Planing for DevOps

HELLO!

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Transformation Planning

What is DevOps

- DevOps is the union of people, process, and products to enable continuous delivery of value to our end users.
- DevOps is a continuous journey

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Project Selection

Choosing Greenfield and Brownfield Projects

- When starting a DevOps transformation, you might need to choose between Greenfield and Brownfield projects.
- There is a common misconception that DevOps suits Greenfield projects better than Brownfield projects, but this is not the case.

Greenfield Projects

- Always appears to be an easier starting point.
- Because a blank state offers the chance to implement everything the way that you want.

Brownfield Projects

- Comes with the baggage of existing code bases, existing teams, and often a great amount of technical debt
- Spending time maintaining existing Brownfield applications, limits the ability to work on new code

3

Team Structures

Agile Development Practices Defined

- Waterfall approach
- Agile approach

Principles of Agile Development

1. Satisfy the customer
2. Welcome changing requirements
3. Deliver working software frequently
4. Work together throughout the project
5. Build projects around motivated individuals
6. Use face-to-face conversation

Principles of Agile Development

7. Measure progress through working software

8. Agile processes promote sustainable development

9. Continuous attention to technical excellence and good design

10. Simplicity--the art of maximizing the amount of work not done

11. Use self-organizing teams

12. Reflect on how to become more effective

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Migrating to Azure DevOps

What can Azure Devops do?

- Azure Boards
- Azure Pipelines
- Azure Repos
- Azure Artifacts
- Azure Test Plans

What if we are not a Microsoft / dotnet organization

- Flexible
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Migrating or Integrating Existing Work Management Tools

- Trello integration tooling
- Solidify

Migrating or Integrating ExistingTest Management Tools

- Apache Jmeter
- Pester
- SoapUI

THANKS!

Any questions?
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Microsoft Docs