

Overview

DevOps covers the competencies required to develop digital services using appropriate software development methods in which requirements and solutions evolve through collaboration between self-organizing, cross-functional teams. The DevOps approach emphasises; collaboration, automation, lean, measurement and sharing.

The specific goals of a DevOps approach span the entire delivery pipeline. They include improved deployment frequency, which can lead to faster time to market, lower failure rate of new releases, shortened lead time between fixes, and faster time to recovery.

This standard covers the competencies needed to lead professionals and managers working in DevOps roles and is primarily focussed on coordinating the organisations rapid development and delivery capability using DevOps.

Performance criteria

You must be able to:

1. direct all aspects of rapid digital delivery activities using DevOps to ensure consistent, reliable and secure operations
2. develop the DevOps strategy for rapid delivery to meet organisational requirements
3. determine the resources needed to deliver the organisation's DevOps strategy
4. define the business case for investment in the DevOps function in line with organisational requirements
5. provide thought leadership on the discipline of DevOps rapid delivery, representing the organisation internally and externally on matters relating to DevOps strategy
6. drive DevOps innovation across the organisation to improve organisational performance of digital services
7. manage DevOps-related risks and issues that have been escalated to mitigate their business impact
8. implement a continuous quality improvement programme for DevOps activities
9. champion a culture of continuous improvement in DevOps activities to support changing business requirements

Knowledge and understanding

You need to know and understand:

1. the DevOps strategies that are required to meet organisational needs
2. how to develop strategy, policies, plans, processes, procedures and standards relating to DevOps
3. how to improve business performance through DevOps operations
4. the internal and external factors driving digital product and service delivery requirements and how to address them
5. the external factors that may impact on DevOps activities and how to identify them
6. how to manage the relationships with internal stakeholders and external bodies involved in rapid delivery using DevOps
7. how to coordinate resources for DevOps operations
8. how to implement standards relating to information DevOps rapid delivery
9. the impact of integration of digital services and products on the organisation
10. the risks to the organisation which can arise from poor quality DevOps implementation and how to mitigate them
11. contemporary DevOps issues and best practice
12. how to apply continuous improvement to DevOps activities

Lead DevOps activities

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