

Content Sync Across Environments

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Who We Are . . .

Software Engineering team at Palladian Partners.



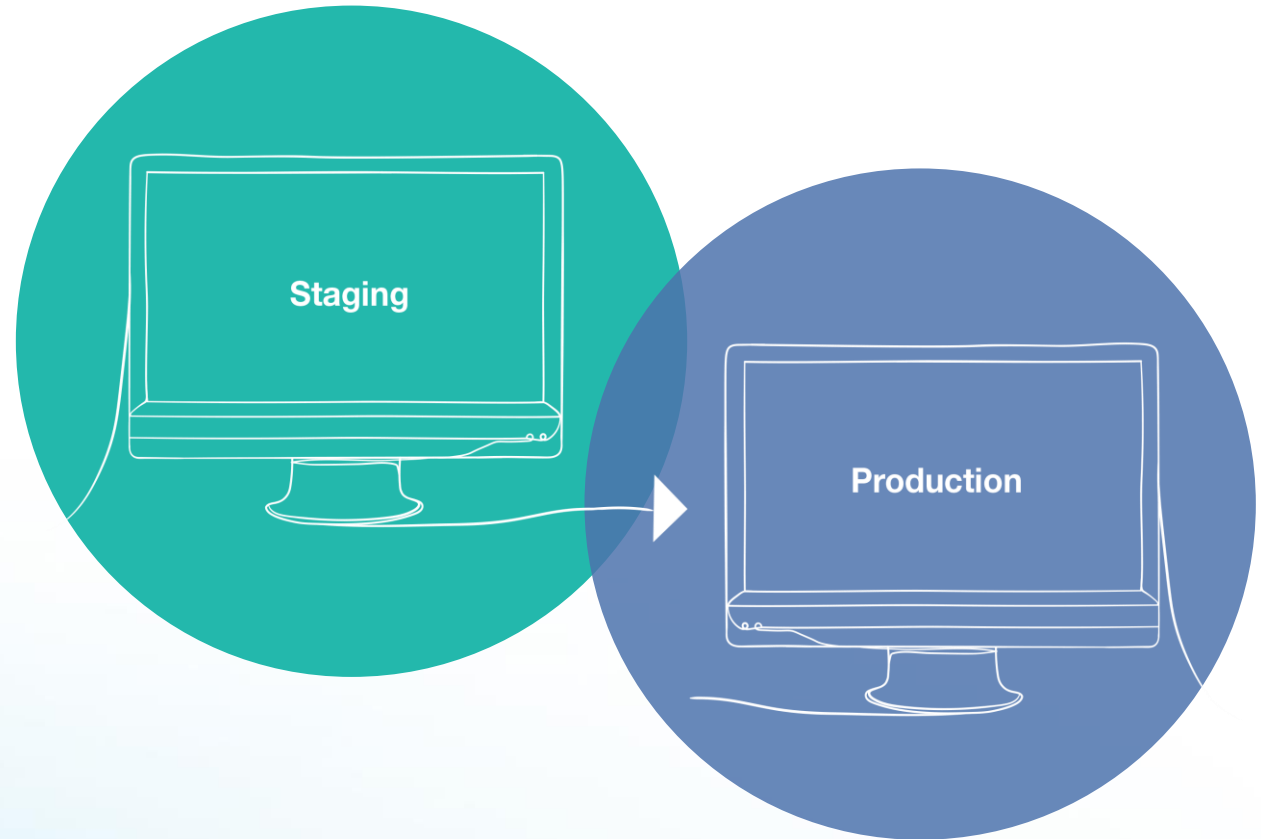
Together, we have 20+ years of Drupal Development specializing in theming and custom modules.

Who We Are . . .

Palladian Partners, Inc. **translates evidence-based research into communication** about science and health for ordinary people. It provides strategic services, such as campaign development and implementation, marketing and communications, media planning and monitoring, consumer outreach, audience research, and **Website content and multimedia strategy**

Use Case . . .

Drupal 9+ Site that lives on two or more environments and requires content to be transferred between environments without an engineer.



Our Server Setup...



- Dev sandbox
- Functionality testing is performed here
- No client access



- Content updates
- Content Review by Internal client, Client, SMEs, etc.
- Functionality testing with real content



- Emergency content updates only

Past Solutions . . .

Deploy

Drupal 7 and Drupal 8 - 8.4

Allowed for individual page publishing, block publishing, and files.

Had environment selection

<input type="checkbox"/>	TITLE	TYPE	AUTHOR	STATUS	UPDATED	LANGUAGE	OPERATIONS
<input type="checkbox"/>	chA Promo - That's A Promo new	Airing	Anonymous (not verified)	published	01/24/2013 - 10:08am	Language neutral	edit delete
<input type="checkbox"/>	Infynit Hour REWIND! new	Airing	Anonymous (not verified)	published	01/24/2013 - 10:08am	Language neutral	edit delete
<input type="checkbox"/>	chA Promo - 16 var length 2 .30 new	Airing	Anonymous (not verified)	published	01/24/2013 - 10:08am	Language neutral	edit delete

Other Solutions . . .

CMS Content Sync

Allowed for individual entity publishing and files

Service Charges

3rd party environment for file transfer

Acquia Content Hub

Did not allow for true stage and production environments

Writing Directly to Production server

User errors

Security Concern

Database copy

Does not allow for individual page publishing

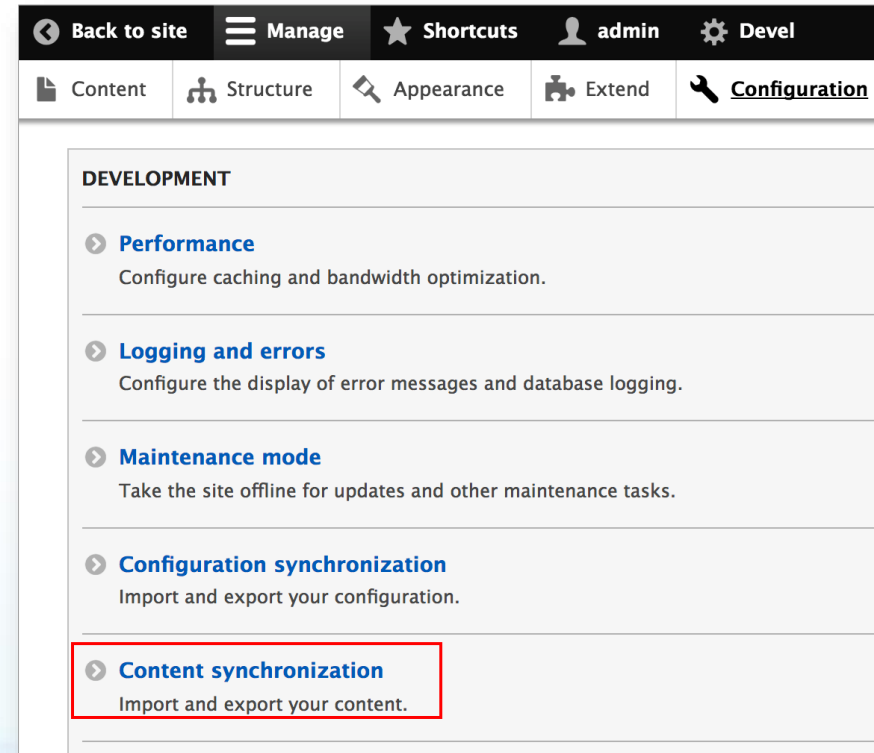
Requires engineer

Content Synchronization . . .

Our solution leverages the existing module Content Synchronization

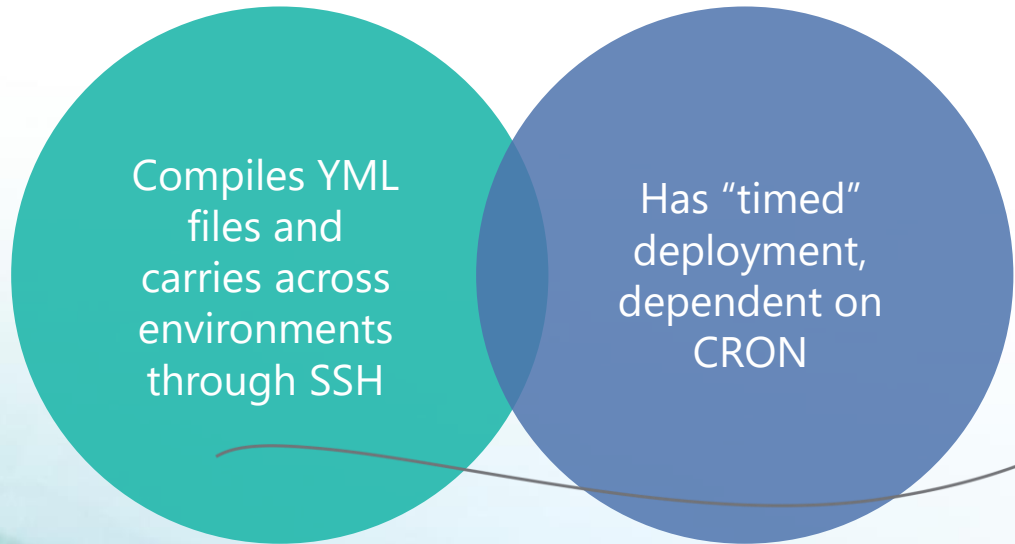
Exports entities to YML files

Exports related content YML files
(entity reference, menu, user, etc)



Our Solution . . .

Leverages Content Synchronization module...



Requirements:

- SSH access to environments

In Progress:

- Files
- Path Auto

Set Up. . .

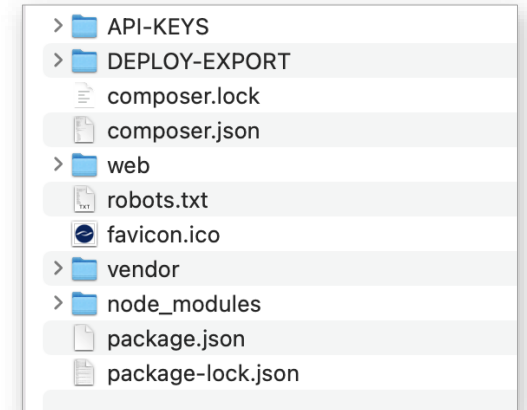
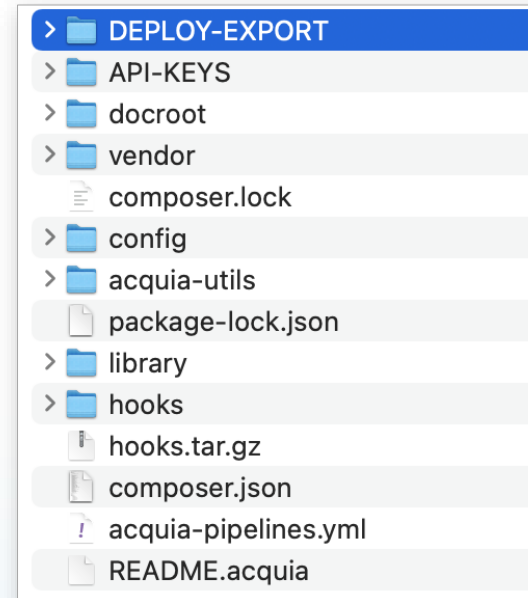
Create API Key Folder (with proper keys)
and deploy content folder at root level
on all environments

Enable Module

Provide environment variables

Set up permissions

Deploy!



Environment Settings ☆

ImportExportDeploySchedule Deploy LogsEnvironment SettingsSynchronizeLogsSettings

Auto Deploy directory for current site *

This is the directory path for auto-deployment on current site. Please use the server path for directory. Example : /my/auto-deploy/dir/path

Dev Environment

Dev Environment URL

This is the url of the dev site and if anything given in this field then below SSH details will be considered required. Example : https://example.com

SSH Details

Stage Environment

Stage Environment URL

This is the url of the Stage site and if anything given in this field then below SSH details will be considered required. Example : https://example.com

SSH Details

User Name

This is the SSH user name of the stage site.

Host

This is the SSH host of the stage site.

Authentication Type

Password ▾

This is the method with which SSH connection will be authenticated.

Password

This is the SSH password of the stage site.

Port

Port to maintain SSH connection. If left empty, default port 22 will be considered.

Auto-deploy directory path

This is the directory path for auto-deployment on stage site. Please use the server path for directory. Example : /my/auto-deploy/dir/path

Production Environment

Production Environment URL

This is the url of the Production site and if anything given in this field then below SSH details will be considered required. Example : https://example.com

SSH Details

Stage Environment

Stage Environment URL

This is the url of the Stage site and if anything given in this field then below SSH details will be considered required. Example : https://example.com

SSH Details

User Name

This is the SSH user name of the stage site.

Host

This is the SSH host of the stage site.

Authentication Type

Key ▾

This is the method with which SSH connection will be authenticated.

Public Key Path

Add the SSH public key path here. Please use the server path here and this path should be of Current server. Example : /mydir/.ssh/id_rsa.pub

Private Key Path

Add the SSH private key path here. Please use the server path here and this path should be of Current server. Example : /mydir/.ssh/id_rsa

Port

Port to maintain SSH connection. If left empty, default port 22 will be considered.

Auto-deploy directory path

This is the directory path for auto-deployment on stage site. Please use the server path for directory. Example : /my/auto-deploy/dir/path

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Deploy content

Warning: Give content on Dev Environment

Deploy content **on Dev environment**

Warning: Give to trusted roles only; this permission has security implications.

Deploy content **on Prod environment**

Warning: Give to trusted roles only; this permission has security implications.

Deploy content **on Stage environment**

Warning: Give to trusted roles only; this permission has security implications.

How to Deploy Content...

[Import](#) [Export](#) [Deploy](#) [Schedule Deploy Logs](#) [Environment Settings](#) [Synchronize](#) [Logs](#) [Settings](#)

^ Filter

Title:

Content type:

-Any-

Published status:

-Any-

Language:

-Any-

Filter

Reset

^ Action

Target Environment*

☐ Dev

☒ Prod

Deployed Node Status*

☒ Published

☐ Unpublished

Deployment Time*

mm/dd/yyyy

--:--:--

Deploy

<input type="checkbox"/>	Title	Url	Content Type	Author	Status	Updated
<input type="checkbox"/>	Testing	/testing	page	Palladian Partners	Unpublished	01/06/2023 14:27

Patch on issue #3361125

Content Synchronization » Issues

Content Sync across environments

My team and I at Palladian Partners have worked on a solution to carry content between environments.

Users have the ability to schedule content deploys, and can choose individual pages to push between environments.

A patch has been created to consolidate this functionality and share with the community.

Comment	File	Size	Author
#2	content_sync-deploying-3361125-1.patch	64.43 KB	darcy-jean

Tag1 supports the Drupal Project.



Comments

darcy-jean

Credit

commented 3 minutes ago

#1

[Log in or register](#) to post comments

darcy-jean

Credit

commented 2 minutes ago

#2

File	Size
content_sync-deploying-3361125-1.patch	64.43 KB

[Log in or register](#) to post comments

darcy-jean

Credit

commented 2 minutes ago

#3

Issue summary: [View changes](#)

[Log in or register](#) to post comments

Active	
Project:	Content Synchronization
Version:	3.0.x-dev
Component:	Code
Priority:	Normal
Category:	Feature request
Assigned:	darcy-jean
Reporter:	darcy-jean
Created:	17 May 2023 at 23:00 UTC
Updated:	17 May 2023 at 23:05 UTC

Jump to comment: [Most recent](#), [Most recent file](#)

[Add child issue, clone issue](#)

Questions?

webdev@palladianpartners.com

Reach out any time, we love Drupal!