Lessons

- Migrating and Consolidating Artifacts
- Migrating and Integrating Source Control

After completing this module, students will be able to:

- Migrate and consolidate artifacts
- Migrate and integrate source control measures

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PREREQUISITES

- Fundamental knowledge about Azure, version control, Agile software development, and core software development principles. It would be helpful to have experience in an organization that delivers software.

- Also, it is recommended that you have experience working in an IDE, as well as some knowledge of the Azure portal. However, students who may not have a technical background in these technologies, but who are curious about DevOps practices as a culture shift, should be able to follow the procedural and expository explanations of continuous integration regardless.

TRAINING APPROACH

This course includes lectures, course notes, exercises and hands-on practice.

COURSE DURATION

Bundle course in 4 days

Time: 9:00am to 6:00pm

Lunch Time: 1:00pm to 2:00pm

CERTIFICATION COMPLETION

A certificate of completion is provided for all trainees attending the course.

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