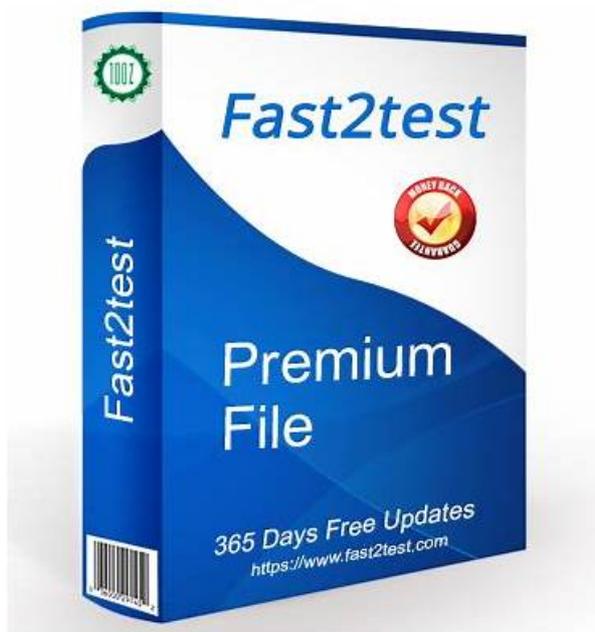


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## Peoplecert DevOps-Foundation Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> <li>Automation, Architecting DevOps Toolchains: This section of the exam measures the skills of IT operations specialists and covers key automation principles within the DevOps toolchain. It focuses on CI</li> <li>CD pipelines, Infrastructure as Code, containerisation, cloud-native architecture, platform engineering, and emerging technologies like Machine Learning and Generative AI in DevOps contexts.</li> </ul>
Topic 2	<ul style="list-style-type: none"> <li>Core DevOps Principles: This section of the exam measures the skills of IT operations specialists and covers essential DevOps principles such as the Three Ways, the Theory of Constraints, and Chaos Engineering. It also introduces the concept of learning organisations, showing how systemic thinking supports continuous improvement.</li> </ul>

Topic 3	<ul style="list-style-type: none"> <li>• <b>Sharing, Shadowing and Evolving:</b> This section of the exam measures the skills of IT operations specialists and covers the collaborative and adaptive elements of DevOps in enterprise settings. It explores leadership, typical barriers and risks, and outlines how organisations can evolve their DevOps practices through continuous learning, peer shadowing, and experience-based transformation.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>• <b>Business and Technology Frameworks:</b> This section of the exam measures the skills of IT operations specialists and covers various supporting frameworks that intersect with DevOps. These include Agile and Lean, IT Service Management, Value Stream Management, Site Reliability Engineering, Safety Culture, Learning Organisations, and Continuous Funding models that enable long-term adaptability.</li> </ul>
Topic 5	<ul style="list-style-type: none"> <li>• <b>Exploring DevOps:</b> This section of the exam measures the skills of DevOps engineers and covers the foundations of DevOps, including its emergence as a critical discipline in the digital era. It introduces learners to the basic purpose, evolution, and significance of DevOps in modern software and infrastructure environments.</li> </ul>

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## Peoplecert PeopleCert DevOps Foundationv3.6Exam Sample Questions (Q75-Q80):

### NEW QUESTION # 75

The last release of a critical application contained an error that significantly impacted the business. While the error was detected immediately after release, the situation was not resolved in a timely manner. During the retrospective, it was identified that many of the delays were the result of poor communication and collaboration between development and operational teams.

What steps could the IT organization take to improve its response and resolution in the future?

- **A. Implement chat platforms for faster access and collaboration**
- B. Use social media to communicate between teams
- C. Introduce self-help tools to empower users to solve their own problems
- D. Increase the number of people that are alerted when an error occurs

**Answer: A**

Explanation:

Poor communication and collaboration slow incident resolution. DevOps emphasizes fast, transparent communication channels between Dev, Ops, and other stakeholders. Implementing chat platforms (e.g., Slack, Microsoft Teams) that integrate with monitoring, alerting, and deployment tools enables:

- \* Real-time collaboration across geographically distributed teams
- \* Immediate sharing of incident context and system data
- \* Faster decision-making and coordinated action

A (alerting more people) risks causing noise without improving targeted response. B (social media) is not secure or appropriate for enterprise incident management. C (self-help tools) benefits end-users but does not address Dev-Ops collaboration.

Thus, D provides the most direct and effective improvement in communication for faster incident resolution.

References:

PeopleCert DevOps Foundation v3.6 - Collaboration and Tooling  
The DevOps Handbook- ChatOps and Incident Management

### NEW QUESTION # 76

An organization is considering introducing Continuous Integration to their software development. What would be the PRIMARY benefit of this approach?

- A. Commits can be tested together in order to detect and remediate errors before they go into production
- B. Continuous integration will push more changes into real-time quickly
- C. Continuous integration allows more developers to work on the same product simultaneously
- D. Continuous integration will require the creation of a version control repository

**Answer: A**

Explanation:

Continuous Integration (CI) is the practice of frequently merging small code changes into a shared repository, followed by automated builds and tests. The primary benefit is early detection and resolution of integration issues. When commits are tested together continuously, defects are caught soon after introduction, reducing the cost and complexity of fixing them.

While B (more developers can work together) is a side effect, it is not the primary goal. C (pushing changes quickly) is more related to Continuous Delivery or Continuous Deployment. D (version control) is a prerequisite for CI, not the main benefit.

Therefore, A correctly captures the primary benefit—finding and fixing issues early before they reach production.

References:

PeopleCert DevOps Foundation v3.6 - Continuous Integration Concepts

The DevOps Handbook- Part II: Continuous Delivery Principles

Accelerate- Impact of CI on Performance

### NEW QUESTION # 77

Updates to a complex critical business service are released every calendar quarter. The business would like to increase the frequency of releases for this service.

Why would segmenting the service into microservices help to improve the frequency of release?

- A. Microservices can be built quickly to correct or remove errors in the primary system
- B. Microservices create a service architecture built on smaller modules that can be updated independently without affecting the primary system
- C. Microservices are less expensive and therefore can be built and released more frequently
- D. Microservices are always open source so they can be modified frequently to meet business requirements

**Answer: B**

Explanation:

Microservices architecture breaks down applications into small, independent, loosely coupled services that can be developed, tested, and deployed independently.

\* Why does this improve release frequency? Each microservice can be updated, tested, and deployed on its own, reducing the risk and coordination overhead associated with monolithic releases.

\* This allows for faster feedback and more frequent delivery of value to users.

Extract-style reference:

"Microservices enable teams to deploy independently, reduce deployment risk, and increase release frequency by decoupling services."

-Accelerate: The Science of Lean Software and DevOps, Chapter 4

PeopleCert DevOps Foundation v3.6: Stresses modular architectures for enabling rapid, independent deployments and continuous delivery.

### NEW QUESTION # 78

An organization is architecting a DevOps toolchain that includes products from both open source and proprietary software providers.

Which of the following is necessary for applications within the toolchain to connect efficiently and effectively?

- A. Containers
- B. Open source applications
- C. Microservices
- D. Application Programming Interfaces

**Answer: D**

Explanation:

A DevOps toolchain is an integrated set of tools that supports the entire software delivery lifecycle—planning, coding, building, testing, releasing, deploying, operating, and monitoring. Regardless of whether tools are open source or proprietary, their ability to work together depends on Application Programming Interfaces (APIs).

APIs define how different software components communicate and exchange data. In a DevOps context, APIs enable:

- \* Automation by allowing tools to trigger actions in other tools
- \* Data flow between systems (e.g., CI pipelines updating ticketing systems)
- \* Integration across heterogeneous environments

A (open source applications) is about licensing, not integration. B (containers) package and run applications consistently but do not inherently integrate tools. D (microservices) is an architectural style for applications, not the integration mechanism between delivery tools.

Therefore, C—APIs—are essential for efficient, effective toolchain integration.

References:

PeopleCert DevOps Foundation v3.6 - Toolchain Integration Principles

The DevOps Handbook- APIs as Integration Enablers

### NEW QUESTION # 79

The CIO of an online retailer is excited about the potential of DevOps for her organization. She tells her managers that she wants DevOps to be fully implemented by the end of the year. Last year, she mandated the same approach for agile software development. When the managers share this information with their teams, they are met with apathy and passive resignation. The staff is tired of the frequent changes in direction.

What can the managers do to encourage their teams to be more enthusiastic about DevOps?

- A. Establish and publish goals and metrics for DevOps success
- B. Reorganize the department's structure to remove silos and create DevOps teams
- **C. Empower people to participate and contribute their knowledge and ideas**
- D. Architect a DevOps toolchain that will demonstrate the value of more automation

**Answer: C**

Explanation:

When teams have experienced frequent top-down mandates without adequate involvement, they may feel change fatigue and resist new initiatives. PeopleCert DevOps Foundation v3.6 emphasizes the importance of engagement and empowerment to build buy-in and ownership for DevOps transformation.

Empowering people means involving them in decisions, encouraging contribution of their ideas, and making them active participants in shaping the DevOps adoption plan. This approach builds trust, reduces resistance, and taps into collective knowledge, leading to solutions that are practical and widely accepted.

Options A, B, and C can support DevOps adoption but do not address the root cause of low enthusiasm—lack of involvement.

Empowerment fosters intrinsic motivation, which is essential for sustained cultural change.

Thus, D is the most effective choice.

References:

PeopleCert DevOps Foundation v3.6 - Culture and Engagement

The DevOps Handbook- Building a Culture of Trust and Collaboration

### NEW QUESTION # 80

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