

UPGRADE
YOUR
WORDPRESS
WORKFLOW





ABOUT ME

Developer Outreach Manager



Instructor



Founder



- Love Obsessed with Dogs
- Shoot Archery
- Passionate about teaching others

REACH OUT

All the socials as
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Please share
commentary
using #WordSesh

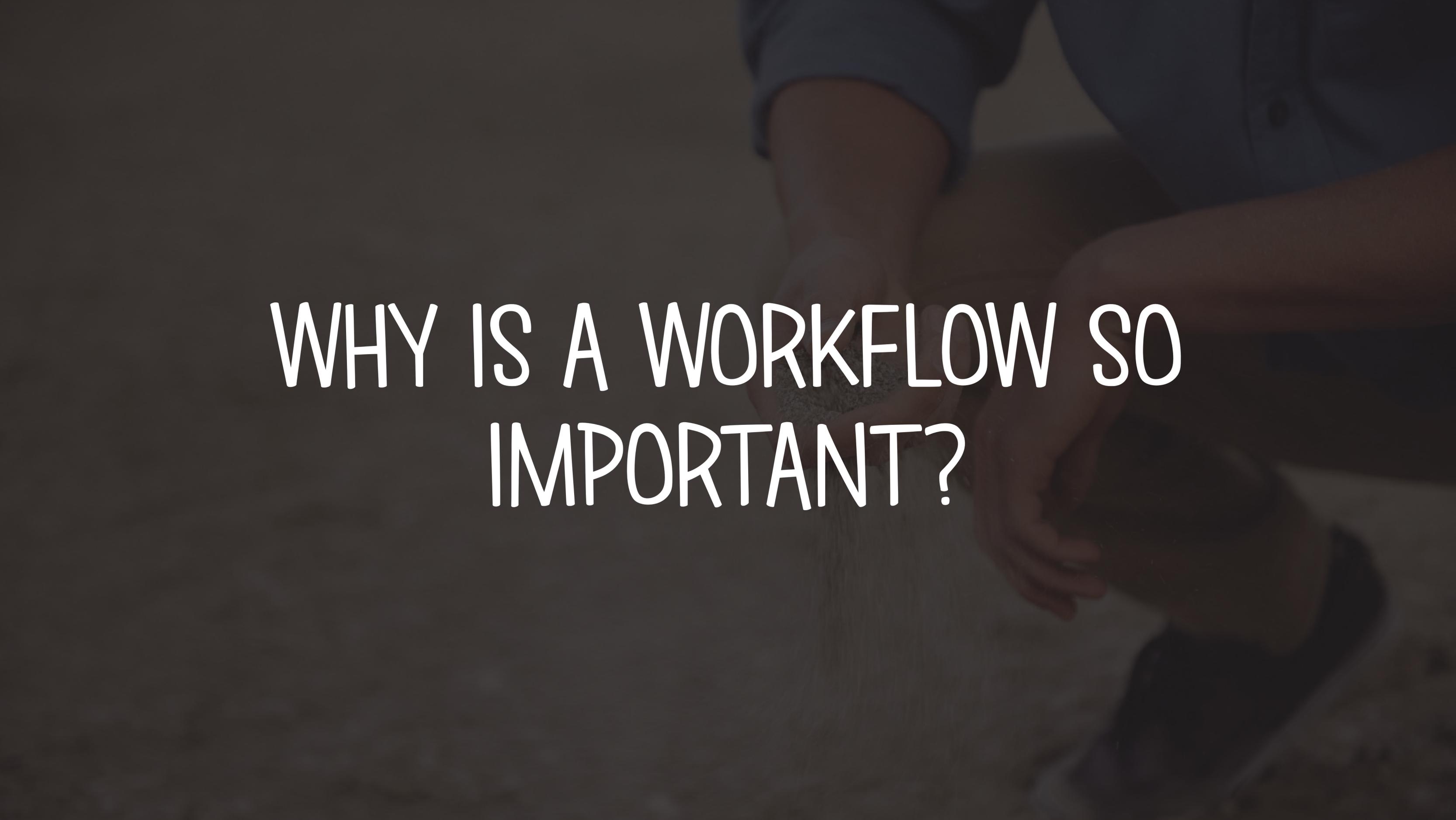


SLID.O

Enter event code: wordsesh

A top-down view of a baby sitting on a white surface, surrounded by various toys. The baby is wearing a white long-sleeved shirt and dark pants. To the right, there is a glass jar filled with colorful star-shaped toys, a wicker basket containing colorful toy fruits like a banana, apple, and strawberry, and a pile of small round cookies. In the foreground, there are several stuffed animals: a large white bear, a brown monkey, a black and white cow, a giraffe, and an elephant. A book with Japanese text and colorful illustrations is also visible. The text "WE ALL HAVE TO START SOMEWHERE" is overlaid in the center in a white, bold, sans-serif font.

WE ALL HAVE TO
START SOMEWHERE

A group of people are sitting on the floor in a circle, huddled together. They appear to be in a meeting or discussion. The image is dark and slightly blurred, with the text overlaid in the center.

WHY IS A WORKFLOW SO
IMPORTANT?

REDUCE
RISK





ESTIMATE
BETTER

INCREASED PROFITABILITY



MY NEW PROJECT FAVORITE WORKFLOW

- Create my new project from my start state, usually using a local bash script
- Setup my local dev environment (Mamp or Lando)
- Create a feature branch in my Git repo, convert to Multidev in Pantheon
- Write some code (Sublime Text)
- Initiate task runners (Gulp)
- Commit code (SourceTree, I'm a visual person)
 - If working as a team, this becomes a merge request for code review
- Automated tests run & *hopefully* pass
- Deployment to my dev environment takes place automagically
- Merge stable code to master
- Deployment to my production environment takes place automagically

MAINTENANCE FAVORITE WORKFLOW

- Update my start state (Custom Upstream) with the new code, whether that be theme, plugin or core updates.
- A cron runs everyday looking for updates in my upstream
- When updates are found, a feature branch/multidev is created and updates are completed.
- Visual Regression tests then run on my new multidev against my live environment
- If they match perfectly (or to my specifications), updates are automagically merged into master and push into production
- I don't even have to touch each site!

Shout out to Andrew Taylor for his [LoopConf workshop](#) on this!

START STATE

Estimate

Better

Profit

Increased

WORDPRESS START STATE

- Starter Theme (Start with one and customize it!)
 - Underscores
 - **WP Rig**
 - Roots
 - Bones
- Favorite Plugins
- Configuration
- Stock Photography in Uploads
- Whatever else makes you happy!

TECHNIQUES

- Git repository you fork and start with
- Composer or other dependency management
- 3rd party solution - I don't know of any, but I bet something exists
- Pitch for Pantheon: Custom Upstreams!

MAINTENANCE

- Maintain your start state and push updates from your start state to your previously built websites.
 - Git Repo
 - Custom Upstreams
 - We will talk more maintenance techniques in a bit.

A top-down view of a desk with a white keyboard, a white mouse, and a yellow watch. A person's hands are visible typing on the keyboard. The text 'VERSION CONTROL' is overlaid in the center.

VERSION CONTROL

Risk Reduced

REPOSITORY HOSTING

- Github
- Bitbucket
- Gitlab
- **Or find a WordPress host that is Git based!**

NEW TO GIT? USE A GUI

- SourceTree
- GitKraken
- Github Desktop

WORDPRESS GIT TIPS

- Follow the Feature Branch Workflow
 - Master branch is stable code
 - Feature branches are for dev-ing!
- Create a fave .gitignore file
 - Do not include Uploads
 - Or only include your custom code
 - Exclude your config file!

TEXT EDITOR / IDE

```
    selectedTranscludes = attr.selectedTranscludes || [];
    selectedElements = [];
    selectedScopes = [];
    selectedTranscludes = [];
    selectedScopes = [];
    selectedElements = [];

    scope.$watch(attr.ngSwitch, function ngSwitchWatchAction(value) {
        var ii = 0, ii2 = previousElements.length;
        while (ii < ii2; ++ii) {
            previousElements[ii].remove();
        }
        previousElements.length = 0;

        ii = 0, ii2 = selectedScopes.length;
        while (ii < ii2; ++ii) {
            selectedScopes[ii].destroy();
            previousElements[ii] = selectedElements[ii];
            animate.leave(selectedElements[ii], function() {
                previousElements.splice(ii, 1);
            });
        }

        selectedElements.length = 0;
        selectedScopes.length = 0;

        // ((selectedTranscludes = ngSwitchController.cases['!' + value]) || ngSwitchController)
        scope.$eval(attr.change);
        forEach(selectedTranscludes, function(transclude) {
            // ...
        });
    });
}
```

TEXT EDITORS / IDE'S

- **Sublime Text**
- Atom
- PHP Storm
- **Visual Studio Code**
- Coda

COMMAND LINE & SCRIPTING

Profit **Increased**

WHY CLI IS AMAZING

- WP-CLI - Command line for WordPress!
- Local Bash Scripts
 - Get your start state going with an interactive script!
- Opens you up to a world of amazing testing & automation

LOCAL DEVELOPMENT

Risk Reduced

LOCAL DEV TOOLS

- **Lando**
- MAMP or WAMP
- ServerPress
- Local by Flywheel
- Vagrant

TASK RUNNERS

A person is running on a dirt path in a grassy field. The person is wearing a light blue t-shirt and dark shorts. The background shows a line of trees and a cloudy sky. The overall scene is dimly lit, suggesting dusk or dawn.

Profit

Increased

Risk

Reduced

MY FAVORITE PERKS TO TASK RUNNERS

- Add Browser Prefixes to CSS
- Image Compression
- Concatenating JS
- Minifying JS & CSS
- Compiling Sass
- & more!

DATABASE MANAGEMENT

Risk Reduced

TOOLS FOR DATABASE MANAGEMENT

- WP-CFM
 - Export configuration to your codebase
- WP Migrate Pro
- Dictator
 - Export configuration to your codebase through WP-CLI
- Find a host that offers multiple environments with database cloning.

UPLOADS HANDLING

Risk Reduced

UPLOAD MANAGEMENT TOOLS

- WP Migrate Pro - Media Files Add-On
- Manually move files using SFTP
 - Avoid keeping your uploads in your Git repo
- Host uploads on S3

AUTOMATED TESTING

Risk

Reduced

TEST ALL THE THINGS!

- WordPress Coding Standards
 - WP-Dev-Lib
- Unit Testing
- Behat or other Behavior Driven Development testing
- Visual Regression

Check out **CodeCeption** if you want help getting started!

AUTOMATED DEPLOYMENTS

Profit

Increased

TOOLS TO AUTOMATE YOUR DEPLOYMENT

- DeployBot
- Beanstalk
- WP Pusher
- SSH or CLI
- **Continuous Integration & Deployment**

HOSTING

Profit **Increased**

DON'T WASTE TIME MANAGING
SERVERS

FIND A MANAGED HOST YOU LOVE!

THINGS TO LOOK FOR

- Git-based for all environments
- Free SSL (no one should be paying for this anymore!)
- Pre-configured caching and/or CDN
- Multiple environments
- SSH or CLI
- Dashboard with multi-site management
- Performance monitoring
- Easy updates & maintenance

MAINTENANCE

Profit **Increased**

MAINTENANCE DOESN'T HAVE TO BE SCARY

- Push updates from your start state, maintain sites in ONE place
- Use Visual Regression to test updates and auto deploy
 - Check out **Staging Pilot**
 - Or Backstop JS
- Find a host that helps with this!
 - Pantheon offers Custom Upstreams you can push updates from
 - Liquid Web integrates Visual Regression for updates

WORKFLOW RECAP

	Reduce Risk	Estimate Better	Increased Profit
Version Control	✓		
Local Development	✓		
Start State		✓	✓
Task Runners	✓		
Database Management	✓		
Uploads Management	✓		
CLI & Scripting			✓
Automated Testing	✓		
Automated Deployment	✓		✓
Managed Hosting	✓	✓	✓

ASK ME ANYTHING

sli.do

Enter event code: wordsesh

REACH OUT

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@tessak22

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Please share
commentary
using #WordSesh

