Apache Sling

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ApacheCon

Leading the Wave of Open Source

General Request Processing
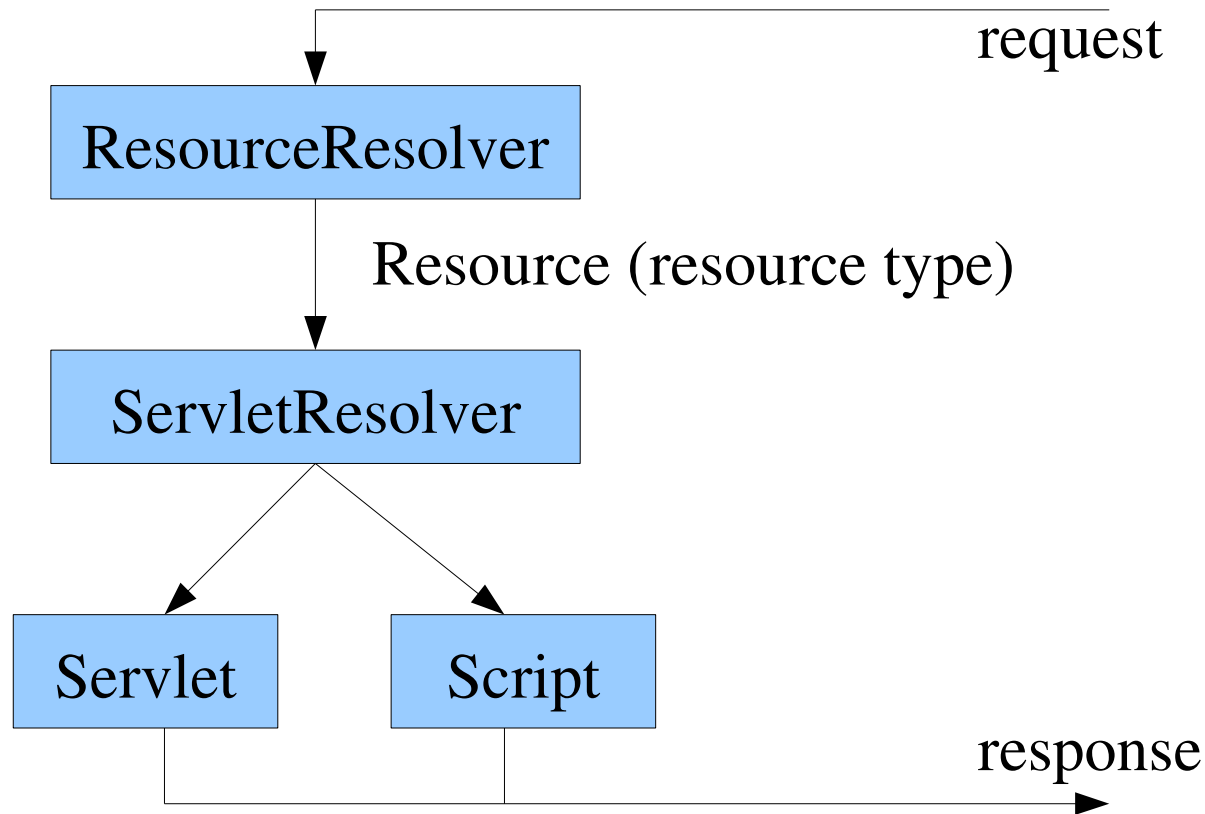
URI Decomposition

`/content/page.print.a4.html`

Resource Path — Selectors — Extension

Servlet Resolution

- Registered Servlets
  - Resource Type
- Scripts
  - ScriptResolver
- DefaultServlet
  - Fallback / Last Ressort

ScriptResolver

- Path to Script built from ...

  - Defined Root (/sling/scripts)

  - Resource Type converted to path (nt/file)

  - Selector String (print/a4)

  - Request Method & MIME Type
    - GET --> MIME Type (html für text/html)
    - else --> Method Name (POST, PUT, ...)

Leading the Wave
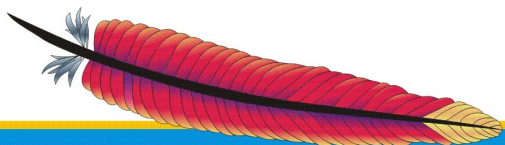of Open Source
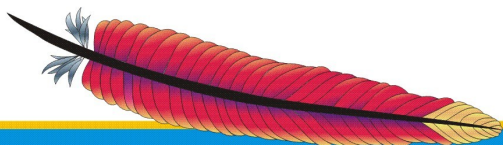
ScriptResolver Example

- URI: /content/page.print.a4.html

- Resource: /content/page

- Resource Type: sample:page

- Script for GET:

    – /sling/scripts/sample/page/print/a4/html.*

- Script for POST:

    – /sling/scripts/sample/page/print/a4/POST.*

Facts

- Sling API
  - No Reference to JCR API

- Modular and Runtime Configurable
  - OSGi Framework

- Two Flavors
  - microsling – simple, selfcontained, entry
  - Sling – OSGi Bundles, flexible, extensible

microsling

- Selfcontained Web Application

- Deploy to favourite Servlet Container

Sling

- Two Deployments
  - Standalone, Executable JAR File
  - Web Application

- Launches OSGi Framework

Questions