

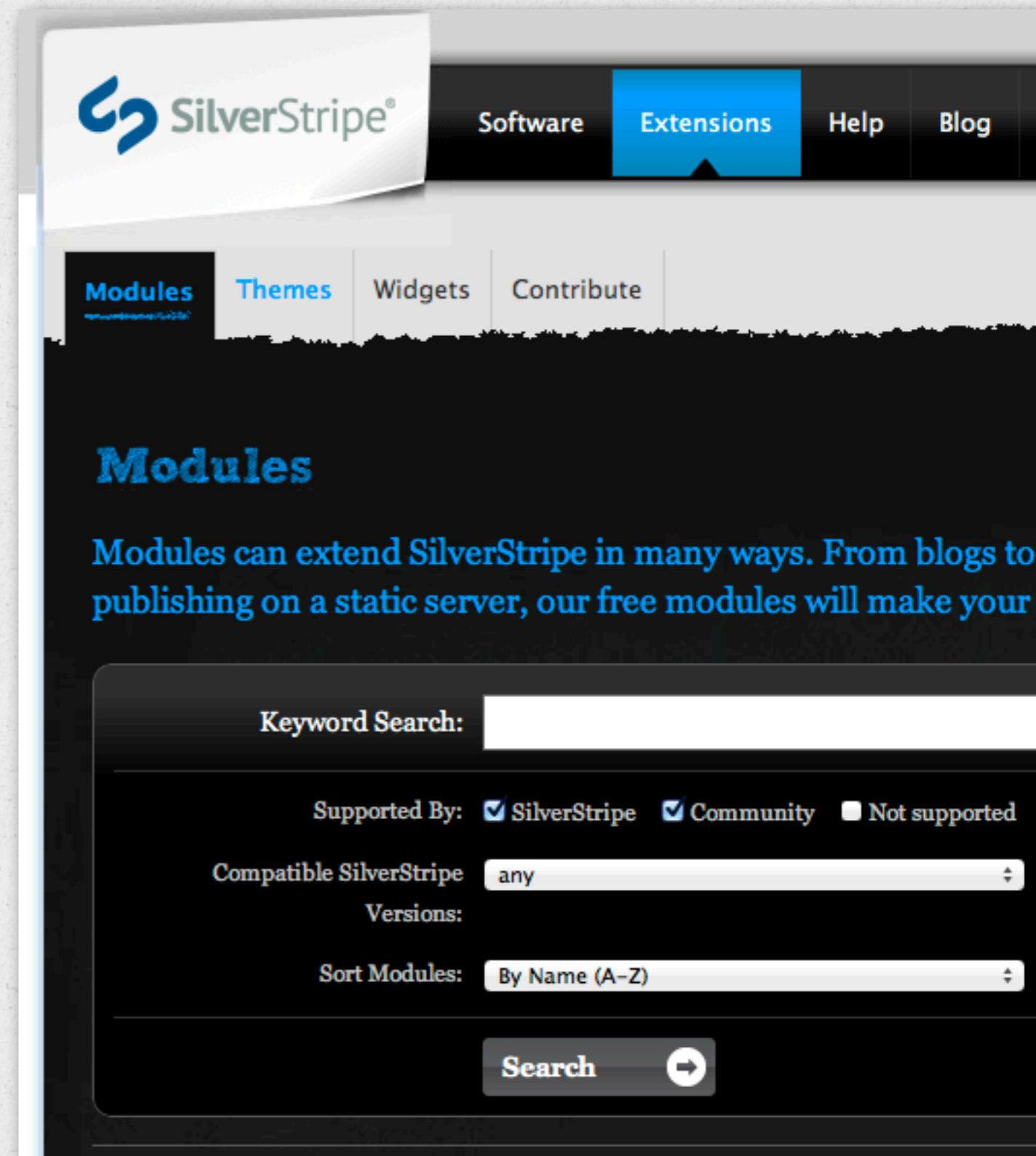
Improving SilverStripe Module Pages

Google Summer of Code 2012

by Vikas Srivastava and Dr. Julian Seidenberg

Current: silverstripe.org/modules

- Not well maintained
- Few search options
- Complicated form to submit new module
- No comments
- No ratings



Module management

- No consistent installation process
- No automatic installation process
- No dependency management

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Installation

Modules should exist in the root folder of *framework*, *cms* and other folders.

The following article explains the generic requirements such as creating folders or specific module see the modules *INSTALL structure* guidelines.

Download

To install a module you need to download root folder mentioned above.

Note some times the folders extracted from need to make sure the folder name is the

Subversion

Option 1: Checkout

```
cd ~/Sites/yourSilverStripeProject/  
svn co http://svn.silverstripe.com/o
```

Note: Some modules are stored in subfolders, widgets, put an `_` between the subfolder name

```
cd /your/website/root  
svn co http://svn.silverstripe.com/o
```

Option 2: Add to svn:externals

```
cd ~/Sites/yourSilverStripeProject/  
svn propedit svn:externals .
```

In the editor add the following line (lines



Dependency Manager for PHP

[Getting Started](#)

[Download](#)

[Documentation](#)

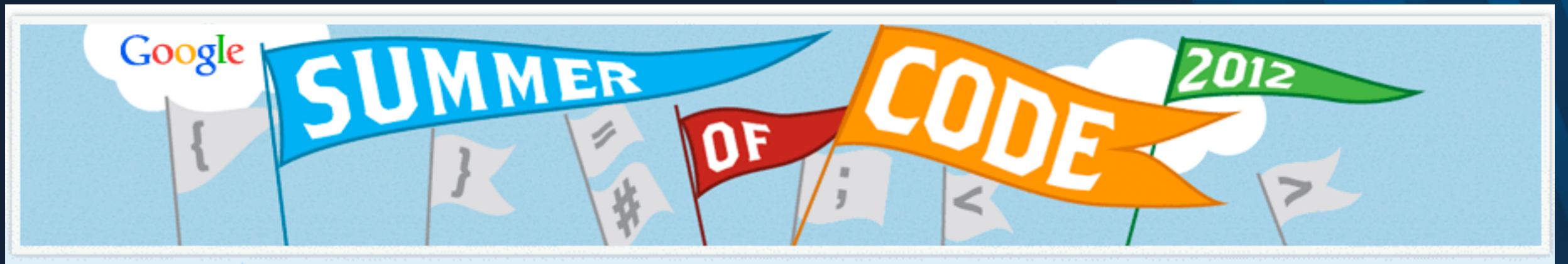
[Browse Packages](#)

[Issues](#)

[GitHub](#)

Better module management

- <http://getcomposer.org>
- Consistent installation process
- Automated module installation
- Dependency management
- Easy to keep modules up-to-date
- Coming in SilverStripe 3.1
 - thanks to AJ Short: <https://github.com/ajshort>



New SilverStripe.org Modules System

- Built on SilverStripe 3.0
- Community managed
- Open-source:
 - <https://github.com/vikas-srivastava/extensionmanager>
- Magic!!

composer.json

1. put “composer.json” into your repository
2. submit your module URL
3. done



```
{
  "name": "silverstripe-labs/googleanalytics",
  "description": "The Google Analytics module consists of...",
  "type": "silverstripe-module",
  "license": "BSD",
  "keywords": ["silverstripe-labs", "googleanalytics", "google"],
  "authors": [
    {
      "name": "Julian Seidenberg",
      "email": "julian@silverstripe.com"
      "homepage": "http://silverstripe.com"
      "role": "primary maintainer"
    }
  ],
  "require": {
    "silverstripe/framework": "3.*"
  },
  "extra": {
    "snapshot" : "https://raw.githubusercontent.com/silverstripe-labs/silverstripe-googleanalytics/master/docs/screenshot.png"
  }
}
```

(more options: <http://getcomposer.org/doc/04-schema.md>)

Behind the scenes

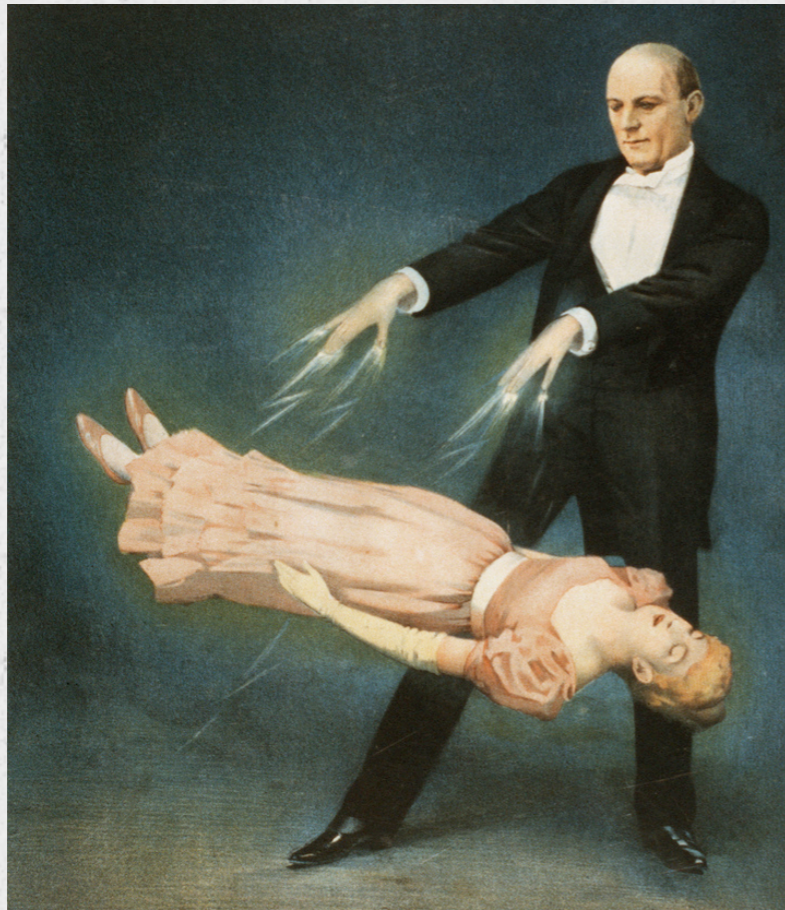
1. User submits module URL (git, hg or svn)
2. Check if new or updated
3. Call Composer system
4. Composer returns all module version data
5. Get master branch
6. Fetch and decode composer.json
7. Save all data fields, create Author records
8. Send email to moderators
9. Moderators approve module
10. Module appears on the website



Roadmap

Coming soon...

- Theming to match SilverStripe.org redesign
- Launch



A bit later...

- Module ratings
- Solr search
- Search integration with silverstripe.org
- Download count tracking
- Integrating bug tracking

Check it out

- **Demo Website**

<http://extension.openbees.org>

- **GitHub Repository**

<https://github.com/vikas-srivastava/extensionmanager>

- **Composer**

<http://getcomposer.org>



Thank you!

Get your composer.json files ready

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Email: julian@silverstripe.com

03 October, 2012 • Wellington, New Zealand



SilverStripe®