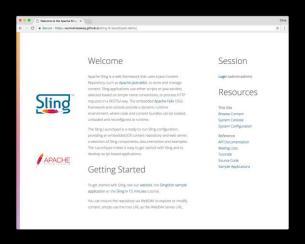


APACHE SLING & FRIENDS TECH MEETUP BERLIN, 25-27 SEPTEMBER 2017

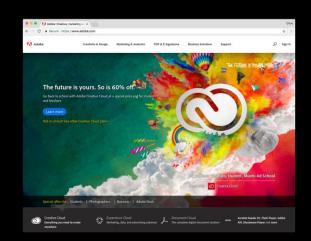
Slick — Not your typical Sling Blog Engine Chris Millar, Adobe Systems.



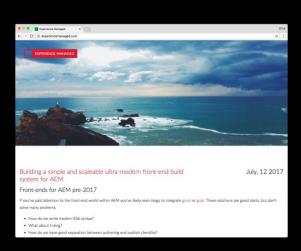
Who am I?



Sling 9 Launchpad



adobe.com



experiencemanaged.com



What is Slick?



A blog engine obsessively crafted around Apache Sling and related technologies.

(it's not a CMS)



Why was Slick built?

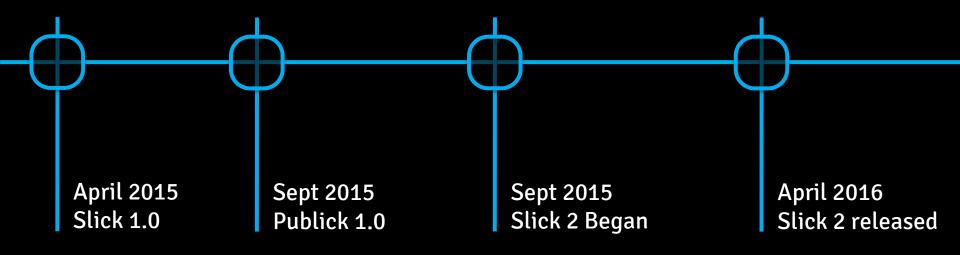
1 had **a lot** to learn.

Writing a blog about a Java application using a PHP blog engine seemed wrong.

3 Sightly was contributed to Apache Sling.



History





What can it do? - Authors & Visitors

Easy to get creating content fast.

Creating and editing posts, pages, media, and tags.

Post and Page Scheduling

WYSIWYG Editor

RSS 2.0 Feed

Accent color support

Commenting

Authentication and user management

Search

Analytics, SEO, and social integrations

Pagination

Basic Localization



What can it do? – Developers

Proper OSGi services and configurations

Sling Models used extensively

Dispatcher support**

Entire stack written to be easy to maintain (Java, JS, HTL, SCSS)

Front-end build process is part of autoInstallBundle.

Uses a Maven multi-module project similar to AEM Archetype

Travis CI Integration

Basic localization string support

Eclipse Sling Plugin support

Container support

Decent Docs

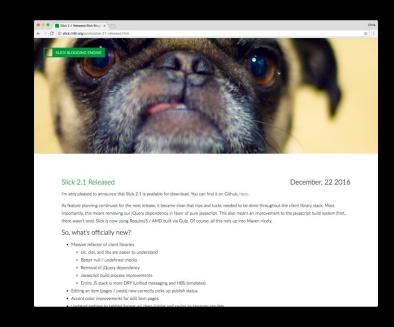


Crazy Fast On-Boarding

\$ java -jar launchpad.jar

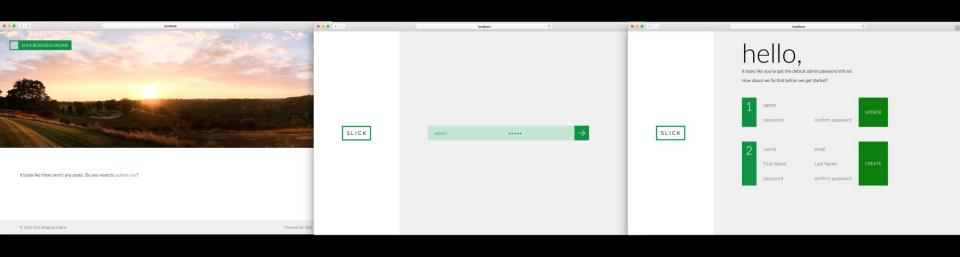


3 minutes





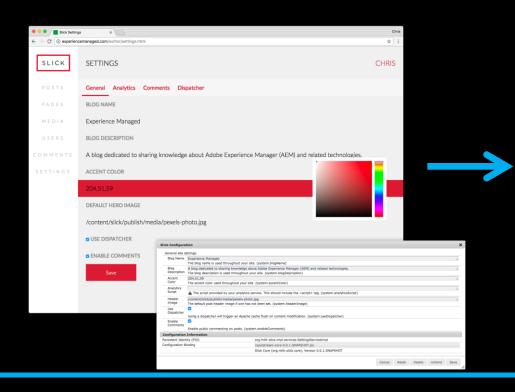
On-Boarding

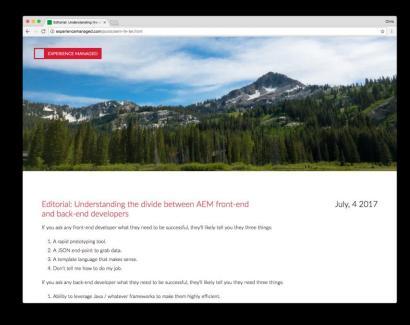


9



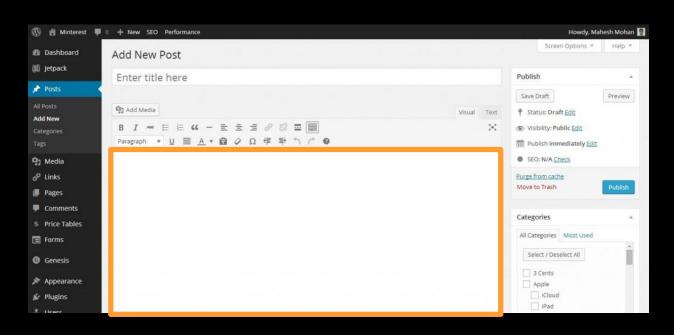
Settings & Themes







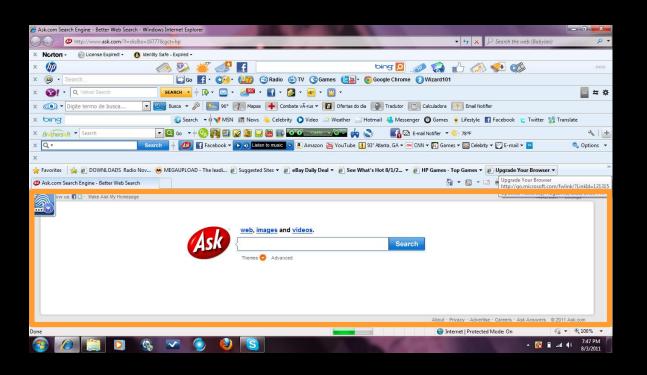
WYSIWYG Editor



A rant



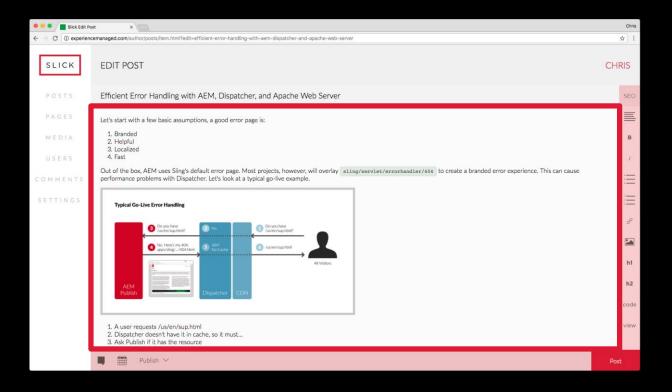
WYSIWYG Editor



Remember this?



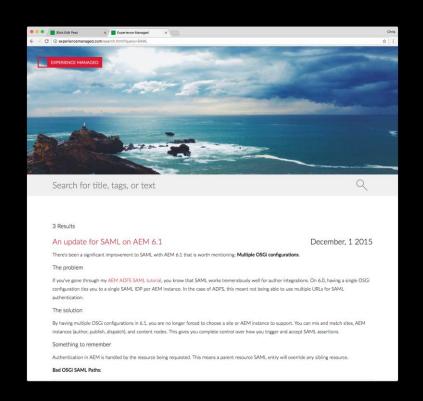
WYSIWYG Editor



Respect
The Content



Search



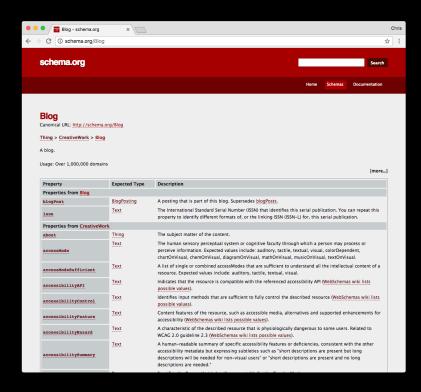
Search

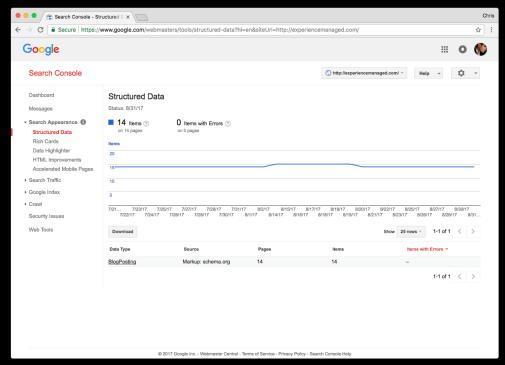


Search

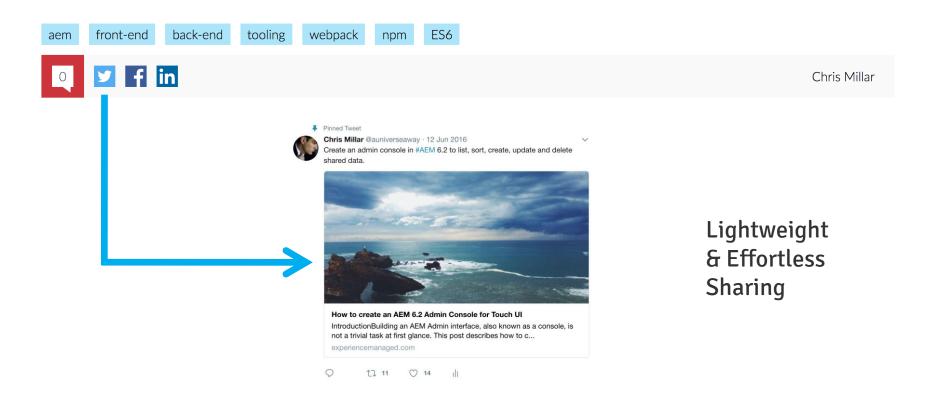
(nothing too impressive)











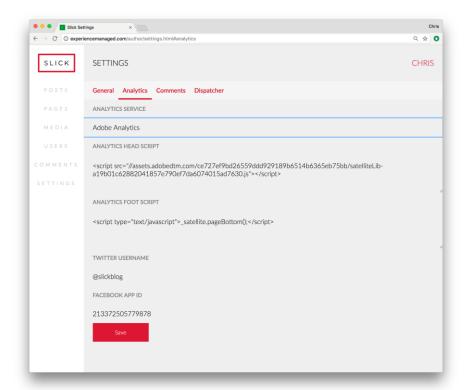


How lightweight?

```
Raw Blame History 🖵 🧨 🗊
55 lines (49 sloc) | 1.73 KB
   1 /*global window, define */
  3 * Analytics, Social, and SEO Functions.
  5 * This module will handle new windows for social sharing.
  6 * If analytics are enabled, send the appropriate events to those services
  B define(function () {
         'use strict':
         var analyticsType = document.body.dataset.analyticsType;
          * Send social information to analytics services.
         * @param {String} shareUri The URL we're sharing.
         * @param (String) socialNetwork The social network.
          var trackLink = function (shareUri, socialNetwork) {
            if (analyticsType === 'adobeAnalytics') {
                var s = window.s_c_il[0];
                    s.tl(shareUri, 'o', socialNetwork, {linkTrackVars: 'prop1', prop1: s.pageName});
            } else if (analyticsType === 'googleAnalytics') {
                if (window.ga) {
                     window.ga('send', 'social', socialNetwork, 'Share', shareUri);
 30
          var forEach = function (array, callback, scope) {
             for (i = 0; i < array.length; i += 1) {
                 callback.call(scope, array[i]);
         var handleClick = function (element) {
          element.addEventListener('click', function (event) {
               event.preventDefault();
                var socialNetwork = this dataset socialNetwork:
                var shareUri = this.dataset.shareUri;
                trackLink(shareUri, socialNetwork);
                 window.open(this.getAttribute('href'), socialNetwork, 'height=500,width=575');
            }, false);
          var socialLinks = document.querySelectorAll('.social');
         if (socialLinks) {
             forEach(socialLinks, handleClick);
 54
```

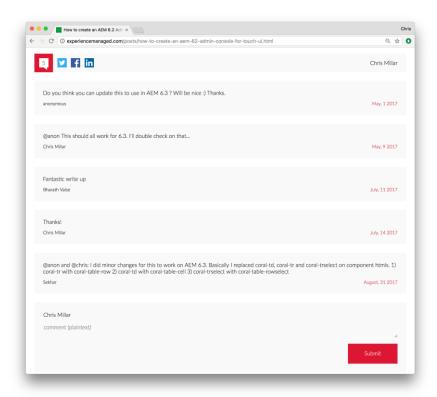


Google Analytics
Adobe Analytics
DTM, GTM
Other (Piwick, Open Analytics)





Comments



So what?



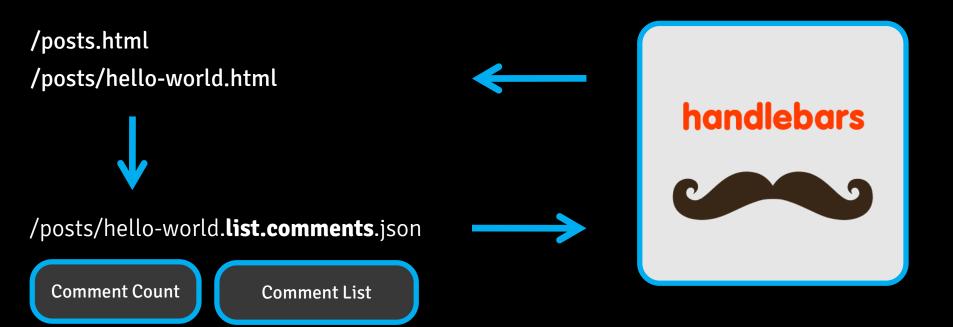
Comments

```
"responseCode": 200
 "responseType": "success"
 "responseMessage": "success",
▼ "content": {
     "count": 5,
   ▼ "comments": [
            "name": "2c45af72-9a12-44d0-92e9-db8c852832fa",
            "author": "anonymous",
            "comment": "Do you think you can update this to use in AEM 6.3 ? Will be nice :) Thanks.",
            "created": "May, 1 2017"
            "name": "0a66c216-6009-437c-8fe2-f3ecb6d984ce",
            "author": "Chris Millar",
            "comment": "@anon This should all work for 6.3. I'll double check on that...",
            "created": "May, 9 2017"
            "name": "06710120-e49b-4cbb-8756-210383cf3149",
            "author": "Bharath Valse",
            "comment": "Fantastic write up",
            "created": "July, 11 2017"
            "name": "14b5381f-1257-457d-bd41-a4ed16a7b5d9",
            "author": "Chris Millar",
            "comment": "Thanks!",
            "created": "July, 14 2017"
            "name": "259131b2-32a4-44c5-8caf-718f6e523299",
            "author": "Sekhar",
            "comment": "@anon and @chris:\r\nI did minor changes for this to work on AEM 6.3. Basically I replaced
            coral-td, coral-tr and coral-trselect on component htmls. \r\n1) coral-tr with coral-table-row\r\n2)
            coral-td with coral-table-cell\r\n3) coral-trselect with coral-table-rowselect",
            "created": "August, 31 2017"
```

Comments are JSON endpoints retrieved via AJAX to optimize for cache-ability.



Architecture - Comments





Dispatcher

Dispatcher is supported

(Legal implications, read fine print)

```
northstar — root@totoro:~ — ssh totoro.millr.org — 156×43
/clientheaders
       $include "clientheaders.any"
/virtualhosts
        $include "virtualhosts.any"
/renders
       $include "renders.any"
/filter
       $include "filter.any"
/cache
        $include "cache.any"
/statistics
        $include "statistics.any"
 /auth_checker
        $include "auth_checker.any"
```



Architecture - Dispatcher Interface

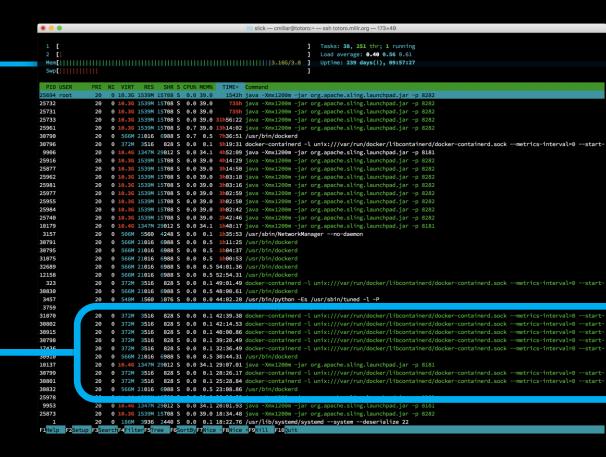
```
16 references
public interface DispatcherService {
    2 references
    Boolean canFlush();
    6 references
    JSONObject flush(String domain, String flushType);
    1 reference
    JSONObject flushAll(String domain);
    1 reference
    JSONObject flushUi(String domain);
    1 reference
    JSONObject flushContent(String domain);
    1 reference
    JSONObject flushContent(String domain, String path);
```

Simple & Powerful Flush Service



Containers

Container Support





Architecture

OSGi Service Implementations

→ impl ▶ settings CommentServiceImpl.java CurrentUserServiceImpl.java DispatcherServiceImpl.java MediaServiceImpl.java OsgiServiceImpl.java PostServiceImpl.java SettingsServiceImpl.java UiMessagingServiceImpl.java UploadServiceImpl.java Activator.java



Architecture

Component
Sling Models
Exposed to pages

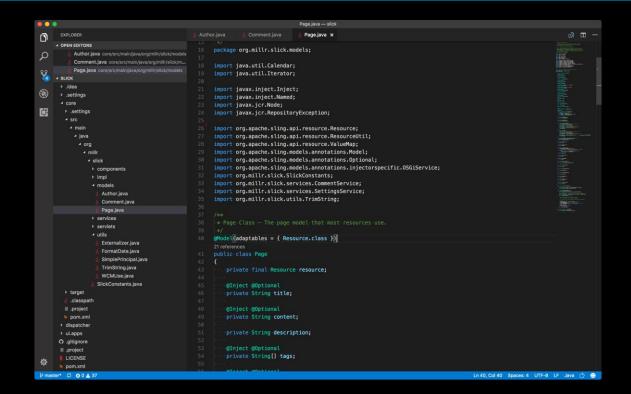




Architecture

Base Sling Models

Page Author Comment





Architecture - HTL

```
${view.page.title}
${view.page.body}
${view.author.firstName}
${view.external.url}
```

Straight-forward Naming conventions

Extensive use of data-sly-template



Architecture - HTL





Architecture - Page.java





Demo



Contact & Links

Slick Source http://github.com/auniverseaway/slick-2

Twitter http://twitter.com/auniverseaway (a universe away)

Slick Blog http://slick.millr.org



Q&A