



**adaptTo()**

APACHE SLING & FRIENDS TECH MEETUP  
BERLIN, 26-28 SEPTEMBER 2012

**CQ5 Groovy Console**

Todd J. Haser

todd.haser@gmail.com

# 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/globbering 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...

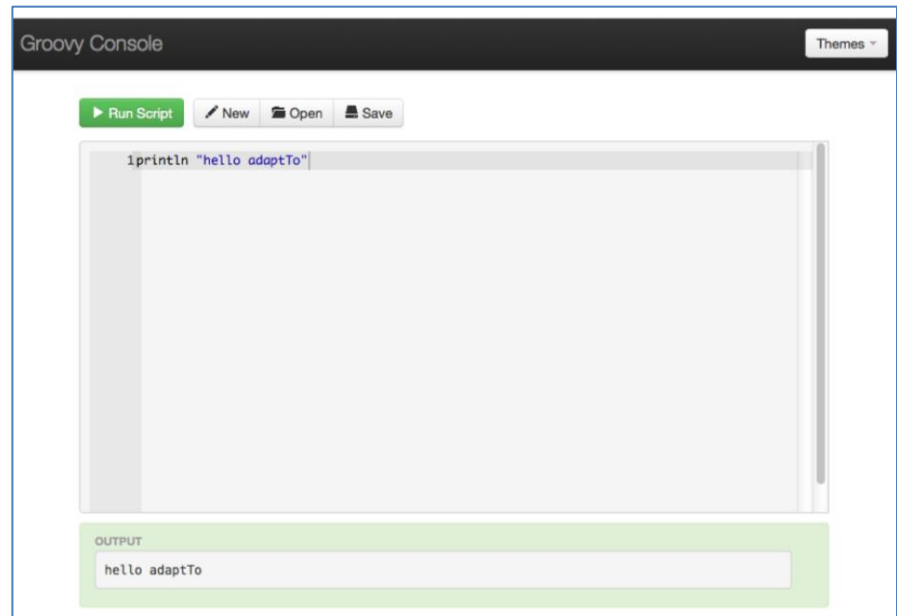


# Why: CQ5 Groovy Console

- 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

[todd.haser@gmail.com](mailto:todd.haser@gmail.com)