CiviCRM Everywhere

Leveraging the API for Seamless CMS Integration

CIVICRM

skvare
square and uneven

A little about me...

- *Senior Developer at Skvare*

- *Using CiviCRM since 2010*

- *Reformed Joomla Evangelist*

skvare
square and uneven

CMS Integration is the

Most Unique Feature

CiviCRM offers.

skvare
square and uneven

Seamless

smoothly continuous or uniform in quality; combined in an inconspicuous way.

skvare
square and uneven

The state of things now

Native modules/extensions/plugins listed on civicrm.org:

- Drupal - 38

- Wordpress - 8

- Joomla - 3

skvare
square and uneven

The state of things now

Available on every platform

- CMS Group/Role to CiviCRM group or membership

skvare
square and uneven

What's Missing?

What's missing

- No native form building capability on Joomla/ Wordpress with Civi integration

- No native support for contribution or registration pages with price sets on any CMS.

What's missing

- Full API coverage for all Civi constructs

- Full API coverage for database and calculated fields

What's missing

- Consistent value output structure for all entities

- Consistent application of API methods across entities

- Consistent handling of single/multi-value custom fields

Not Seamless.

A Vision for CMS Integration

- Consistent interface to all CiviCRM data

- Access all CiviCRM data via API methods

- Alternative Interfaces

- Configurable API output format

skvare
square and uneven

Consistent interface to all CiviCRM data

- API becomes the primary data interface

  - Restructure the API for scaffolding

  - Fully separate the presentation layer

  - Make all forms / pages describable via getfields, getlist

skvare
square and uneven

Access all CiviCRM data via API methods

- Every component, every feature

- Full CRUD capability for all CiviCRM actions, including read/update for all admin settings

- Use permissions to decide availability of an action

skvare
square and uneven

Alternative Interfaces

- Possible to have a headless CiviCRM install

- Command-line interface

skvare
square and uneven

Configurable API Output

- JSON

- XML

- CSV

- Others?

Practical Options for Implementation

- Drupal

- Joomla

- Wordpress

Implementation Options: Drupal

- CiviCRM Entity

  - Available right now

  - Improvement of API structure provides immediate benefit and removes need for workarounds

Implementation Options: Joomla

- Make the frontend CiviCRM component more than a placeholder

  - Use for full-page forms / workflows

  - Form descriptions in JForm XML manifest format

- Auxiliary modules for co-existence with other content

skvare
square and uneven

Implementation Options: Wordpress

- Custom Wordpress component providing custom post types with custom fields.

  - Create integration with Advanced Custom Fields plugin for field administration

skvare
square and uneven

Discussion / Questions

Learn More

Questions? Contact Us

Peter Petrik - CEO peter@skvare.com

Mark Hanna - Architect / Senior Developer mark@skvare.com

Jeremy Proffitt - Senior Developer jeremy@skvare.com / @jproffitt

https://skvare.com | @skvare