

Discover a Better Approach to Building, Testing, and Packaging Your Software

This guide will help you learn about a better approach to building, testing, and packaging your software. This approach is based on the principles of agile development and DevOps, and it can help you to deliver higher-quality software faster and more efficiently.



Modern CMake for C++: Discover a better approach to building, testing, and packaging your software

by Rafał Świdziński

★★★★☆ 4.7 out of 5

Language : English
File size : 12781 KB
Text-to-Speech : Enabled
Screen Reader : Supported
Enhanced typesetting : Enabled
Print length : 460 pages



Building Your Software

The first step in building your software is to create a plan. This plan should include your project goals, your development schedule, and your budget. Once you have a plan, you can start to build your software.

There are many different ways to build software. However, the most common approach is to use a waterfall model. In this model, you develop

your software in a linear fashion, starting with requirements gathering and ending with deployment.

The waterfall model can be inefficient, especially for large projects. A better approach is to use an agile development model. In this model, you develop your software in small, iterative increments. This allows you to get feedback from users early on, and it makes it easier to make changes to your software as needed.

Testing Your Software

Once you have built your software, you need to test it to make sure it works properly. There are many different ways to test software, but the most common approach is to use unit testing. In this approach, you test each individual function of your software to make sure it works as expected.

Unit testing can be time-consuming, but it is essential for ensuring the quality of your software. A better approach is to use automated testing tools. These tools can help you to test your software more quickly and efficiently.

Packaging Your Software

Once you have tested your software, you need to package it so that it can be distributed to users. There are many different ways to package software, but the most common approach is to use a software installer. A software installer is a program that installs your software on a user's computer.

Software installers can be complex, and they can be difficult to create. A better approach is to use a software packaging tool. These tools can help you to create software installers quickly and easily.

By following the steps outlined in this guide, you can build, test, and package your software more efficiently and effectively. This will help you to deliver higher-quality software faster and more reliably.

Additional Resources

- Agile Alliance
- DevOps.com
- NPM
- Docker
- Kubernetes



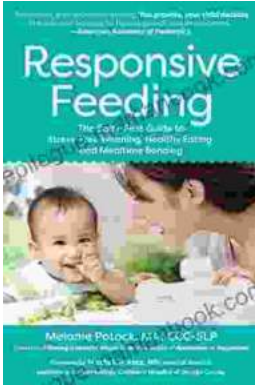
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