Presentations — Contents

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8. What I did at DrupalCon 2022

From F to B

in Mozilla’s Observatory Security Report

The **Trinity Technology Services** system administrators implement changes to Varnish to dramatically improve our Drupal website’s security.

- Kyle Skrinak
- David Palmer
- Blaine Ott

https://kyle.skrinak.com/presentations/2019-Feb-SLG.html

The Problem

- ITSO sends TTS NetSparker report
- We break out the Drupal Security Kit module
- We create a test configuration and ask for another scan
- NetSparker is now busy, ITSO recommends Observatory

Mozilla Observatory

- https://developer.mozilla.org/en-US/observatory

Original website results

Test Scores

Test	Pass	Score	Explanation
Content Security Policy	✗	-25	Content Security Policy (CSP) header not implemented
Cookies	✓	0	All cookies use the `Secure` flag and all session cookies use the `HttpOnly` flag
Cross-origin Resource Sharing	✓	0	Content is not visible via cross-origin resource sharing (CORS) files or headers
HTTP Public Key Pinning	–	0	HTTP Public Key Pinning (HPKP) header not implemented (optional)
HTTP Strict Transport Security	✗	-20	HTTP Strict Transport Security (HSTS) header not implemented
Redirection	✓	0	Initial redirection is to HTTPS on same host, final destination is HTTPS
Referrer Policy	–	0	Referrer-Policy header not implemented (optional)
Subresource Integrity	✗	-50	Subresource Integrity (SRI) not implemented, and external scripts are loaded over HTTP or use protocol-relative URLs via `src="//..."`
X-Content-Type-Options	✗	-5	X-Content-Type-Options header not implemented
X-Frame-Options	✓	0	X-Frame-Options (XFO) header set to `SAMEORIGIN` or `DENY`
X-XSS-Protection	✗	-10	X-XSS-Protection header not implemented

Eureka!

Why have MySQL + PHP do something apache can do?

Why have apache do something that varnish can do?

Our First Attempt

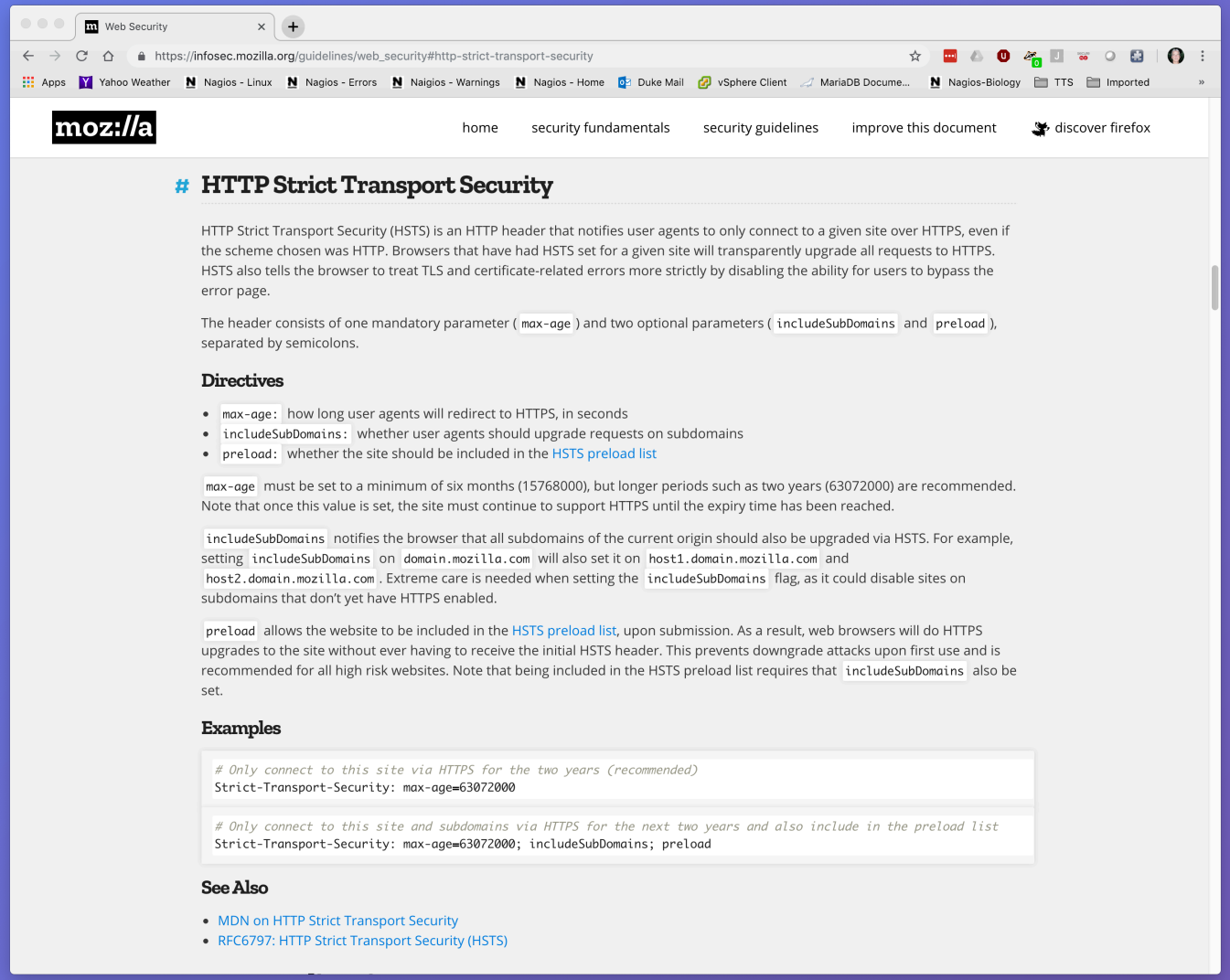
```
### TTS Apache Hardening

set resp.http.X-XSS-Protection = "1; mode=block";

set resp.http.Strict-Transport-Security= "max-age=31536000; includeSubDomains";

set resp.http.X-Content-Type-Options = "nosniff";
```

Oops

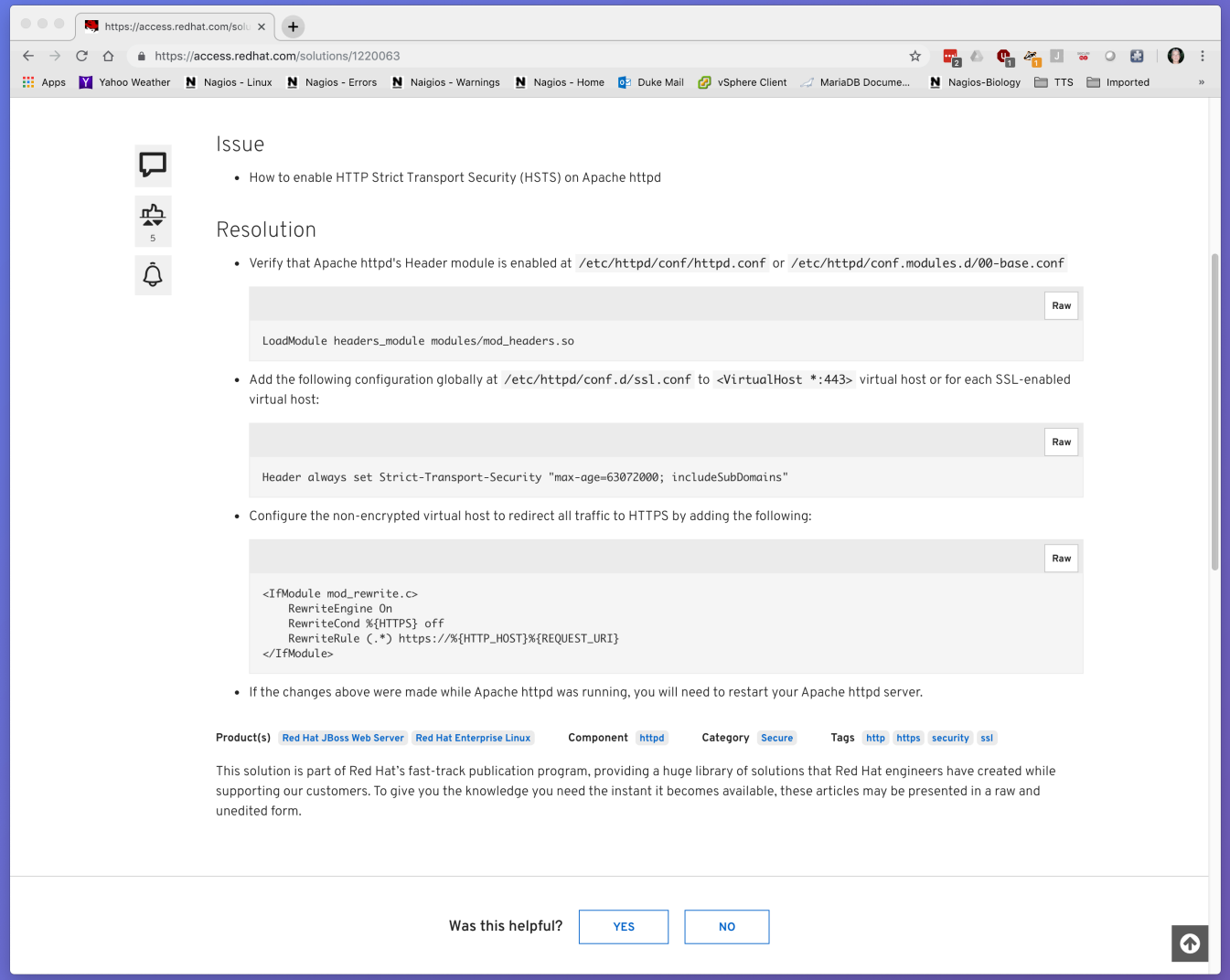
We inadvertently blocked fourth-level domains

Info pages for HSTS configuration options

- A link to Mozilla's HTTP Strict Transport Security information page.


Web Security
https://infosec.mozilla.org/guidelines/web_security#http-strict-transport-security
Apps
Yahoo Weather
Nagios - Linux
Nagios - Errors
Naigios - Warnings
Nagios - Home
Duke Mail
vSphere Client
MariaDB Docume...
Nagios-Biology
TTS
Imported
moz://a
home
security fundamentals
security guidelines
improve this document
discover firefox
HTTP Strict Transport Security
HTTP Strict Transport Security (HSTS) is an HTTP header that notifies user agents to only connect to a given site over HTTPS, even if the scheme chosen was HTTP. Browsers that have had HSTS set for a given site will transparently upgrade all requests to HTTPS. HSTS also tells the browser to treat TLS and certificate-related errors more strictly by disabling the ability for users to bypass the error page.
The header consists of one mandatory parameter (max-age) and two optional parameters (includeSubDomains and preload), separated by semicolons.
Directives
max-age: how long user agents will redirect to HTTPS, in seconds
includeSubDomains: whether user agents should upgrade requests on subdomains
preload: whether the site should be included in the HSTS preload list
max-age must be set to a minimum of six months (15768000), but longer periods such as two years (63072000) are recommended. Note that once this value is set, the site must continue to support HTTPS until the expiry time has been reached.
includeSubDomains notifies the browser that all subdomains of the current origin should also be upgraded via HSTS. For example, setting includeSubDomains on domain.mozilla.com will also set it on host1.domain.mozilla.com and host2.domain.mozilla.com . Extreme care is needed when setting the includeSubDomains flag, as it could disable sites on subdomains that don't yet have HTTPS enabled.
preload allows the website to be included in the HSTS preload list, upon submission. As a result, web browsers will do HTTPS upgrades to the site without ever having to receive the initial HSTS header. This prevents downgrade attacks upon first use and is recommended for all high risk websites. Note that being included in the HSTS preload list requires that includeSubDomains also be set.
Examples
Only connect to this site via HTTPS for the two years (recommended)
Strict-Transport-Security: max-age=63072000
Only connect to this site and subdomains via HTTPS for the next two years and also include in the preload list
Strict-Transport-Security: max-age=63072000; includeSubDomains; preload
See Also
MDN on HTTP Strict Transport Security
RFC6797: HTTP Strict Transport Security (HSTS)

- A link to Redhat’s HSTS configuration page.


https://access.redhat.com/solutions/1220063
Apps
Yahoo Weather
Nagios - Linux
Nagios - Errors
Naigios - Warnings
Nagios - Home
Duke Mail
vSphere Client
MariaDB Docume...
Nagios-Biology
TTS
Imported
5
Issue
How to enable HTTP Strict Transport Security (HSTS) on Apache httpd
Resolution
Verify that Apache httpd's Header module is enabled at /etc/httpd/conf/httpd.conf or /etc/httpd/conf.modules.d/00-base.conf
Raw
LoadModule headers_module modules/mod_headers.so
Add the following configuration globally at /etc/httpd/conf.d/ssl.conf to <VirtualHost *:443> virtual host or for each SSL-enabled virtual host:
Raw
Header always set Strict-Transport-Security "max-age=63072000; includeSubDomains"
Configure the non-encrypted virtual host to redirect all traffic to HTTPS by adding the following:
Raw
<IfModule mod_rewrite.c>
RewriteEngine On
RewriteCond %{HTTPS} off
RewriteRule (.*) https://%{HTTP_HOST}%{REQUEST_URI}
</IfModule>
If the changes above were made while Apache httpd was running, you will need to restart your Apache httpd server.
Product(s) Red Hat JBoss Web Server Red Hat Enterprise Linux
Component httpd
Category Secure
Tags http https security ssl
This solution is part of Red Hat's fast-track publication program, providing a huge library of solutions that Red Hat engineers have created while supporting our customers. To give you the knowledge you need the instant it becomes available, these articles may be presented in a raw and unedited form.
Was this helpful?
YES
NO

Questions?

Our DevOps Approach to Multisite and Drupal 8

A high-level overview

of how we’re using DevOps to

pimp our stack

Kyle Skrinak, I.T. Manager

Web Development and Systems Administration

https://kyle.skrinak.com

(nom de cyber: @screenack)

Trinity College of Arts & Sciences *at*

Duke University

This presentation:

2019-drupalcon-drupal-8-multisite.html

Meet the team

- Two Drupal website designers and developers
- Two Symfony custom application developers
- Three sysadmins, including one Drupal lead
- Host 380 websites, including 108 Drupal websites
- Highly normalized platform — branding, features, and content
- Support third-party developed websites
- Plus a bevy of other web and sysadmin-related support
- We maintain an excellent support reputation

Current Infrastructure

- Duke OIT provided VM’s
- RHEL7
- MySQL > MariaDB
- PHP’s aggressive EoL change
- Shibboleth SSO
- Third-party integrations: e.g., Qualtrics forms and Box for storage
- 108 websites on a clustered server pair
- A varnish and a pound load balancer.
- A staging and production server per website

Our Drupal 7 workflow

- Ansible pulls Drupal core updates from d.o.
- Three git repos for code
  - Global
    1. Our **sites/all** *(contrib modules, themes, and libraries)* repo
    2. **Trinity-level theme** *(Omega-based)* repo at sites/all/themes
  - per website
    1. **Website repo** *(theme, modules, libraries)* in the `sites/\<sitename>` directory
- `drush`, `git` and `ansible` to manage our stack cluster

What of Sleeping Dogs?

- Our mature workflow serves our customers and ourselves well…
- …but it fails us, moving forward
- Shifting external requirements continue to mount
  - Web accessibility and responsive design
  - Our security posture
  - Integrate CI/CD and QA
  - Increasingly rapid stack updates

Enter DevOps

What is DevOps?

- To radically yet *seamlessly* change our workflow
- Rethink roles, rules, interactions, expectations
- Stay current with tool and paradigm shifts
- Learning from our peers and contributing back
- Maintain and improve our service reputation

Has DevOps Helped Us?

Yes.

“Achieving extraordinary results

from ordinary people.”

DevOps?

You’re Soaking in It

- Bi-weekly DevOps meeting
  - New concerns and opportunities
  - New tools
  - Paradigm shifts
  - Changing individual roles
- Refactor our distribution and workflow
- Cross-discipline training
- Presentations on new proposals and tech

Why multisite?

- Misleading FUD on multisite
- Stable
- n-factor reduction in duplicate stack code
- Faster and inexpensive code updates

Preparing for Drupal 8

- Confirm continued D.O. support for multisite past 9.x
  - Yep: https://www.drupal.org/project/drupal/issues/2306013
- Confirm our understanding of Drupal 8 multisite
  - Yep: https://kyle.skrinak.com/posts/2017-05-26-drupal-8-multisite-documentation/ **BUT**
- `composer` replaces `drush` for managing Drupal
- A “pure” composer-based workflow conflicts with
  - Managing the individual website instances
  - JavaScript library dependency resolution

How, then?

Distribution reference

- Maintain a “reference” D8 installation for managing core, based on the Drupal Project composer template
  - https://github.com/drupal-composer/drupal-project
- Run `composer update` against the reference
  - If there are updates, this will also update the `composer.lock` file
- Commit the `composer.lock` file updates to the core git repo

Core and Code Deployment

Switch from `ansible` to `GitLab CE CI/CD`

- The value of recent GitLab updates
- Trigger deployment updates from the GitLab UI.

Oops… NoOps!

Core and Code Deployment

Use a GitLab's CI/CD to

- `composer install` with the updated lock file to distributed D8 cores.
  - Far less expensive than `composer update` on all cores.
- Run QA tests as part of a build process
  - (Still in development)
- Consistently run deployment scripts
- Deploy website code to our staging and production servers

Core and Website Updates

Run a `pipeline` on targeted servers

- For all child sites:
  - Move website to maintenance mode
  - Database and code backup for all child websites
- Pull composer.lock file
- Composer install (core only)
- For all child sites:
  - Drupal database update
  - Cache rebuild
- Reapply permissions on core or website directories only

GitLab CI/CD Demo

Link

Features and Benefits

- Eliminates need for manual deployment
- “True” push-button deployment for our devs
- Consistent deployment execution
- Consistent state restoration
- Easy access to deployment logs by all

Hindsight = 20/20

- Base our distribution on Acquia's Lightning distribution
  - https://github.com/acquia/lightning
- Build an installation profile

What’s Next?

- Library management: big hairy eyeball
- Implement varnish and pound for D8
- Build and maintain our own installation profile
- Trigger deployments with commit tags
- Improve integration of website-level configuration management
- Backport what we can to our D7 workflow

Questions?

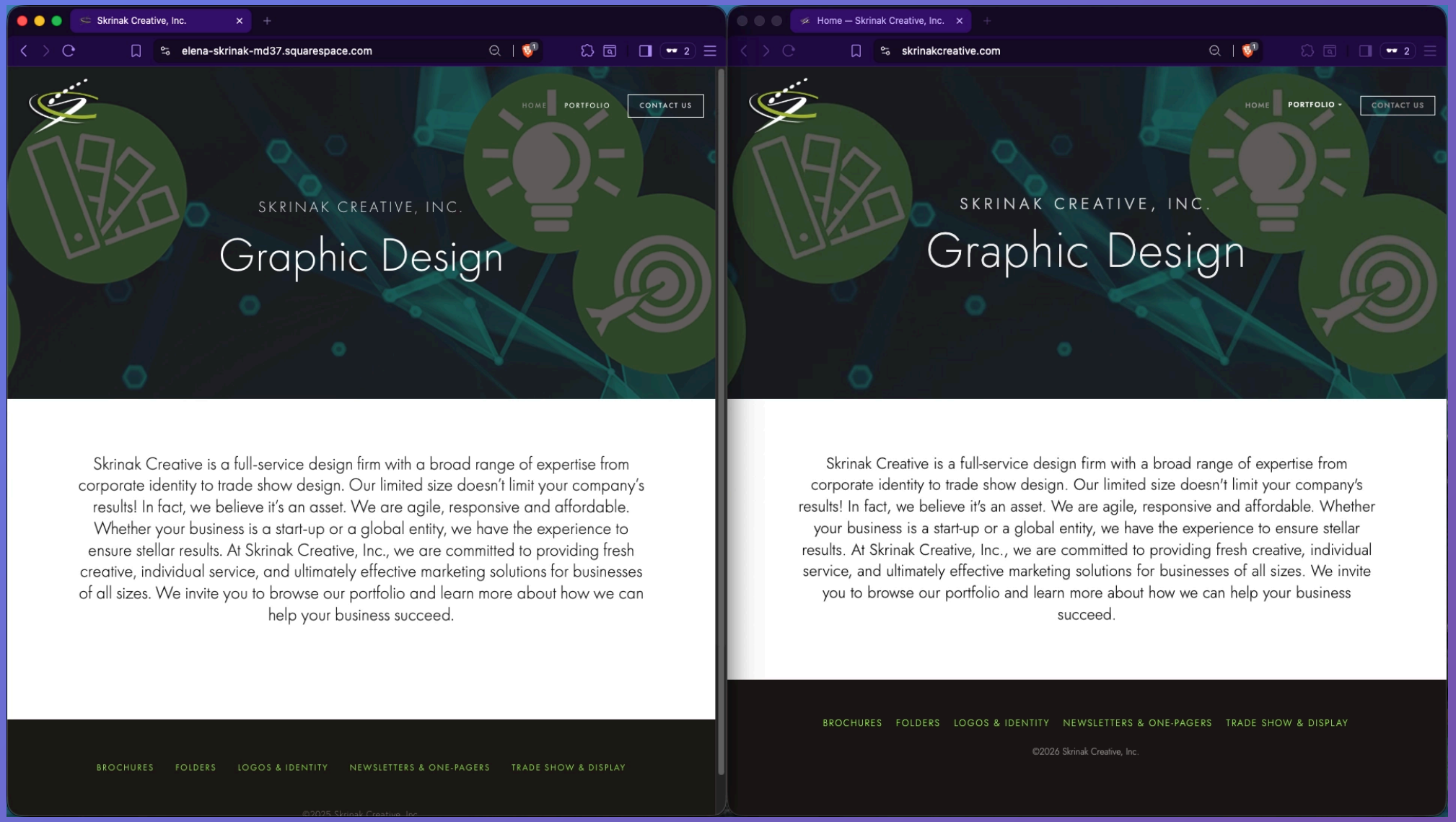
?

Thank You!

!

AI-Accelerated CMS Migration with Claude Code

From Squarespace to Astro in eight hours



original site — migrated site

The Situation

My wife Elena runs a graphic design business — **skrinakcreative.com**

- On Squarespace since 2017
- Squarespace worked well
- Her business downsized
- Seven pages, portfolio galleries, minimal interactivity
- **$16–23/month → $0**

What I Considered First — HTTrack

Web scraping is the obvious starting point. I know HTTrack well.

- Used HTTrack + AI as a first attempt
- Results were unusable
- Platform-coupled assets would require significant decoupling effort
- Unclear IP standing on scraped theme assets
- Enough friction to make me curious about a cleaner approach

The Constraint — Know Your Scope

This was a **simple** migration. Knowing that upfront matters.

- 7 pages, single grid-based theme
- One integration swap: Google Maps → OpenStreetMap
- No forms, no authentication, no e-commerce
- No CMS data model to untangle

The Approach — Discipline Before Code

Classic project management applied to an AI-accelerated workflow.

Before any code was written:

1. **Plan** — goals ranked by priority, options evaluated
2. **Scope** — seven pages, exact asset inventory, known integrations
3. **Specification** — design tokens, typography, color palette, spacing
4. **Testing requirements** — visual regression baselines, pass criteria defined

The Stack Decision

Astro + Cloudflare Pages

Decision	Choice	Rationale
Hosting	Cloudflare Pages	Free tier, global CDN, auto-deploy from git
Framework	Astro	Native image optimization, clean component model
Theme	None — built from scratch	Existing themes didn’t match Elena’s design
Font	Jost (Google Fonts)	Adobe Fonts license lost on Squarespace cancellation
Lightbox	GLightbox	Matched portfolio gallery behavior exactly

What Claude Code Actually Did

Claude Code wrote **all of it**. My role was project management.

- Discovery & audit, technology evaluation, design spec extraction
- Astro scaffold, component build, gallery implementation
- Visual alignment, test suite, deployment configuration

The standout: Layout identification and visual alignment

Describing design corrections in plain English, with a visual comparison test suite confirming each change against the live Squarespace baseline.

The Test Suite

78 tests. Claude Code wrote them.

- **60 visual regression tests** — 7 pages × 3 breakpoints × 2 test types
- **18 navigation tests** — desktop and mobile, dropdown and drawer behavior
- Playwright baselines pulled from the live Squarespace site

I already take parallel test suite management for granted. That shift happened fast.

The Numbers

Total time: 8 hours — start to deployed.

- ~1 hour lost to a Cloudflare DNS configuration miss
- A clean run: probably **7 hours**

Metric	Squarespace	Astro	Δ
Performance	57	86	**+29**
Accessibility	96	99	+3
Best Practices	100	100	—
SEO	93	92	-1

The Results

Deployed. Stakeholder approved.

- Elena signed off — she cares about the design, not the tech
- Not pixel-perfect: font substitution accounts for most of the gap
- Better on every meaningful performance dimension
- Full control, no vendor lock-in

Project Scope

This was the simple case. Extrapolate carefully.

- 7 pages, one theme, one clean integration swap
- Complexity scales with forms, data models, authentication
- AI instructions fail — verify infrastructure configuration yourself

Prior assumptions about effort may no longer hold. Test it yourself.

The Takeaway

Context is the input. Quality is the output.

- Define scope before you start
- Write specs before you build
- Require tests before you ship
- Manage AI like a very fast, very literal contractor

The question isn’t whether AI can do this. It’s whether *you* can manage it well enough to let it.

Questions?

See it live

- skrinakcreative.com — production site, now running on Astro
- `elena-skrinak-md37.squarespace.com` — original Squarespace site
  - *Editorial note (2026-09-13): the original Squarespace site expired on September 12, 2026, and the link has been removed.*

Read the full story

- From Squarespace to Astro: A Migration Story — full narrative with project context, decision-making process, and lessons learned

The stack

- Astro · Cloudflare Pages · GLightbox
- Claude Code

Duke University's

Code+

co-curricular program

promoting undergraduate

Diversity / Equity / Inclusion

Link to presentation: ../posts/2022-04-07-code-presentation/

Kyle Skrinak

https://www.drupal.org/u/screenack

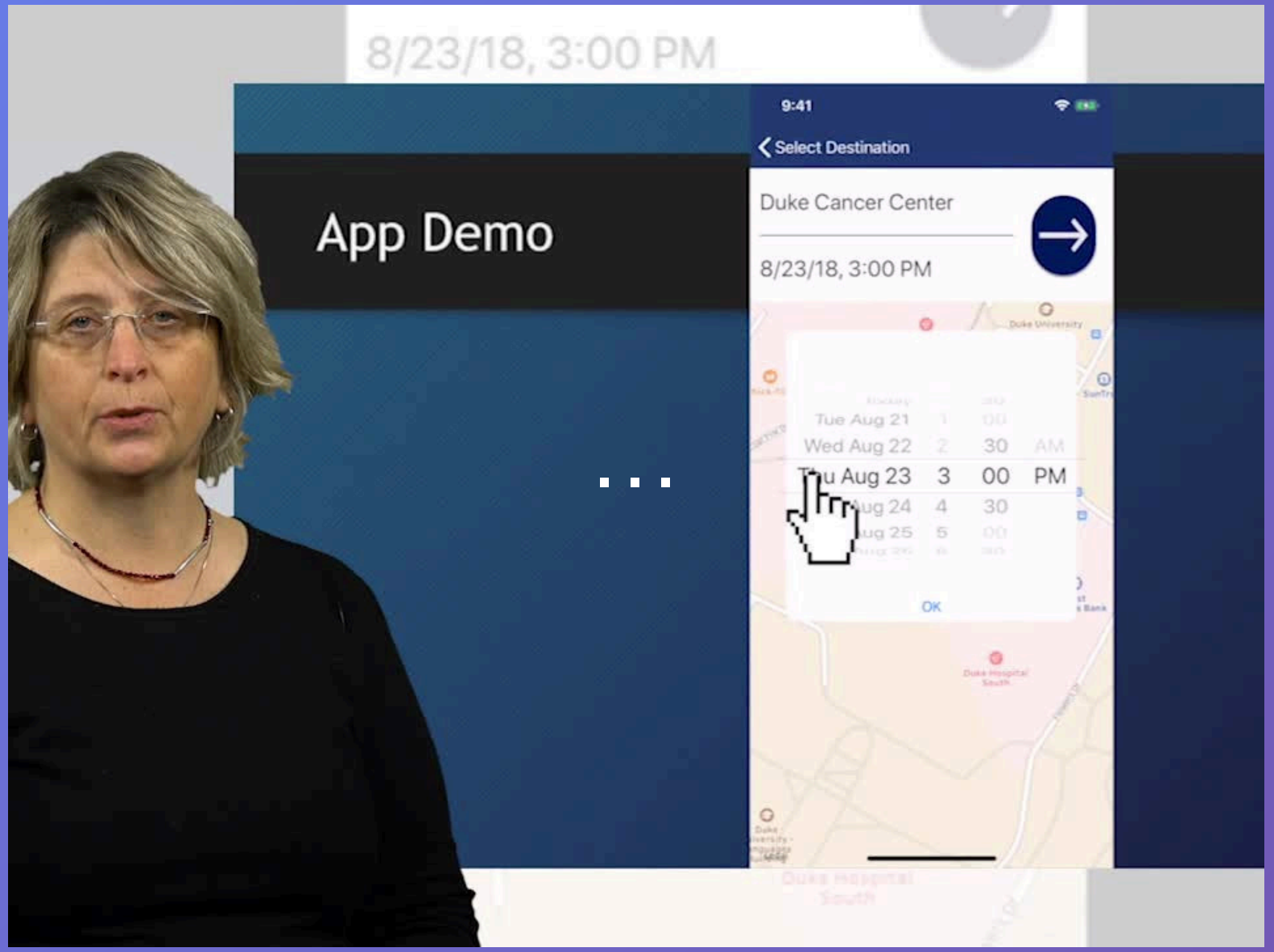
Senior Manager, I.T., Duke Web Services Development and Support

Duke University

https://kyle.skrinak.com

Our team builds, hosts, and maintains over 250 Drupal websites, including multisite, headless, and other websites and applications.

What is Code+?


8/23/18, 3:00 PM
App Demo
9:41
Select Destination
Duke Cancer Center
8/23/18, 3:00 PM
Tue Aug 21
Wed Aug 22
Thu Aug 23 3 00 PM
Aug 24 4 30
Aug 25 5
AM
OK
Duke University
Duke Hospital South

Origins for the Drupal module project

- A re-org at Duke
- Office of Information Technology's call for Code+ projects
- A mutually-beneficial project
  - Supports the Code+ team, Drupal, Open Source, and Duke
- Duke maintains an internally-developed module on D.O. in need of attention
  - AKA "BasicShib" https://www.drupal.org/project/basicshib
- A Duke need: integrate Grouper with Shibboleth

A Code+ Project is born

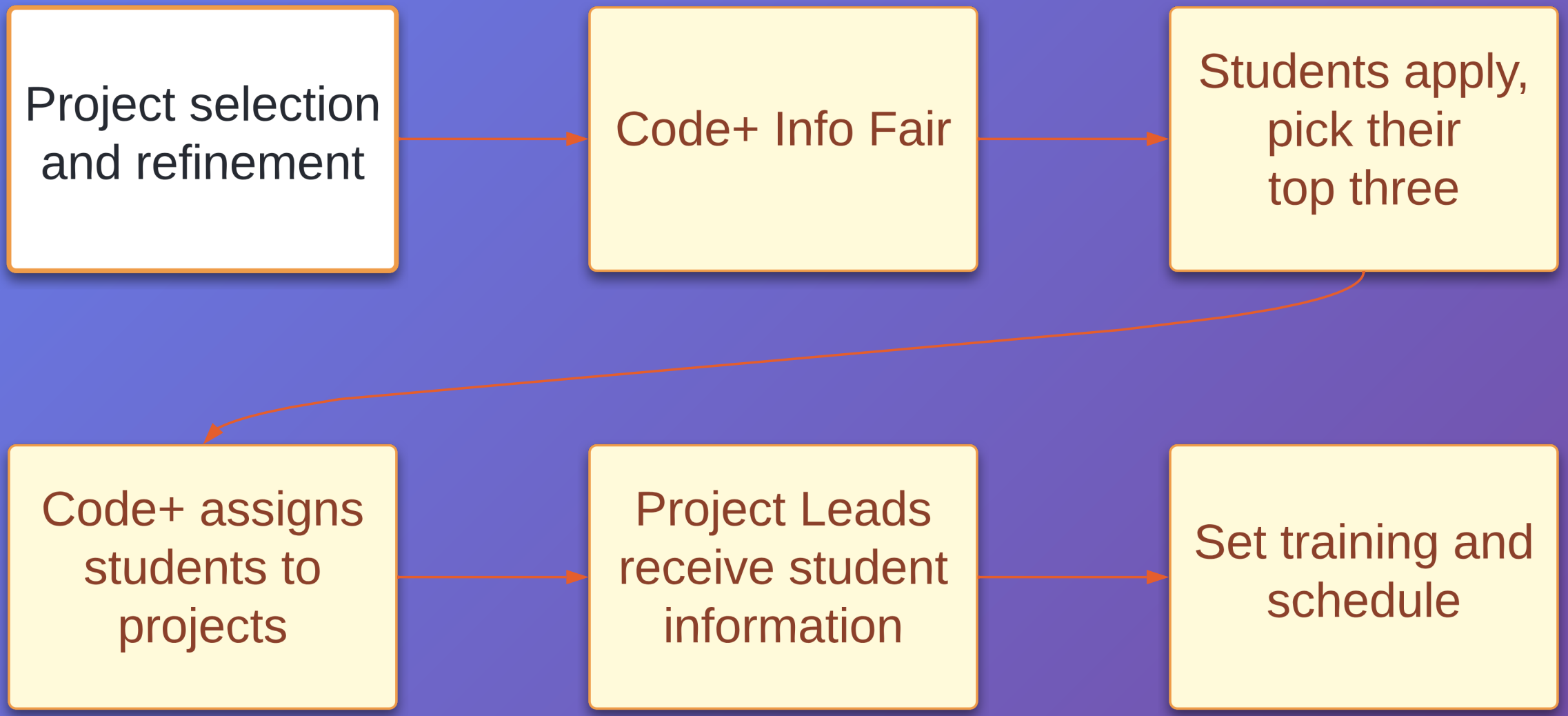
- Draft and submit my proposal
- Lots of edits
- Code+ administrators accepted my proposal

A Code+ Project is born

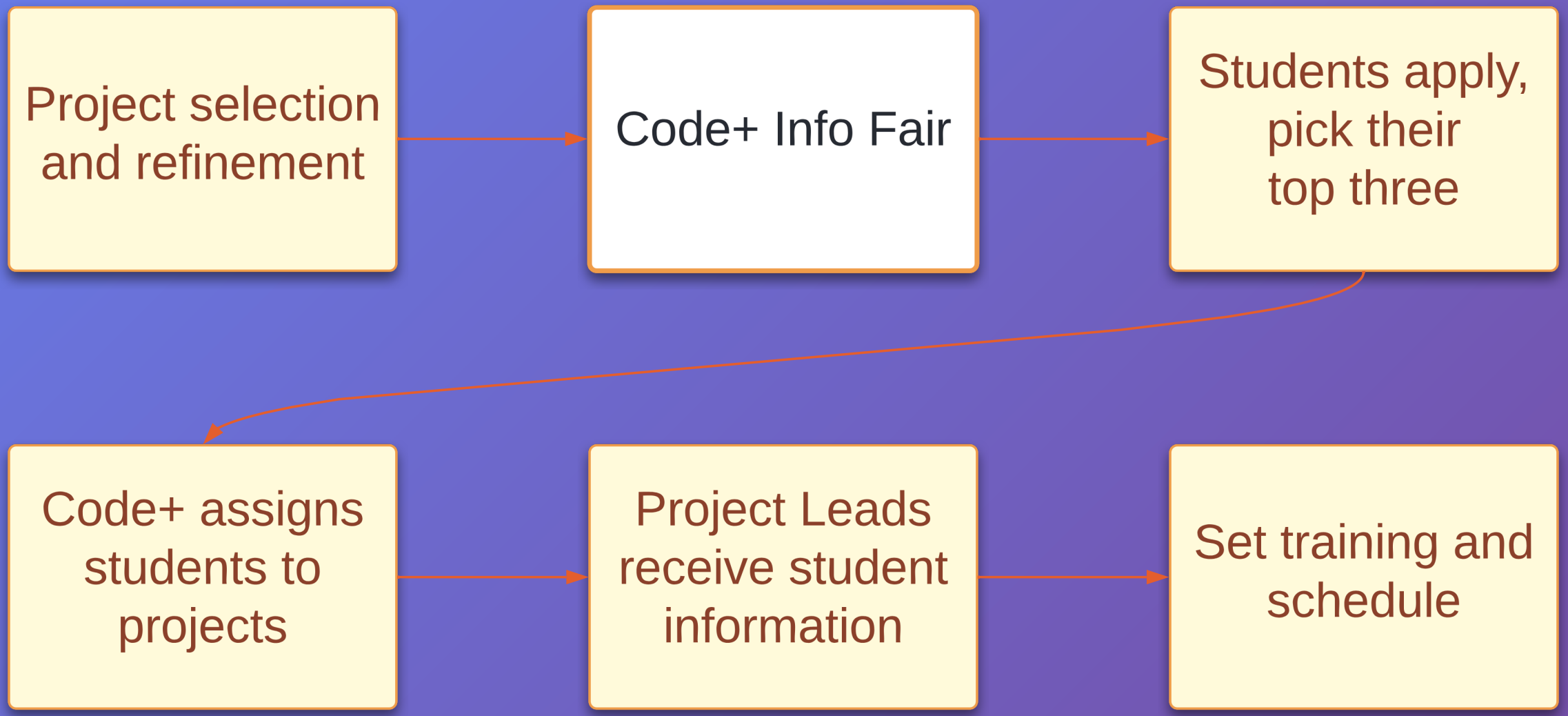
Drupal Module for Software Design and Development

The Drupal open-source software platform provides an opportunity for those who wish to design, develop, release, and finally maintain a non-commercial software project. A team of students will work with Duke's Office of Information Technology and other partners across campus to develop a Drupal module to extend the functionality of the existing framework to create an application. Students will work with Drupal 9 to extend Symfony's PHP object model paradigm. This allows students to work within a fully compliant Object-Oriented Programming, or OOP, paradigm.

A Code+ Project is Born


Project selection and refinement
Code+ Info Fair
Students apply, pick their top three
Code+ assigns students to projects
Project Leads receive student information
Set training and schedule

A Code+ Project is Born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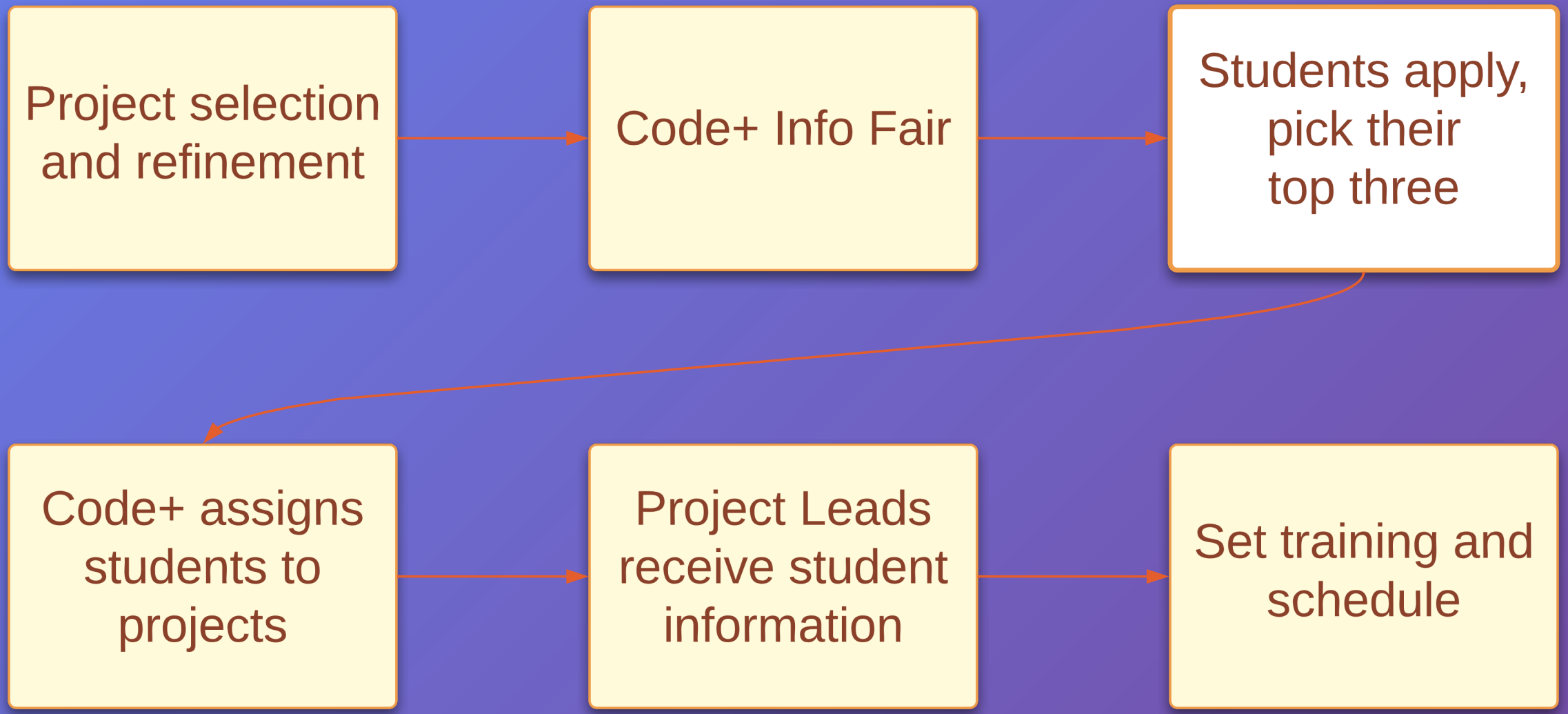
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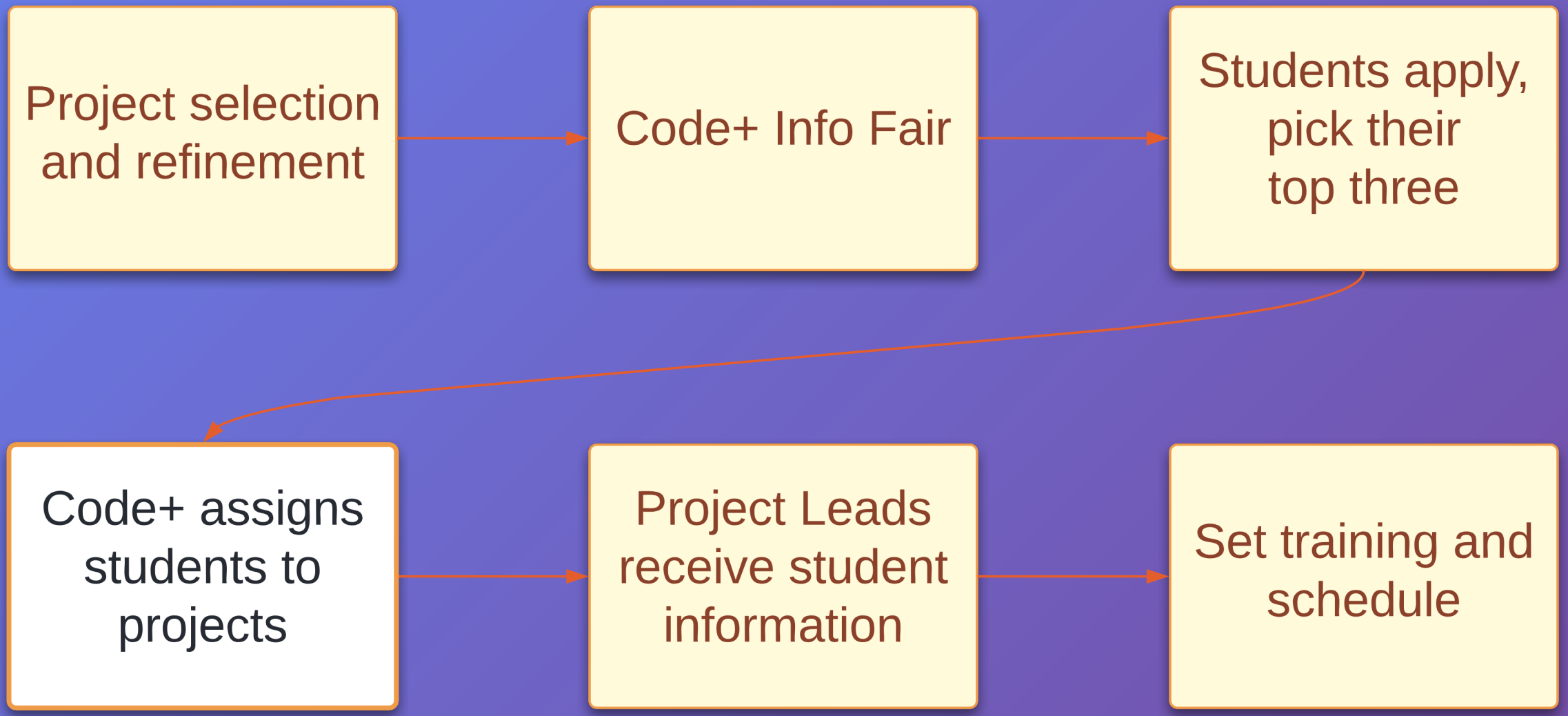
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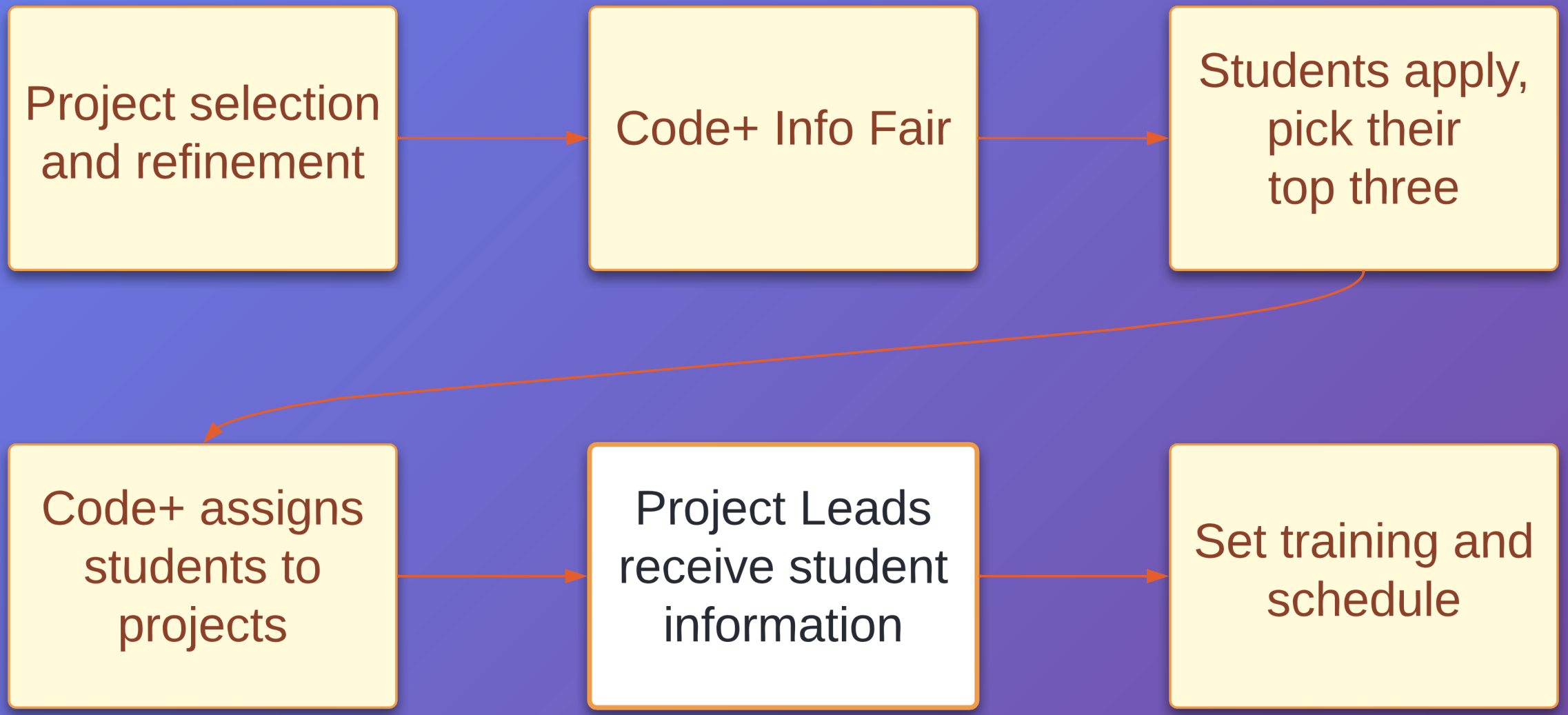
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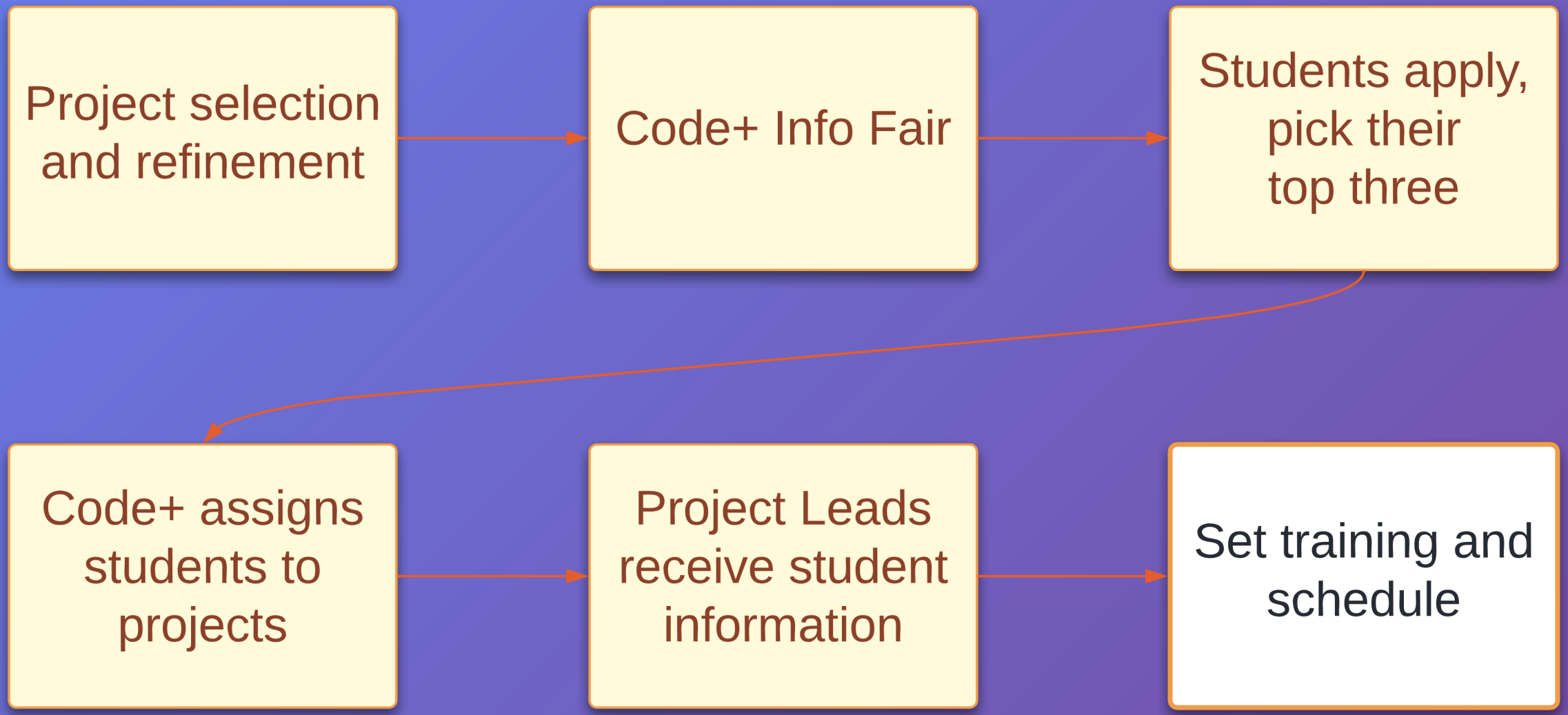
Project selection and refinement
Code+ Info Fair
Students apply, pick their top three
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Project Leads receive student information
Set training and schedule

Project Parameters

- Code+ administrators assigns five students to project
- We discuss project, training, and software requirements
  - Lando for development.
  - Identify common means for collaboration.
- Daily check-in and check-out on Microsoft Teams and Zoom
  - We had a mix of on-campus and remote students across time zones.
  - Encourage team collaboration on a standard platform.

Project Parameters

- Respect each Code+ team's individual working style
- Regular checkin and feedback from leadership
- Encourage independence and team ownership
- Be approachable and available

Project Parameters

- Code+ administrators assigns five students to project
- A project manager (Code+ administrator)
- Me: Project director, guiding direction, providing mentoring, and supporting the team
- Supporting partners from OIT

Project Successes

- A dedicated, highly-talented team
- Students developed knowledge in our software ecosystem
- Students developed professional development and communication skills
- Project deliverable: A Drupal module published on Drupal.org
- Open source software contributions
- Supporting undergraduates

Project Outcomes

- BasicShib Module Requirements and Learning Curve
- Module Maintenance Updates
- New Features Development
- Testing and Quality Assurance
- Team collaboration improvements

Challenges, Learnings, and Next Steps

- Software development in an enterprise environment
- Open source community contribution
- Time management and project planning
- Professional communication and mentoring

Challenges, Learnings, and Next Steps

- Difficulty in planning time for mentoring and team support
- Communication in a multi-timezone environment with MS Teams and Zoom
- Complexity of the BasicShib module architecture
- Team changes during the summer

- A re-org at Duke
- Office of Information Technology's call for Code+ projects
- A mutually-beneficial project
    - Supports the Code+ team, Drupal, Open Source, and Duke

Questions?

Thank you!

Introduction to Drupal

This presentation:

drupal-intro.html

Your presenter

Kyle Skrinak, I.T. Manager

Web Development and Systems Administration

https://kyle.skrinak.com

Trinity College of Arts & Sciences *at*

Duke University

What we’re covering today

- Editing content at TCA&S using Drupal
- Managing department profile data
- What is web accessibility and why should I care?
- Getting support

Who is this training for?

- It’s your first time editing a TCA&S website
- You’re new to Duke or Trinity
- You’ve edited WordPress in the past
- You don’t know HTML from a ham sandwich

Editing content at TCA&S using Drupal

https://admin.trinity.duke.edu/technology/drupal-website-editing

Managing department profile data

tts-profile-mgmt.html

Web Accessibility

A video presentation on

“What is Web Accessibility?”

Link to accessibility video

How does this pertain to me?

For more info at Duke, check out

Duke’s Accesibility website link

Getting support

trinitywebsupport@duke.edu

And not any single TTS staff member's address, please.

You can find online documentation at

https://bit.ly/TTS-Drupal-Documentation

How'd I do?

`https://duke.qualtrics.com/jfe/form/SV_7ZYqxa5Jn6debo9` (link no longer accessible)

Questions?

?

Thank You!

!

Drupal Multisite on a Dime

or How we Adopted CI/CD for TCA&S's Drupal Multisite Hosting for Trinity's 100+ Drupal websites

---

This presentation:

../posts/2020-12-03-drupal-multisite-on-a-dime/

Your presenter

Kyle Skrinak, I.T. Manager

Trinity College of Arts & Sciences

Web Support (now part of OIT), Duke University https://kyle.skrinak.com

Meet the team

- David Palmer, *DevOps*
- Andy Smith, *Web Dev & Design*
- Gabe Fahl, *PHP Programmer*
- Alex Verhoeven, *Web Dev & Design*
- John Herr, *PHP Programmer*

Who We Serve?

- Trinity College of Arts & Sciences departments, administrative, labs, etc.
  - 120 active websites
  - 100+ legacy websites and web applications
- SLAs and MoUs, *including*
  - divinity.duke.edu
  - dibs.duke.edu
  - sanford.duke.edu

Requirements

- Consistency across all of our websites
- Rely on Open Source community, and not custom module development
- Decreased support and discovery time
- Greatly agility with code updates, website maintenance, and deployment
- Minimize cost for external tools

Overview: Timeline

- 2013: Apostrophe → Drupal migration starts
- 2014: Drupal Multi-site *(hosting, version control)*
- 2015: Base + Sub theme *(branding, gitorius → gitlab)*
- 2016: FDS → Scholars migration *(profile data, membership)*
- 2017: Drupal 8 distribution begins, first D8 website (A→D7 migration ends)
- 2018: D8 requirements set (hosting, branding, membership)
- 2019: D8 distribution starts, production begins (CI/CD deployed)
- 2020: Currently at 27 D8 websites

Innovations

- 2014: Drupal Multi-site
  - Pantheon discussions and debate over multi-site
  - The DevOps-like dashboard for managing websites
- 2015: Drupal Omega Base + Sub theme
  - Simplified enforcing our branding across n number of websites
  - Reduced complexity of our support by providing reasonable defaults for content migration

Innovations

- 2016: Department profile management
  - The “People” section of our websites
  - Faculty Database System (FDS) → Scholars effort
  - Missing: non-faculty membership and our TCA&S-wide directory on trinity.duke.edu
  - Support for Duke’s system of record
  - Solution: design and implement middleware
    - Directory Tool
    - Plenty of Feeds

Drupal 8: Design phase

- Finished D7 website migration by 2017
- Goal setting
  - Enforce feature and content denormalization
  - Continue to lean on community, not custom modules
  - Confirm: multi-site
  - Configuration management
  - Exploit DevOps tools: Composer, CI/CD

DevOps becomes a real thing

- You’ve got developers in my sysadmins?
- You’ve got sysadmins in my developers?

Mmmm! It’s good!

Our CI/CD Pipeline

Site tasks	Pushbuttons	Revert	Migrate
Enable maintenance mode	Production backsync	Restore DB	Staging to Prod
DB Backup	Git pull <branch>	Revert code	
Git Reset --hard <branch>			
Drush entity update			
Drush clear caches			
Apache OpCache clear			
Drush config export			
Drush config import			
Fix permissions			
Disable maintenance mode			
Backsync DB from prod			

Our Current Workflow

- Continue to enhance our content editorial experience
- Weekly meetings with the TCA&S Comm team
- Tamp down scope creep as we scale
- Synchronize core features and display across all websites
- Extend our CI/CD to WordPress and other servers
- In process: default site content

Q & A

thank you

How to Manage Departmental Faculty and Staff Data

This presentation:

tts-profile-mgmt.html

Kyle Skrinak, I.T. Manager

Web Development and Systems Administration

https://kyle.skrinak.com

Trinity College of Arts & Sciences (TCA&S), *now part of OIT*,

Duke University

This presentation:

tts-profile-mgmt.html

What we’re covering today

Updating:

- Updating faculty and staff profile data
- Department group membership not in Scholars
- Assigning administrative assignments

Who Does What?

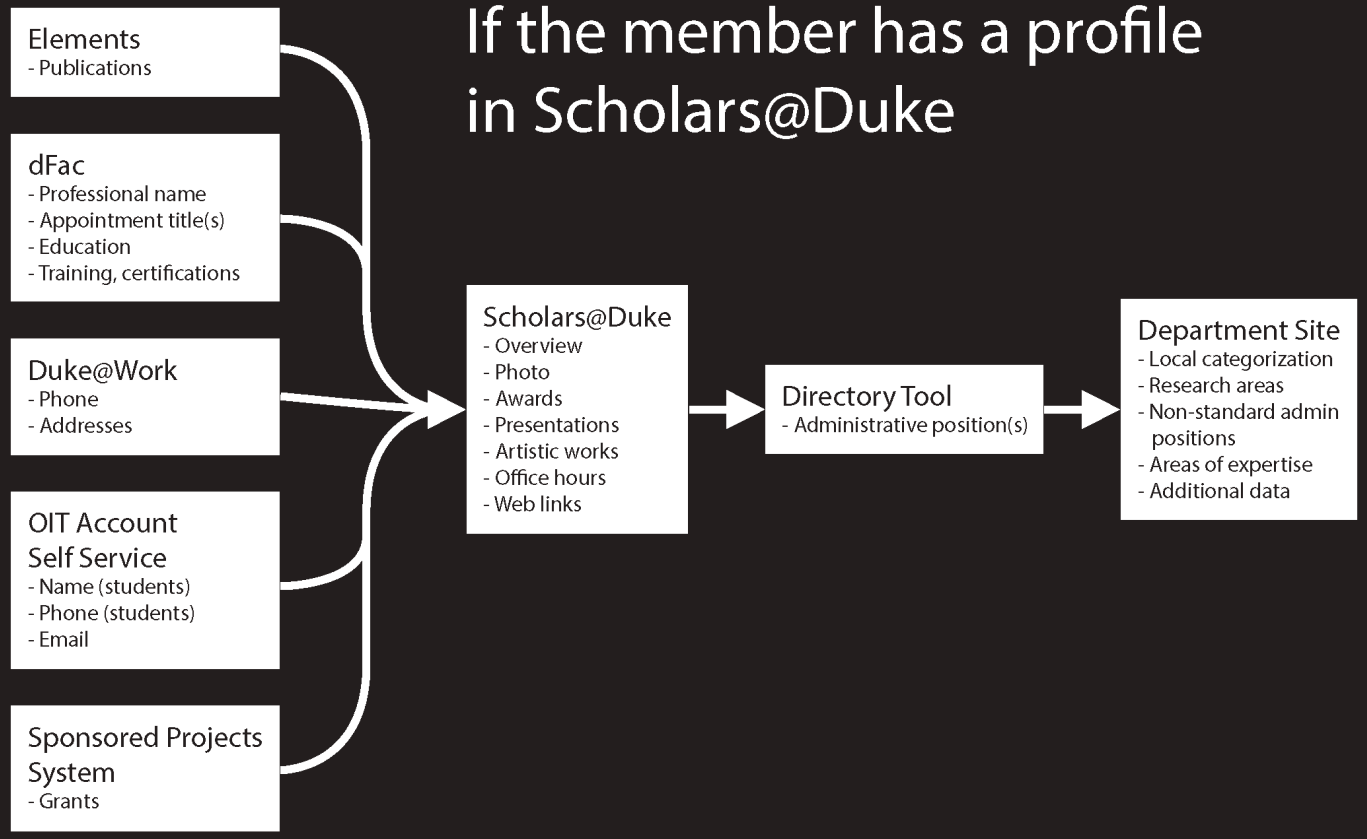
- *Content editors* are responsible for the content of their website.
- Your *power users* are responsible for updating profile information
  - Any department member may update his or her profile as well
  - The Scholars list of power users is here: https://about.scholars.duke.edu/locate-power-user
- The *TCA&S team* is responsible for the reliable operation of our directory
- The *Scholars team* manages the Scholars web site and data interaction

Where to Make Profile Updates?

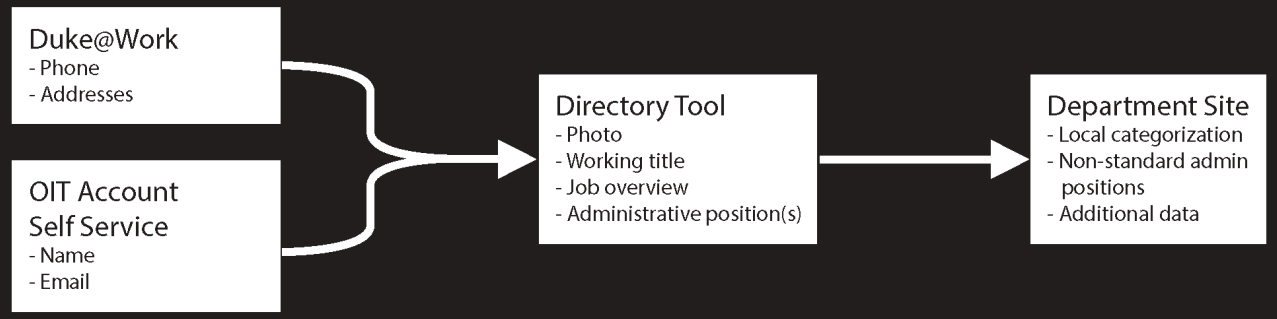
- We support Duke's "System of Record."
- https://directorytool.trinity.duke.edu
  - https://directorytool.trinity.duke.edu/help/profile-data-source

  Handy reference
- scholars.duke.edu
- Your department's website for any unique profile data
- The next two slides provide a different view of the data sources

If the member has a profile in Scholars@Duke



If the member does not have a profile in Scholars@Duke



Remember

1. Your group's profile data also goes to trinity.duke.edu's master directory for all Trinity College of Arts & Sciences members.

   https://trinity.duke.edu/directory

2. You may have to wait up to 48 hours to see your profile changes apply to your web site.
3. What about unpublished department member nodes?

Who Do I Contact for Help?

- **Simple rule:** Confirm Scholars profile data. If Scholars data is incorrect, then contact your power user.
- If Scholars profile data is correct, but your website's data is incorrect, then contact:

trinitywebsupport@duke.edu

And not any single TCA&S staff member's address, please.

Questions?

?

Thank You!

!

What I did

at the 2022 DrupalCon,

Portland, OR

My summary

If I had more time, I would have written a shorter letter.

— Blaise Pascal

Trimming the fat

- “Driesnote” redefining who does what, removing old baggage, placing an emphasis on DEI
- My Code+ presentation
- Moving DEI to an open source model, led by an NCSU Poole professor, Demetris Cheatham
- Reaping the benefits of moving to a Symfony backend with D10 readiness
- Git semantic versioning
- DrupalPod