

adaptTo()

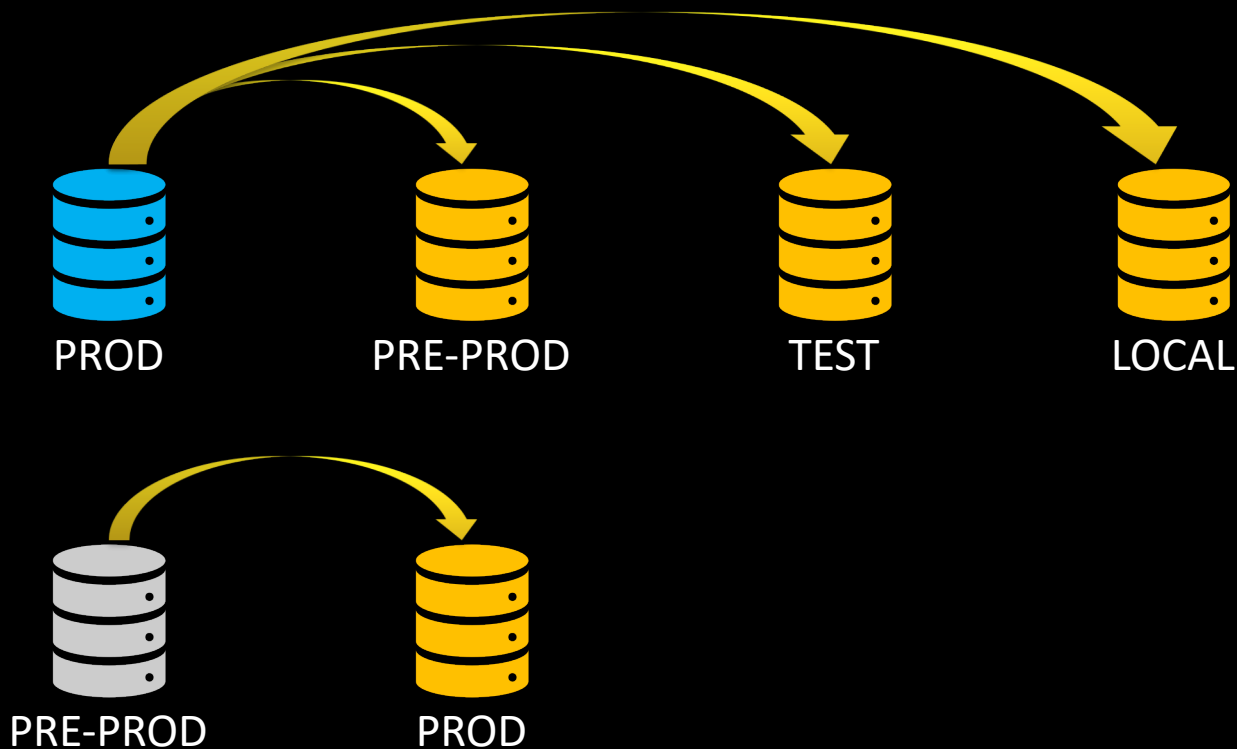
EUROPE'S LEADING AEM DEVELOPER CONFERENCE

28th – 30th SEPTEMBER 2020

Content Sync Automation

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Content Sync – Why That?



- Test content requires additional effort
- Faster reaction to production issues
- Better local testing
- QA tests on real pages
- Regular reset of changes



Production content is the best test content!

- Pages + XF
- Assets
- Configuration (templates, CA config)
- Tags
- ...

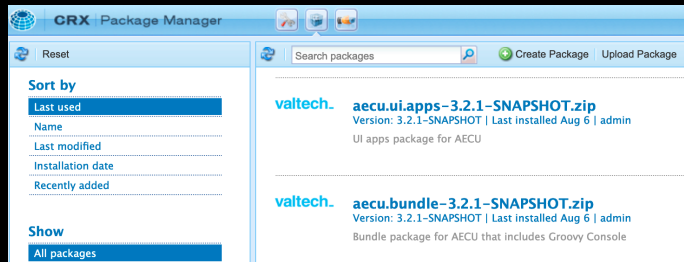


- Disk usage, network traffic, ...
 - We live in 2020
- QA cannot test because content is reset
 - In most cases no issue
 - Keep stories small and testable in one day
 - Issues only for large epics

- Solutions:
 - Prefill CA config via script/use override provider
 - Exclude test path from sync
 - Content package backup
 - Pause content sync

Tooling

- AEM standard feature
- Well-known and easy to use
- Simple ZIP format
- Exclusion patterns
- Automate with curl



```
curl -u admin:admin -X POST http://localhost:4502/crx/packmgr/service/  
script.html/etc/packages/my_packages/test-1.zip?cmd=build
```






















- Command line tool
- Copy via network
- Syncs two node trees
- Exclusion patterns



```
vlt rcp -r http://admin:admin@source:4502/crx/-/jcr:root/content/source  
http://admin:admin@destination:4502/crx/-/jcr:root/destination
```

- Command line tool
- Copy on file system level
- Exclusion patterns
- Supports versions
- Downtime

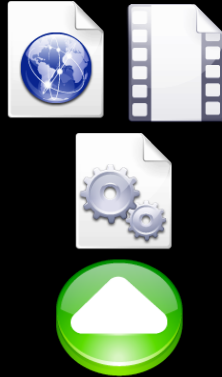


	Content Packages	vlt rcp	CRX2Oak
Easy Handling			
Local development			
Large repositories (> 100GB)			
Filter rules			
Performance			
Disk usage			
Mixed AMS Ep. + self-hosted			

Building the Sync Pipeline

- Sync author/publish separately
- Separate asset sync
- Handle environment specific config
- Handle content upgrades with AECU

A - P



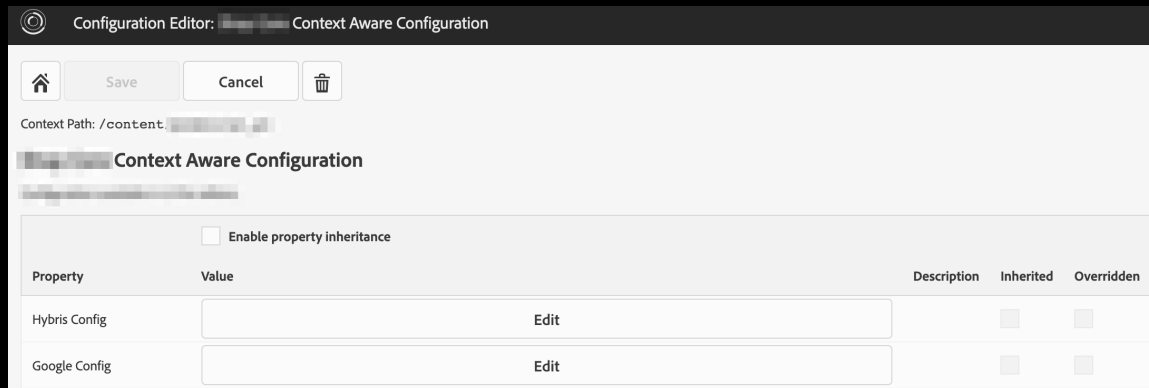
- Pages, XF
- Tags, context aware configuration
- Low volume of data
- Run daily



- DAM Assets
- High volume of data
- Run weekly
- Disable workflow launcher components
 - `com.adobe.granite.workflow.core.launcher.WorkflowLauncherImpl`
 - `com.adobe.granite.workflow.core.launcher.WorkflowLauncherListener`



- Sync CA configuration
 - Exclude environment specific nodes
 - Use nested CA configuration



The screenshot shows the 'Configuration Editor: Context Aware Configuration' window. It features a top bar with a home icon, 'Save', 'Cancel', and a trash icon. Below this, the 'Context Path' is set to '/content:'. The main section is titled 'Context Aware Configuration' and includes a checkbox for 'Enable property inheritance'. A table lists configuration properties with columns for Property, Value, Description, Inherited, and Overridden.

Property	Value	Description	Inherited	Overridden
Hybris Config	<input type="text"/> Edit		<input type="checkbox"/>	<input type="checkbox"/>
Google Config	<input type="text"/> Edit		<input type="checkbox"/>	<input type="checkbox"/>

- Production content can be incompatible to latest code
- Sync AECU history
 - /var/aecu-installhook
- Rerun AECU scripts with JMX
"executeWithHistory()"



de.valtech (AECU)

AEM Easy Content Upgrade

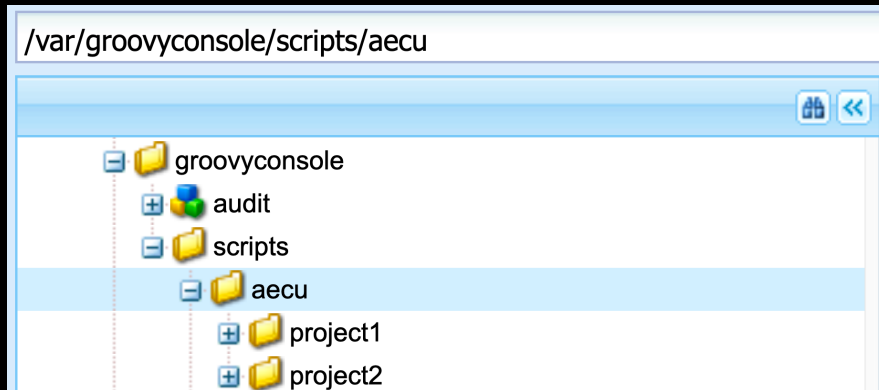
Attributes

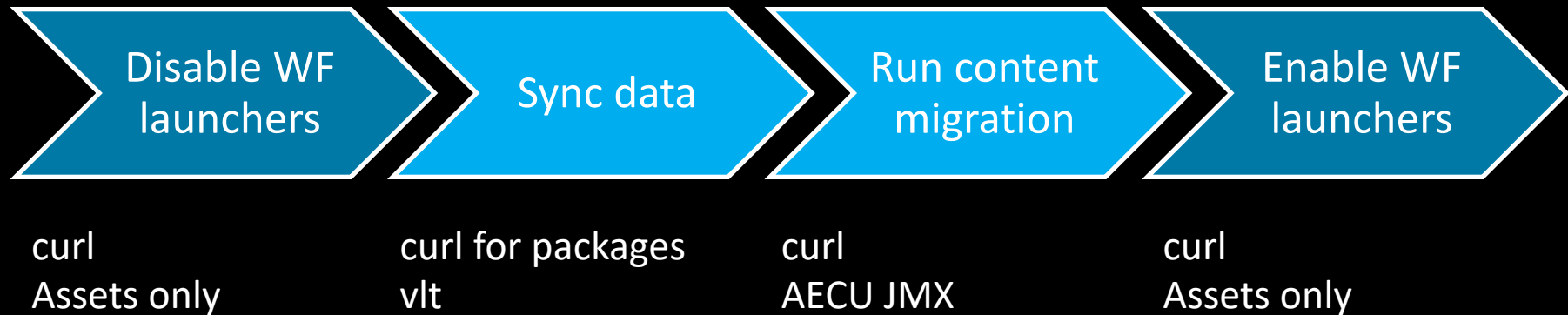
Attribute Name	Attribute Value
Version	3.2.1.SNAPSHOT

Operations

Return Type	Name
java.lang.String	<u>executeWithHistory(java.lang.String Path)</u> Executes a single file or all files of a folder structure. Additionally, the install hook history will be checked if scripts need to be run. History will also be updated for executed scripts.
java.lang.String	<u>getHistory(int Start index, int Count)</u> Returns the last history entries
java.lang.String	<u>execute(java.lang.String Path)</u> Executes a single file or all files of a folder structure

- Split sync jobs
- Organize AECU scripts in subfolders
- Sync relevant AECU history





Links

- AECU

<https://github.com/valtech/aem-easy-content-upgrade>

- vlt rcp

<http://jackrabbit.apache.org/filevault/rcp.html>

- oak-upgrade

<https://jackrabbit.apache.org/oak/docs/migration.html>

Questions?