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SAFe-DevOps Practitioner SDP 6.0

SDP (6.0) - SAFe DevOps Practitioner

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Question: 725

How can teams ensure that they accurately capture diverse customer needs?

A. Limiting feedback to a single customer segment
B. Engaging a broad range of stakeholders
C. Focusing only on quantitative data
D. Conducting interviews sporadically

Answer: B

Explanation: Engaging a broad range of stakeholders ensures that diverse customer needs are captured, allowing for a more comprehensive understanding of requirements.

Question: 726
The CALMR approach in SAFe 6 DevOps stands for:

A. Continuous Delivery, Automate Everything, Lean Thinking, Measure Performance, and Recover Quickly
B. Continuous Delivery, Amplify Feedback, Lean Thinking, Measure Performance, and Respond to Change
C. Continuous Integration, Automate Everything, Lean Management, Measure Performance, and Respond to Change
D. Continuous Deployment, Amplify Feedback Loops, Lean Thinking, Measure Performance, and Recover Quickly

Answer: B

Explanation: The CALMR approach in SAFe 6 DevOps stands for Continuous Delivery, Amplify Feedback Loops, Lean Thinking, Measure Performance, and Respond to Change.

Question: 727

In a Continuous Delivery Pipeline, what role does automated testing play?

A. It is optional and only for large projects
B. It ensures that code changes do not introduce new defects
C. It eliminates the need for any manual testing
D. It only tests performance issues

Answer: B

Explanation: Automated testing plays a crucial role in ensuring that code changes do not introduce new defects, providing immediate feedback to developers and maintaining software quality throughout the pipeline.

Question: 728

What is the primary purpose of the Continuous Deployment (CD) competency in the SAFe DevOps model?

A. To ensure that all software changes are thoroughly tested before deployment
B. To enable the automated deployment of software to production

environments
C. To provide visibility and traceability into the software delivery pipeline
D. To facilitate collaboration and communication among cross-functional teams

Answer: B

Explanation: The Continuous Deployment (CD) competency in the SAFe DevOps model is focused on enabling the automated deployment of software to production environments. This includes the use of practices such as infrastructure as code, automated testing, and deployment pipelines to streamline the delivery of software updates. The goal of CD is to reduce manual intervention and human error, while ensuring a reliable and repeatable deployment process.

Question: 729

What is the role of a "release manager" in the Continuous Delivery Pipeline?

A. To develop code
B. To oversee the deployment process and ensure smooth releases
C. To test applications manually
D. To manage project finances

Answer: B

Explanation: The role of a "release manager" is to oversee the deployment process and ensure smooth releases, coordinating efforts among development, operations, and quality assurance teams.

Question: 730

How can teams effectively learn from user feedback?

A. By dismissing negative comments
B. By analyzing feedback for trends and actionable insights
C. By only focusing on positive feedback
D. By ignoring feedback until the next release

Answer: B

Explanation: Analyzing feedback for trends and actionable insights allows teams to effectively learn from user feedback, guiding improvements to the solution based on real user experiences.

Question: 731

Which "Lean" principle is most directly supported by the DevOps practice of "Chaos Engineering"?

A. Amplify Learning
B. Defer Commitment
C. Build in Quality
D. Eliminate Waste

Answer: A

Explanation: The "Lean" principle of "Amplify Learning" is most directly supported by the DevOps practice of "Chaos Engineering". By deliberately introducing controlled failures and disruptions in the production environment, Chaos Engineering helps teams learn about the resilience and robustness of

their systems, allowing them to continuously improve and adapt, which aligns with the "Lean" focus on experimentation and feedback.

Question: 732

Which two elements contribute to a culture of continuous improvement in a DevOps team? (Choose two.)

A. Retrospectives
B. Blame culture
C. Open communication
D. Resistance to change

Answer: A, C

Explanation: Retrospectives and open communication contribute to a culture of continuous improvement by facilitating reflection on past performance and encouraging team members to share insights and suggestions.

Question: 733
What is the role of 'Version Control' in the context of DevOps?

A. To prevent any changes to the code
B. To manage and track changes to code over time
C. To eliminate the need for testing
D. To increase the complexity of code management

Answer: B

Explanation: Version control is essential in DevOps for managing and tracking changes to code, facilitating collaboration and reducing the risk of conflicts.

Question: 734

Which DevOps competency emphasizes the importance of creating a culture of continuous learning and improvement?

A. Continuous Monitoring
B. Continuous Improvement
C. Continuous Deployment
D. Continuous Exploration

Answer: B

Explanation: The DevOps Continuous Improvement (CI) competency emphasizes the importance of creating a culture of continuous learning and improvement. This involves activities such as measuring and analyzing performance, identifying areas for improvement, and implementing changes to enhance the software delivery process.

Question: 735

What is the primary purpose of the "Shift Left on Quality" principle in DevOps?

A. To move testing activities earlier in the software development lifecycle
B. To move security activities earlier in the software development lifecycle
C. To move deployment activities earlier in the software development lifecycle

D. Both A and B

Answer: D

Explanation: The "Shift Left on Quality" principle in DevOps emphasizes the importance of moving both testing and security activities earlier in the software development lifecycle, in order to find and fix issues sooner.

Question: 736
In a DevOps context, what does the term "technical debt" refer to?

A. The amount of code that needs to be written
B. The cost of maintaining legacy systems
C. Shortcuts taken in code that can lead to future problems
D. The budget allocated for development

Answer: C

Explanation: Technical debt refers to the implied cost of additional rework caused by choosing an easy solution now instead of a better approach that would take longer.

Question: 737

What is a common challenge faced when staging a solution for deployment?

A. Ensuring all features are completed
B. Managing dependencies and integration points
C. Limiting customer involvement

D. Ignoring user feedback

Answer: B

Explanation: Managing dependencies and integration points is a common challenge when staging a solution for deployment, as it requires careful coordination to ensure all components work together seamlessly.

Question: 738

Which DevOps competency focuses on automating the end-to-end software delivery process?

A. Continuous Monitoring
B. Continuous Deployment
C. Continuous Exploration
D. Continuous Integration

Answer: B

Explanation: The DevOps Continuous Deployment (CD) competency focuses on automating the end-to-end software delivery process, from code commit to deployment in production. This involves practices like automated build, test, and deployment, which enable the rapid and reliable delivery of software changes.

Question: 739

What is the primary goal of a blameless post-mortem in a DevOps culture?

A. To assign fault for incidents
B. To learn from failures and improve processes
C. To ignore user impact
D. To focus solely on technical issues

Answer: B

Explanation: The primary goal of a blameless post-mortem is to learn from failures and improve processes without assigning fault, fostering a culture of continuous improvement and psychological safety.

Question: 740
Which of the following practices is critical for enabling continuous feedback in a DevOps pipeline?

A. Monthly stakeholder meetings
B. Automated testing and monitoring
C. Manual code reviews
D. Isolated team environments

Answer: B

Explanation: Automated testing and monitoring are critical for enabling continuous feedback, allowing teams to receive immediate insights into application performance and quality.

Question: 741

What is the primary objective of the "Continuous Exploration" step in the SAFe DevOps lifecycle?

A. To rapidly experiment and validate new ideas and features with customers
B. To automate the process of integrating and building new code changes
C. To automatically deploy new functionality to production
D. To continuously monitor and optimize the application's performance

Answer: A

Explanation: The primary objective of the "Continuous Exploration" step in the SAFe DevOps lifecycle is to rapidly experiment and validate new ideas and features with customers. This step focuses on continuously gathering customer feedback and using techniques like A/B testing and feature flags to explore and validate new product ideas.

Question: 742

What is a common mistake teams make when initially mapping their value stream?

A. Engaging too many stakeholders
B. Overlooking important metrics
C. Focusing too much on high-level processes
D. Ignoring customer feedback

Answer: D

Explanation: A common mistake is ignoring customer feedback, which is crucial for ensuring that the value stream aligns with customer needs and expectations.

Question: 743

What is the primary goal of the DevOps Continuous Improvement (CI) competency?

A. Continuously identify customer needs
B. Create a culture of shared responsibility and collaboration
C. Automate the provisioning and configuration of infrastructure resources
D. Continuously monitor the health and performance of the production environment

Answer: B

Explanation: The primary goal of the DevOps Continuous Improvement (CI) competency is to create a culture of shared responsibility and collaboration. This involves fostering a mindset of continuous learning, experimentation, and improvement, where everyone in the organization is empowered to identify and address issues in the software delivery process.

Question: 744
How can a team assess the effectiveness of their Value Stream Mapping efforts?

A. By measuring employee satisfaction only
B. By tracking improvements in lead time and cycle time
C. By focusing solely on code quality
D. By increasing the number of features developed

Answer: B

Explanation: A team can assess the effectiveness of their Value Stream Mapping efforts by tracking improvements in lead time and cycle time, which reflect the efficiency of the processes.

Question: 745

What is the primary purpose of the Continuous Exploration (CE) dimension in the SAFe DevOps Model?

A. To ensure continuous delivery of software artifacts
B. To enable continuous integration of code changes
C. To facilitate continuous discovery of customer needs
D. To support continuous monitoring of production systems

Answer: C

Explanation: The primary purpose of the Continuous Exploration (CE) dimension in the SAFe DevOps Model is to facilitate continuous discovery of customer needs. This involves activities such as market research, user interviews, and usability testing to continuously gather customer feedback and insights, which can then be used to drive the development of new features and products.

Question: 746
Which of the following is a common challenge in scaling DevOps practices across multiple teams?

A. Clear communication
B. Standardization of tools and practices
C. Increased collaboration
D. Improved deployment speed

Answer: B

Explanation: Standardizing tools and practices across multiple teams can be challenging but is essential for scaling DevOps effectively.

Question: 747

In the context of continuous delivery, what is the role of automated testing?

A. To replace manual testing entirely
B. To ensure rapid feedback and higher quality releases
C. To limit the number of tests conducted
D. To complicate the deployment process

Answer: B

Explanation: Automated testing plays a crucial role in continuous delivery by ensuring rapid feedback and higher quality releases, allowing teams to identify issues quickly.

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