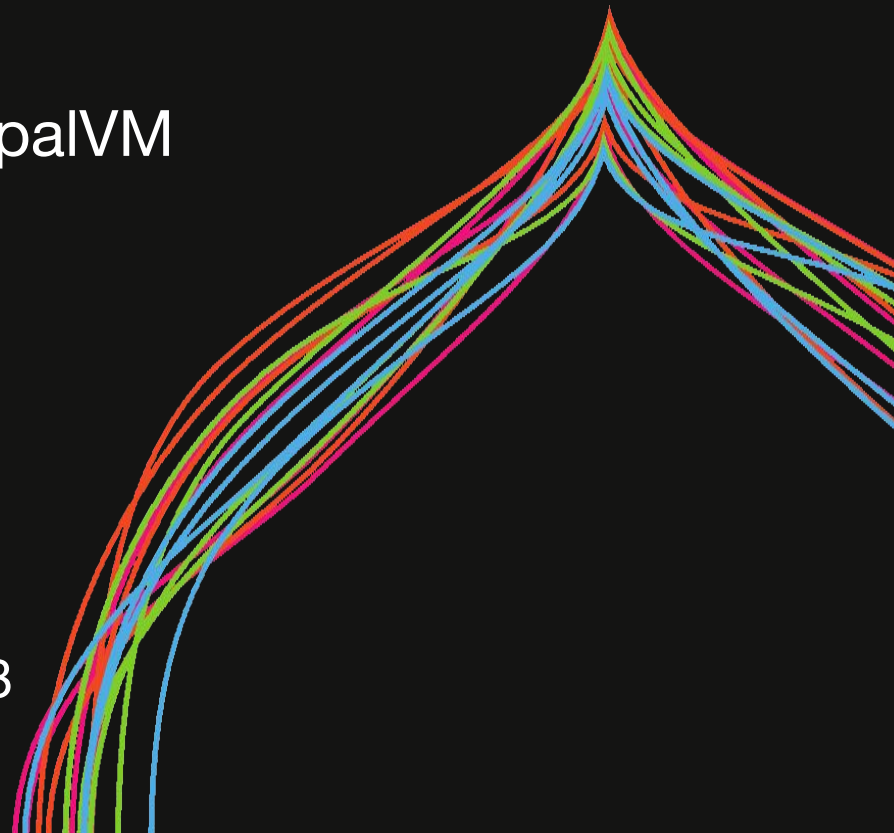


Standing up Drupal projects in minutes

...using BLT, Lightning, and DrupalVM

Dane Powell
Pacific Northwest Drupal Summit 2018



tl;dr

- Starting a new project is hard; I'll show you how to make it way, way easier
- A few keystrokes can get you ready for development on a new project in less time than it takes to talk about it today
- Use this technique to start new projects, create isolated environments for debugging, win friends, and influence people

Who is this guy?



- Dane Powell
- Acquia Professional Services (4 years)
- Drupalist (10 years)
- Contributor to BLT, Lightning, DrupalVM
- Non-Drupal interests: rock climbing, robots, dirty space funk

- danepowell.com
- www.drupal.org/u/dane-powell



WHY SHOULD I HAVE TO CHANGE MY NAME?

HE'S THE ONE THAT SUCKS

quickmeme.com

Why am I here?

I'm an evangelist for tools that make developers' lives easier.

I want to make *your* life easier.

(I'm not selling anything, promise)

What am I talking about?

- **BLT:** a project template and set of scripts to help with project creation, continuous integration, and day-to-day development
- **Lightning:** a base distribution with best-in-breed Enterprise features out of the box
- **DrupalVM:** a Vagrant-based local development environment

How to get started

- Go to <https://github.com/acquia/blt>
- Follow the link to setup instructions (INSTALL.md)

Live demo!



How did we get here?

In the beginning...



In the beginning...



In the beginning...



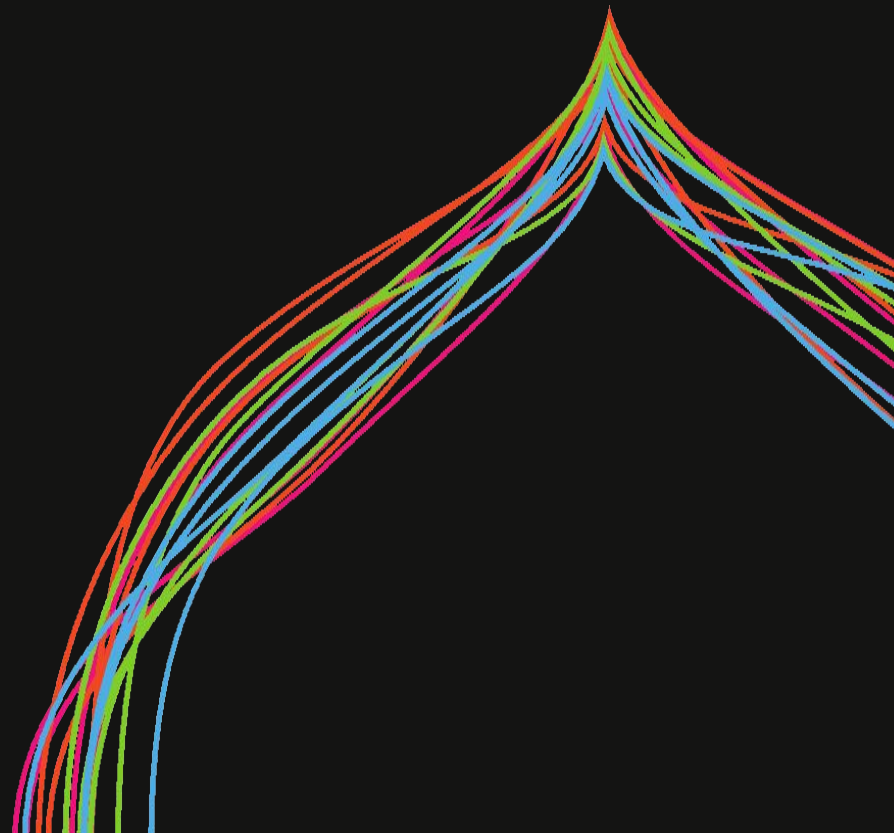
In the beginning...

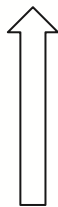
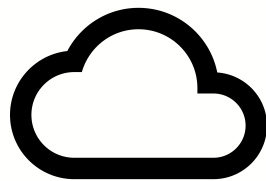


FTP



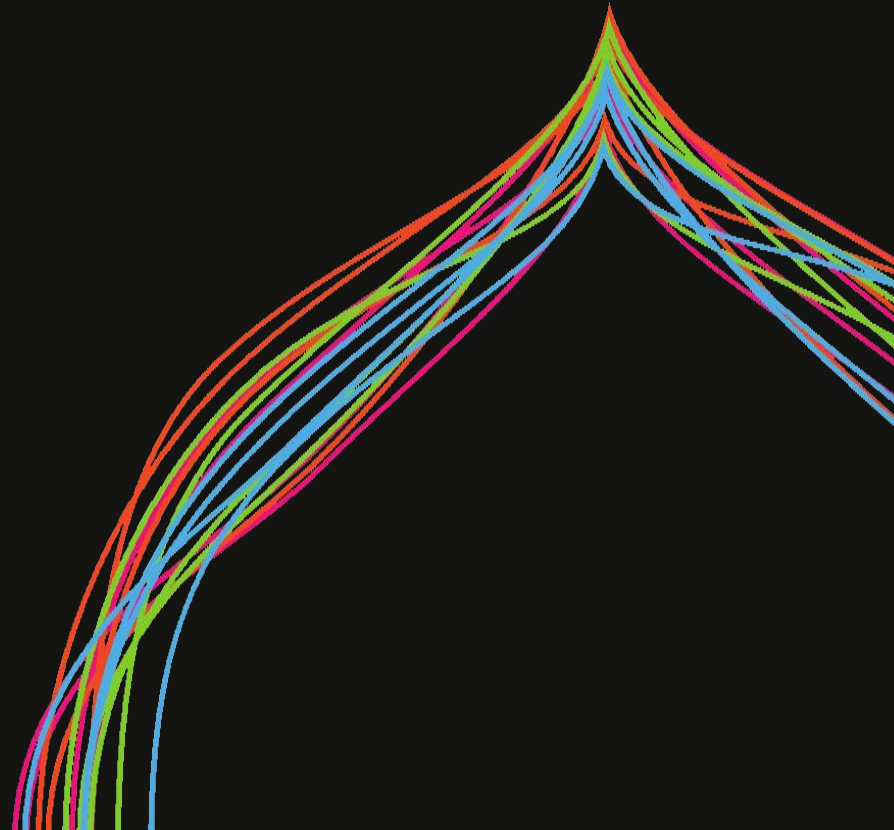
This was good...ish

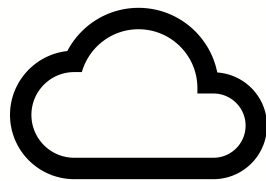


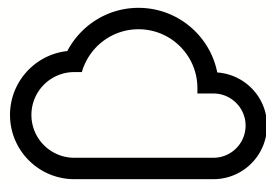


Meanwhile...

Backend tools were evolving

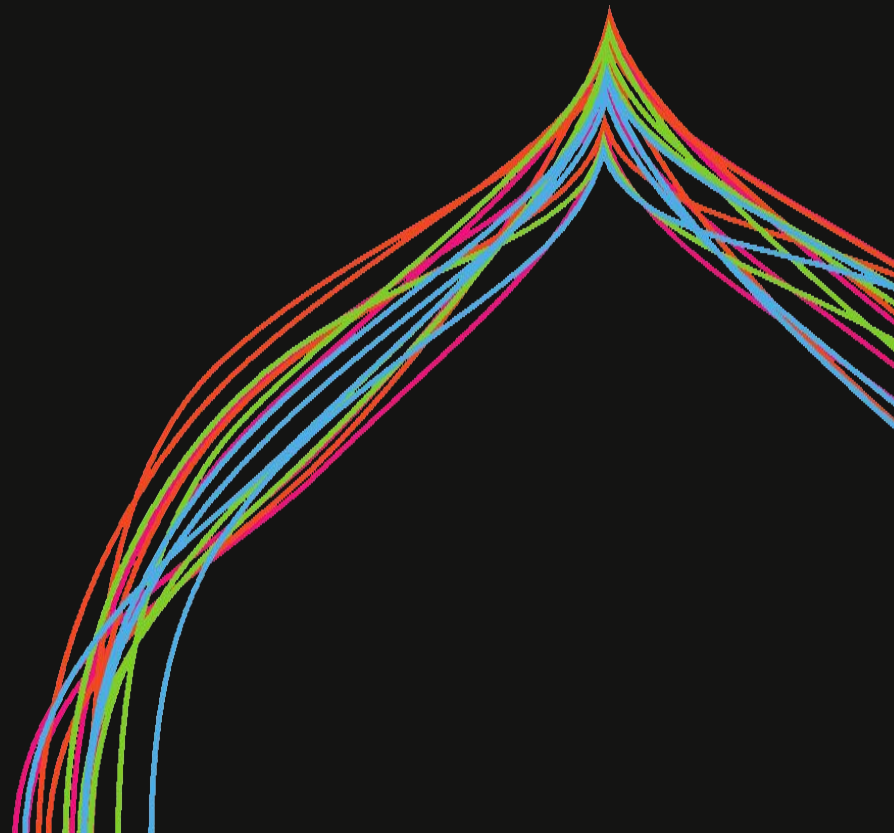


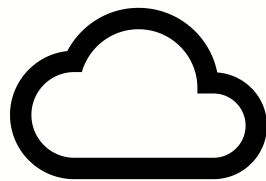


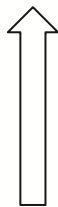
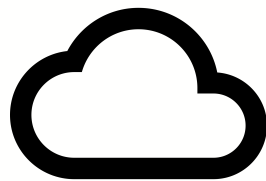


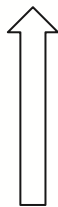
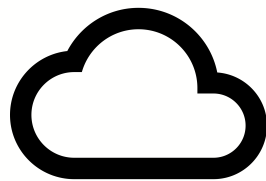
Meanwhile...

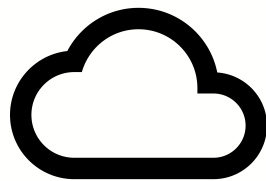
Frontend tools were evolving





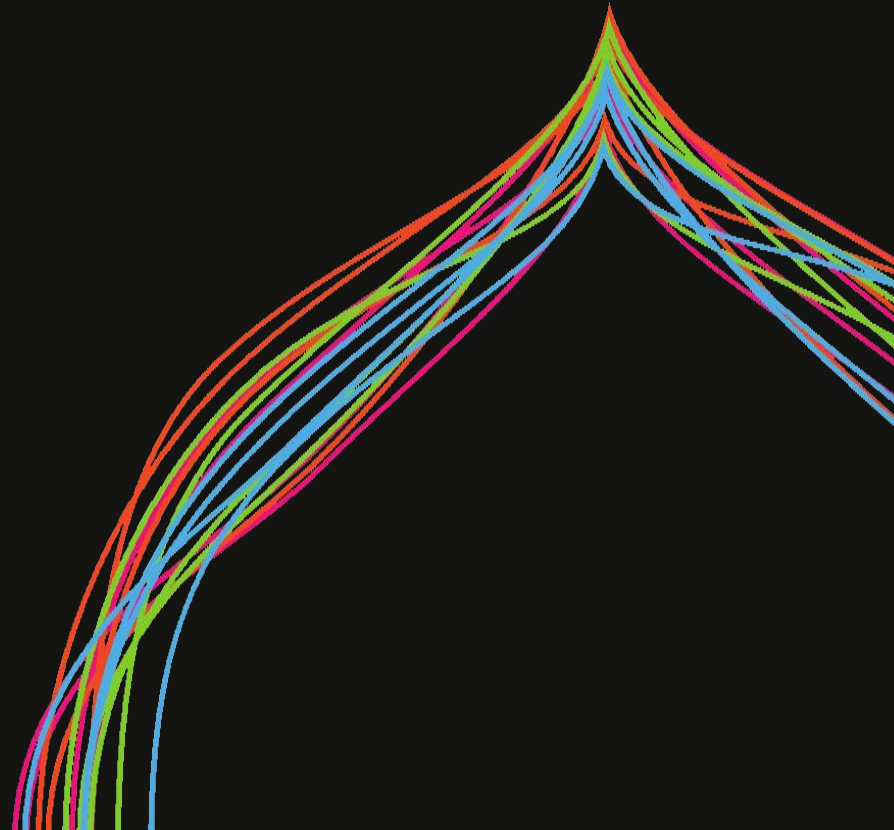


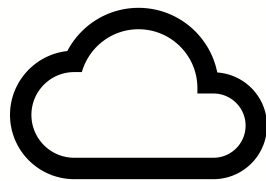


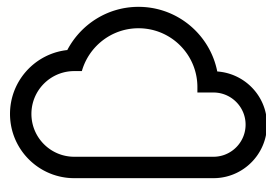


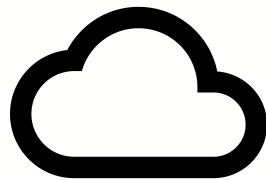
Meanwhile...

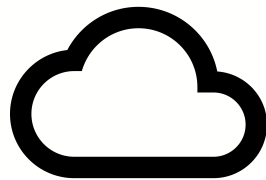
Testing tools were evolving

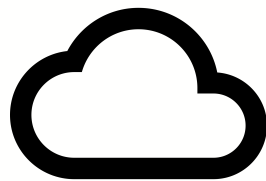


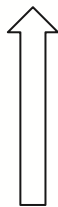
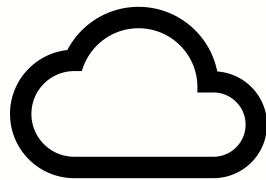






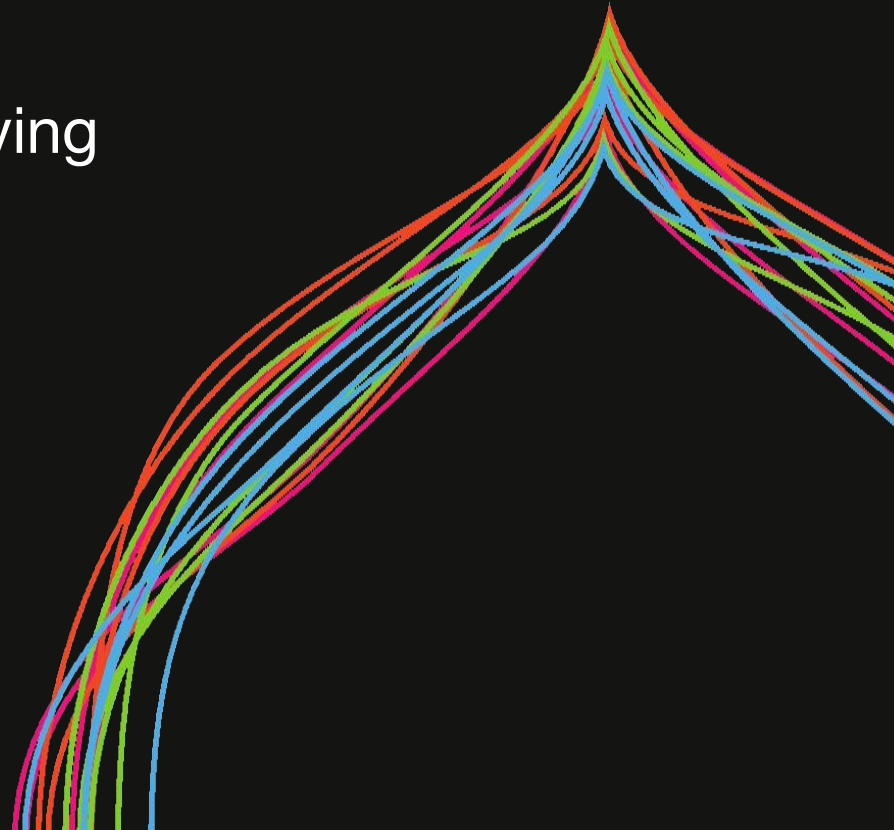


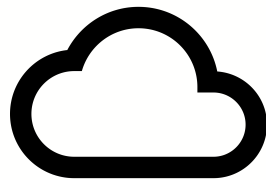


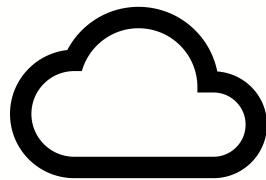


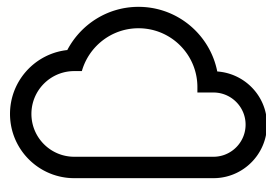
Meanwhile...

Local environments were evolving



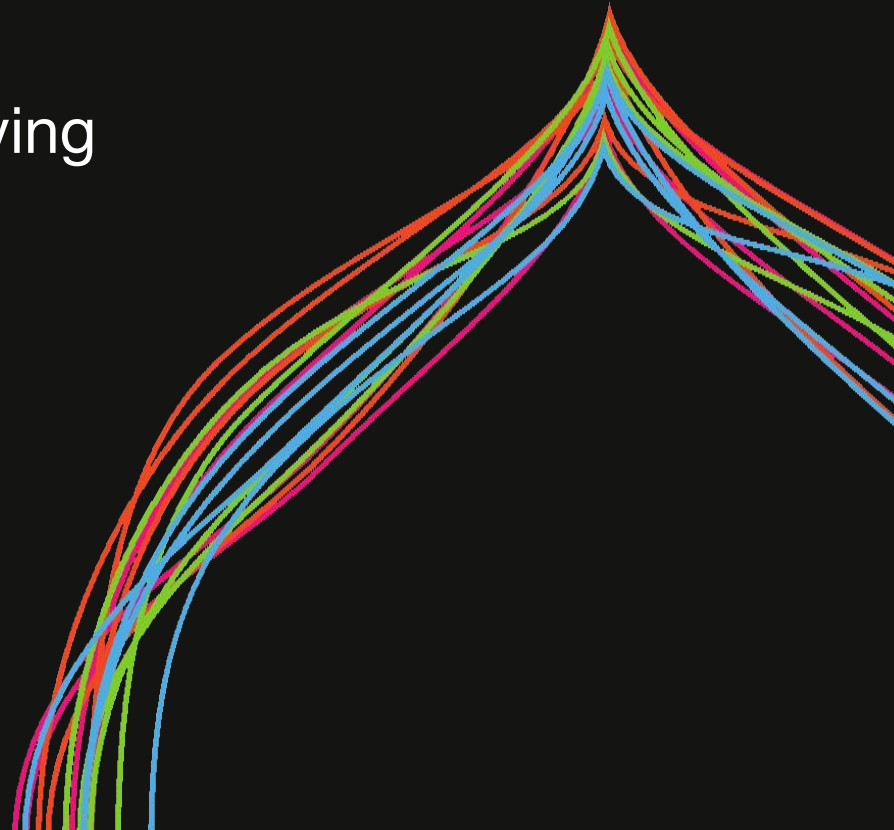


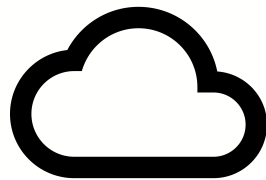


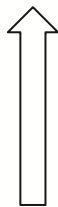
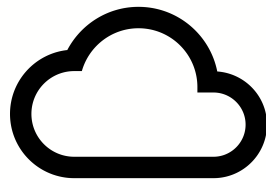


Meanwhile...

The PHP community was evolving

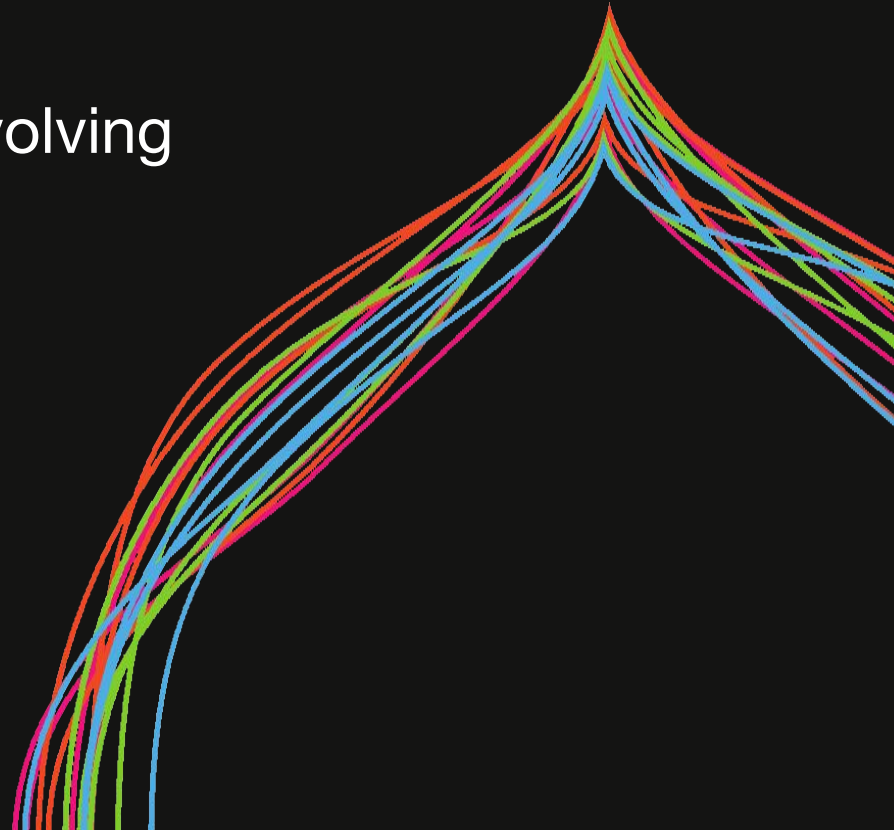


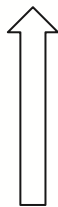
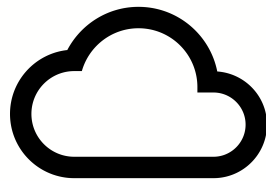


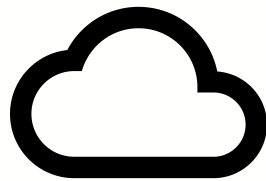


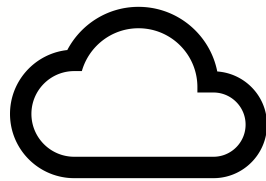
Meanwhile...

Continuous integration was evolving





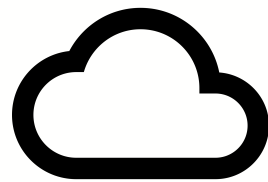




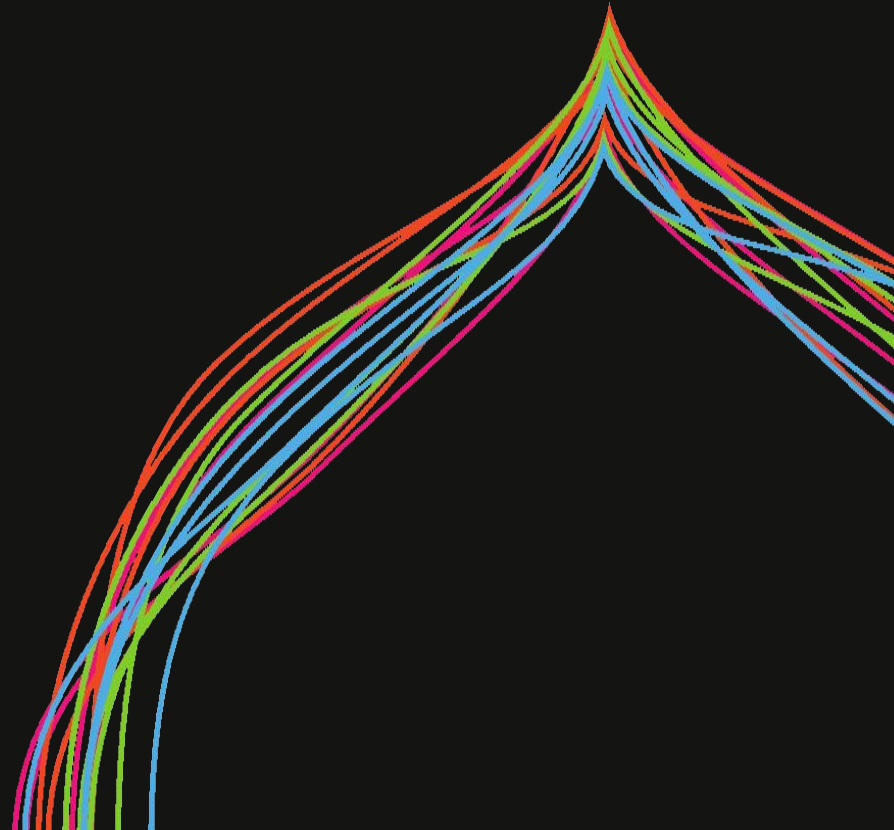
git



Configuration Management



This is the problem



Real world consequences

1. You don't use these tools

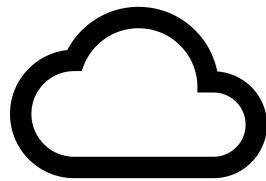
- a. You don't have a build process to manage dependencies
- b. You don't use automated testing
- c. You don't have a CI process

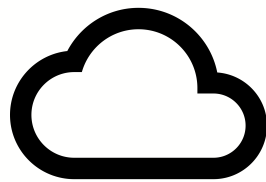
2. You spend a long time orchestrating these tools

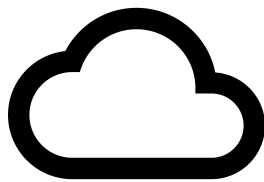
- a. You painstakingly create your own build process, for every project
- b. You configure your own CI setup, for every project
- c. You maintain it constantly, for every project

There has to be a **better way**



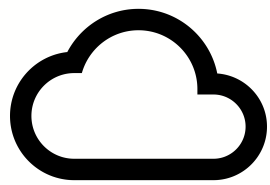






git



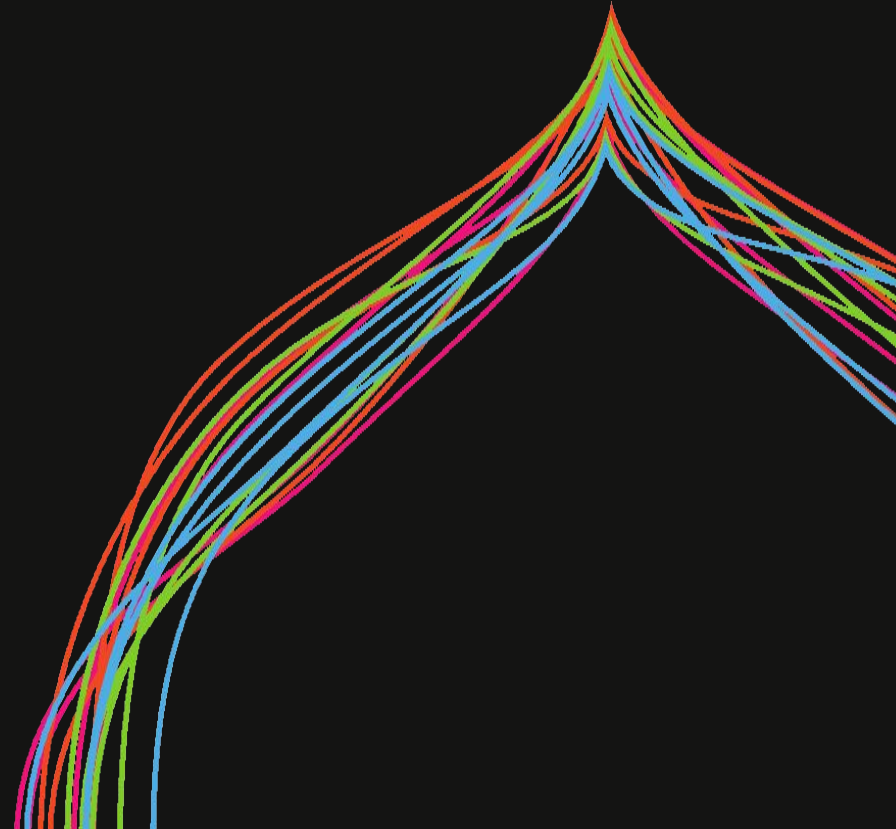


git



BLT

Build and Launch Tools



The results

Before BLT:

- Projects took days or weeks to set up
- Onboarding new developers took days or weeks
- Every project was a snowflake

After BLT:

- Projects are set up in minutes
- Onboarding developers takes minutes
- Every project starts from the same battle-tested base

What else is this useful for?

- Creating one-off isolated development/testing environments (for debugging issues, etc...)
- Proof of concept / proof of value site builds
- Live demos

How to get help

- BLT:
 - Project page: <https://github.com/acquia/blt>
 - Issue queue: <https://github.com/acquia/blt/issues>
- Lightning:
 - Project pages:
 - <https://github.com/acquia/lightning>
 - <https://www.drupal.org/project/lightning>
 - Issue queue: <https://www.drupal.org/project/issues/lightning>
- DrupalVM
 - Project page: <https://github.com/geerlingguy/drupal-vm>
 - Issue queue: <https://github.com/geerlingguy/drupal-vm/issues>