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All recorded sessions will be available online on the DrupalYOW youtube channel.





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#DCO2024

Discover Dropfort Build

HELLO!

I am Steven Stapleton

I am here today to talk about Dropfort Build!!!



WHO IS THIS PRESENTATION **FOR?**

**Drupal
Developers**

**Project
Managers**

**Tech
Enthusiasts**



Story Time

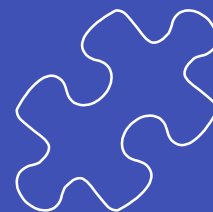


“

Websites shouldn't
make you cry.



David Pascoe-Deslauriers
CTO/CO-FOUNDER



1.

Problem

Defining the
problem



WHAT ARE WE
TRYING TO **SOLVE?**

Consistency

**Streamline
Development**

Reliability



Consistency

- ▶ Simplify Team Collaboration
- ▶ Avoid relearning
- ▶ Improve Maintenance

*Consistency reduces confusion and the learning curve.



Streamline Development

- ▶ Release workflows
- ▶ Integrated Development Environments
- ▶ Plug and Play

*We can streamline development by offering a basic setup with optional additional services for out-of-the-box functionality.



Reliability

- ▶ Automated testing
- ▶ Uniform codebase
- ▶ Enforce Drupal best practices

*We can improve reliability by reusing code and automating checks.

2.

Solutions

Exploring
Solutions

XAMP Apache + MariaDB + PHP + Perl

XAMPP is a free,
open-source
package for
setting up a local
web server.





PROS AND CONS OF XAMPP?

PROS

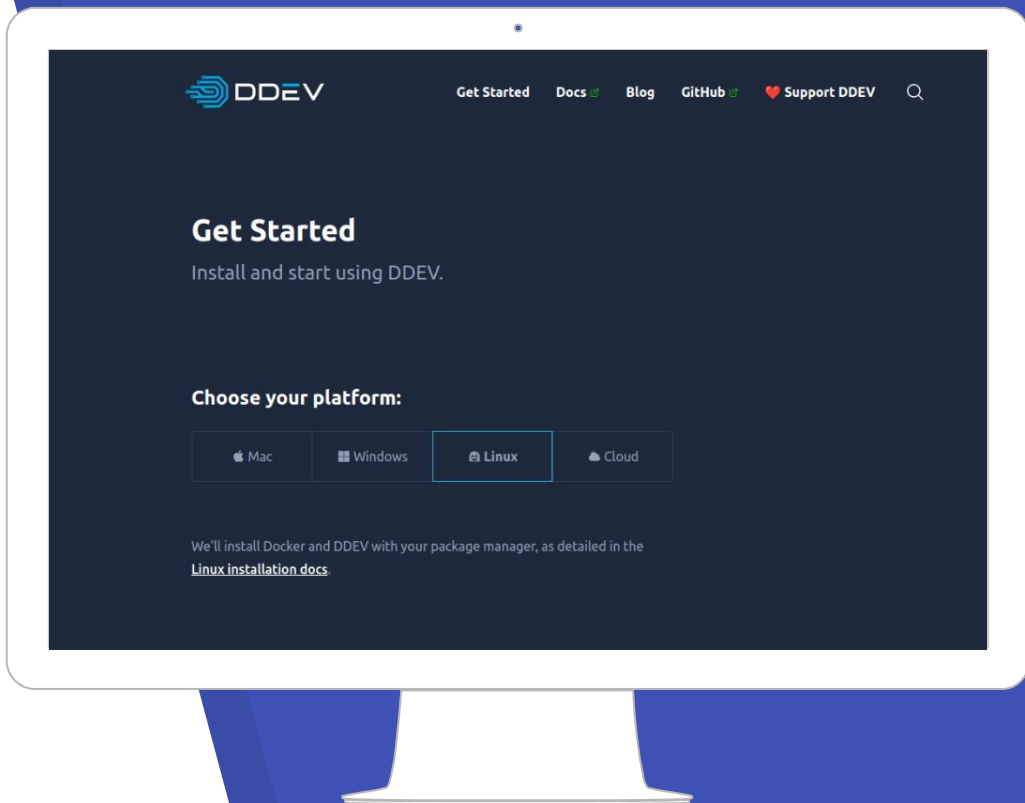
- ▶ Ease of installation
- ▶ All in one package
- ▶ User friendly GUI

CONS

- ▶ Environment Consistency
- ▶ Complex to make configuration changes
- ▶ Lack of isolation

DDEV Docker-based PHP development environments

DDEV is an open-source tool for consistent, scalable local web development.





PROS AND CONS OF DDEV?

PROS

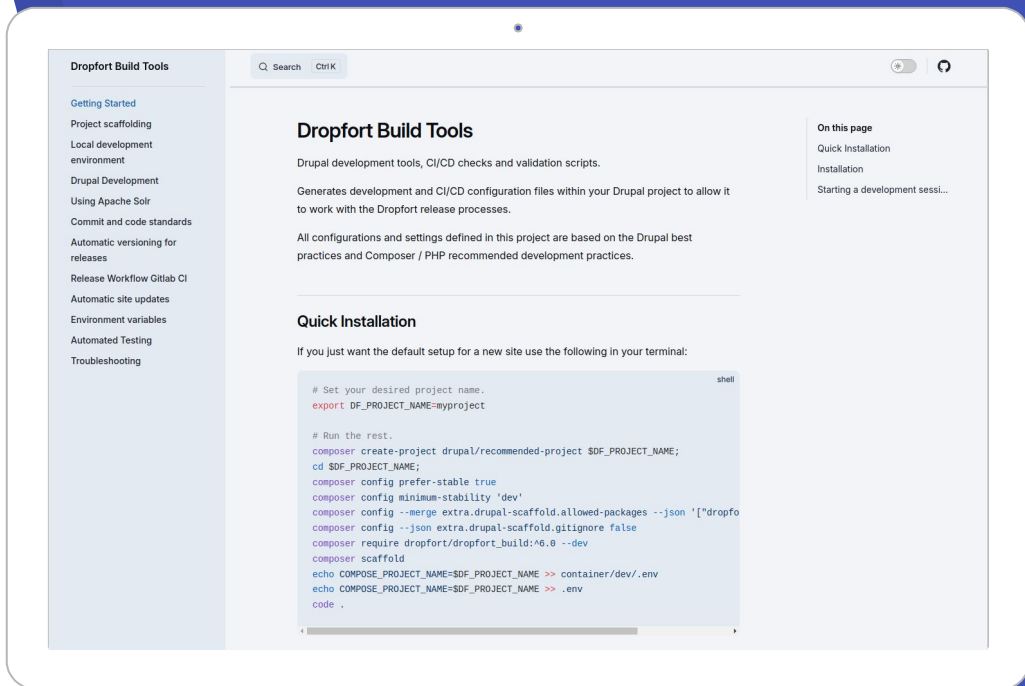
- ▶ Community Support and Documentation
- ▶ Drupal-Specific Configurations
- ▶ Environment Isolation

CONS

- ▶ Difficult to customize
- ▶ Difficult to automate certain tasks
- ▶ Containers can be resource intensive

Dropfort Build Drupal development tools

Generates development
and CI/CD configuration
files within your Drupal
project.





PROS AND CONS OF **Dropfort Build?**

PROS

- ▶ Enhanced Debugging Tools
- ▶ Supports continuous deployment pipelines out-of-the-box
- ▶ Integrated Testing Tools

CONS

- ▶ Containers can be resource intensive
- ▶ Limited support for older systems and configuration
- ▶ Manual deletion and comparison of scaffold-ed files

3.

Dropfort Build Essentials



HOW DOES
DROPFORT BUILD
SOLVE THIS
PROBLEM?

Consistency

Streamline
Development

Reliability



DROPFORT BUILD WORKFLOW

Commits and Coding Standards



Automated Testing



Automated
Deployments (Dev)



Released (Prod)



SMART DEBUGGING



AVAILABLE SERVICES IN DROPFORT BUILD

MariaDB

Hosts the primary database for your Drupal site, ensuring efficient data storage and retrieval.

Migrate

Provides a temporary database for older Drupal site migrations, facilitating smooth data transitions.

Drupal

Manages all web server and application logic, hosting your Drupal site effectively.

Mailhog

Captures and displays emails sent from your site, allowing for easy testing and debugging.

Selenium

Runs automated browser tests on your local site, ensuring cross-browser compatibility and functionality.

Solr

Hosts an Apache Solr instance, offering powerful search capabilities on your local site.



DEVELOPMENT ENVIRONMENT VARIABLES

	Site 1	Site 2	Site 3
HOST_PORT	7000	8000	9000
HOST_TLS_PORT	7443	8443	9443
MANAGE_PORT	7070	8080	9090

Dropfort Build Demo





THANKS!



Any questions?

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