

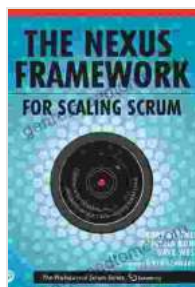
Continuously Delivering an Integrated Product with Multiple Scrum Teams: A Comprehensive Guide

Continuous delivery is a software development practice that enables teams to deliver new features and updates to users more frequently and efficiently. By automating the build, test, and deployment processes, continuous delivery can help teams reduce lead times, improve quality, and respond faster to customer feedback.

When multiple Scrum teams are working on the same product, it can be challenging to coordinate their efforts and ensure that the product is delivered in a timely and integrated manner. This guide will provide you with the strategies and best practices needed to achieve continuous delivery with multiple Scrum teams.

1. Establish a Single Product Vision and Roadmap

The first step to achieving continuous delivery with multiple Scrum teams is establishing a single product vision and roadmap. This will provide a clear understanding of the product's goals and priorities, and will help to align the efforts of all of the teams involved.



Nexus Framework for Scaling Scrum, The: Continuously Delivering an Integrated Product with Multiple Scrum Teams (The Professional Scrum Series)

by Kurt Bittner

★★★★☆ 4.5 out of 5

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The product vision should be created by the product owner, in collaboration with the stakeholders. The product roadmap should be created by the team, and it should be updated regularly to reflect the latest feedback from the product owner and the stakeholders.

2. Implement a Common Development Process

All of the teams involved in delivering the product should use the same development process. This will help to ensure that the product is developed consistently, and that all of the teams are working towards the same goals.

The development process should be documented in the team's wiki or other accessible location. It should include the following:

- The team's development workflow
- The team's testing process
- The team's deployment process

3. Automate the Build, Test, and Deployment Processes

To achieve continuous delivery, it is important to automate the build, test, and deployment processes. This will free up the teams to focus on developing new features and delivering value to the customer.

There are a number of tools available to help you automate the build, test, and deployment processes. Some of the most popular tools include:

- Jenkins
- Bamboo
- Travis CI
- CircleCI

4. Use a Continuous Integration Server

A continuous integration server is a tool that automatically builds and tests your code every time a change is made. This helps to ensure that the code is always in a buildable and testable state.

There are a number of continuous integration servers available, including:

- Jenkins
- Bamboo
- Travis CI
- CircleCI

5. Use a Feature Branching Strategy

A feature branching strategy is a branching strategy in which each new feature is developed on a separate branch. This helps to isolate the changes for each feature, and it makes it easier to merge the changes back into the main branch.

There are a number of feature branching strategies available, including:

- Trunk-based development
- Gitflow
- GitHub Flow

6. Use a Test-Driven Development Approach

Test-driven development (TDD) is a software development approach in which the tests are written before the code. This helps to ensure that the code is designed to be testable and reliable.

There are a number of TDD frameworks available, including:

- JUnit
- NUnit
- Pytest

7. Establish Clear Communication and Coordination Channels

It is important to establish clear communication and coordination channels between the different Scrum teams involved in delivering the product. This will help to ensure that the teams are working together effectively and that everyone is aware of the latest changes.

Some of the most effective communication and coordination channels include:

- Daily stand-up meetings
- Weekly team retrospectives

- Sprint planning meetings
- Product backlog refinement sessions

8. Use a Kanban Board to Visualize the Workflow

A Kanban board is a visual representation of the team's workflow. It helps the team to track the progress of their work and to identify any potential bottlenecks.

There are a number of Kanban board tools available, including:

- Trello
- Jira
- Asana

9. Monitor the Product's Quality and Performance

It is important to monitor the product's quality and performance continuously. This will help you to identify any potential issues early on and to take corrective action.

There are a number of tools available to help you monitor the product's quality and performance, including:

- New Relic
- AppDynamics
- Sumo Logic

10. Continuously Improve the Process

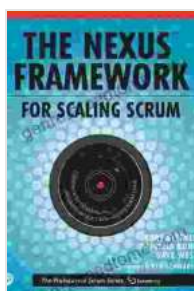
The continuous delivery process should be continuously improved. This will help you to identify and eliminate any inefficiencies, and to deliver the product to the customer more quickly and efficiently.

Some of the ways to continuously improve the continuous delivery process include:

- Automating more of the process
- Streamlining the communication and coordination channels
- Improving the testing process
- Improving the deployment process

Continuous delivery with multiple Scrum teams can be challenging, but it is achievable with the right strategies and best practices. By following the advice in this guide, you can improve your team's collaboration, streamline your processes, and deliver exceptional value to your customers.

- [Continuous Delivery with Multiple Scrum Teams](#)
- [How to Do Continuous Delivery with Multiple Scrum Teams](#)
- [The Ultimate Guide to Continuous Delivery with Multiple Scrum Teams](#)



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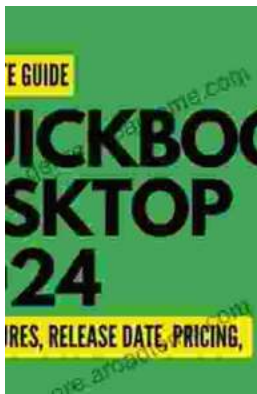
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