

adaptTo()

APACHE SLING & FRIENDS TECH MEETUP
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CQ5 Groovy Console

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Introduction

During any project and often post go-live, situations arise that require content manipulation, searches, recursive updates, and/or frequent content tasks.

Ways to Accomplish?

- Old Skewl
 - Write component/java, put on page, run it
 - Selectors/globbing patterns for additional params
- Newer
 - Write servlet, call it via sling
- Or?

Options?

- Python
- Ruby
- Scala
- Freemarker
- Velocity
- Java
- EcmaScript (you know you miss it!)
- ???

- **Why Groovy?**
 - I already know Java
 - I have a bunch of source code from past CQ projects to draw from
 - Groovy script is pretty forgiving (both a pro and a con)
 - I can use the CQ5 Groovy Console
 - And...

- Adobe Partner, City Tech Inc. has created a CQ 5 Groovy Console that is a 'swiss-army knife' for any CQ developer or CQ sys admin. This workshop will look at how to install and use the CQ5 Groovy Console.
 - <http://www.citytechinc.com>

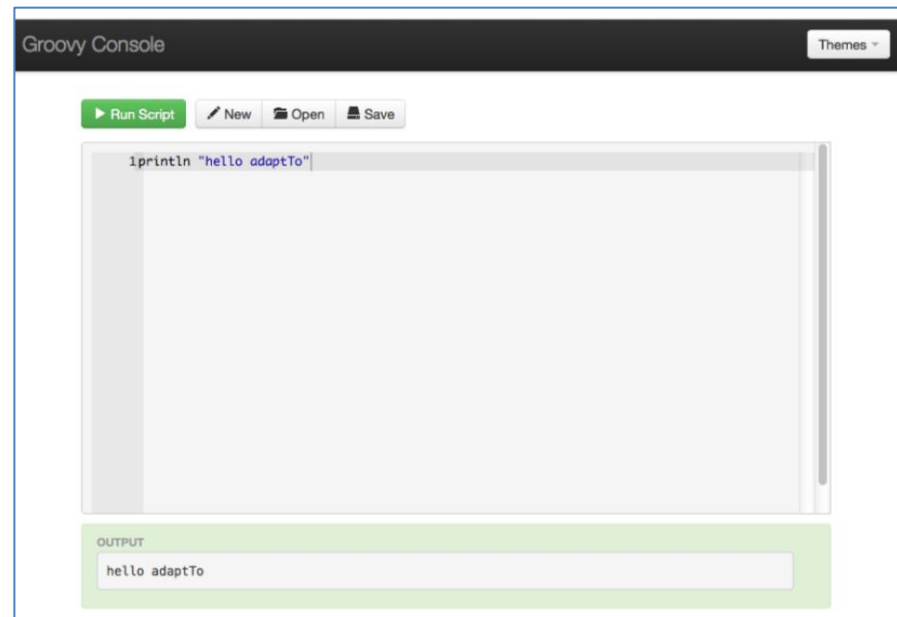


Why: CQ5 Groovy Console

- Provides a simple scripting interface for:
 - Content manipulation, searches, recursive functions
- Examples include:
 - POC scenarios...
 - Refactored template or component needs to be updated across hundreds to thousands+ pages
 - Site structure analysis – how many instances of a template, component, or property are used
 - Taxonomy modification – adjusting design template properties, etc.
 - Add/remove pages across a site based on specific criteria

How: CQ5 Groovy Console

- Underlying SLING framework provides Groovy support:
 - <https://issues.apache.org/jira/browse/SLING-315>
- Inspired by Guillaume Laforge's [Groovy Console](#), [Mark Daugherty](#) (of City Tech, Inc.), built the CQ5 Groovy Console



Installing: CQ5 Groovy Console

- Can be downloaded from github and installed via Maven:
 - <https://github.com/Citytechinc/cq5-groovy-console>
 - `mvn install -P install-groovy,install-console,local-author`
 - Will install Groovy OSGI bundle
 - Will install Groovy Console
 - Can be found at
`<localhost>:<port>/etc/groovyconsole.html`

OOB - Examples

- Dump Bindings
- Find Component
- PagesWithTemplate
- ListTemplate
- Search

- Todd's recommendation:
 - Keep this tool on your local dev env

Comments or Question?

- Thank you to those active on the various CQ User Groups!

The End

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