

Лекция 15. CMS

- Назначение
- Разновидности
- Примеры



МГТУ им. Н.Э. Баумана, доц. каф. ИУ-6,
к.т.н. Самарев Роман Станиславович

samarev@acm.org

CMS

Content Management System



11.12.2018

- Информационная система, используемая для организации совместного доступа и управления содержимым («контентом»)
 - Инструменты для создания контента
 - Управление хранением
 - Предоставление и поиск информации
 - Обеспечение доступа к информации различных типов (документы, видео, изображения, звук)

CMS по принципу работы



11.12.2018

- С динамической генерацией страниц
- С генерацией при редактировании
- Смешанные



- Сайты-визитки
- Блоги
- Форумы
- Галереи
- Системы дистанционного обучения
- Коллективная работа пользователей
- Wiki
- Интернет-магазины
- Универсальные

CMS

Content Management System



11.12.2018

- Wordpress
 - Drupal
 - TYPO3
 - Joomla!
 - ...
 - 1С Битрикс
 - ...
 - Alfresco
 - Liferay
-
- <http://www.opensourcecms.com> – описание и demo
 - <http://cmslist.ru>
 - <http://www.cmsmagazine.ru/catalogue/>



- GetSimple CMS - <http://get-simple.info/>
- Ruby on Rails
 - Refinery - <http://refinerycms.com/>
 - Radiant - <http://radiantcms.org/>
 - Zena - <http://zenadmin.org/>
 - BrowserCMS - <http://www.browsercms.org/>
 - LocomotiveCMS - <https://github.com/locomotivecms>
 - ...



Сервер выдаёт заранее подготовленные страницы

- HTML + Bootstrap
- Markdown
 - <https://middlemanapp.com/>
 - <https://jekyllrb.com/>
 - <http://nestacms.com/>
 - <https://gohugo.io/>

Radiant



11.12.2018

- Простая CMS для небольших команд
 - Гибкая система шаблонов
 - Возможность использования плагинов
 - Простое управление пользователями

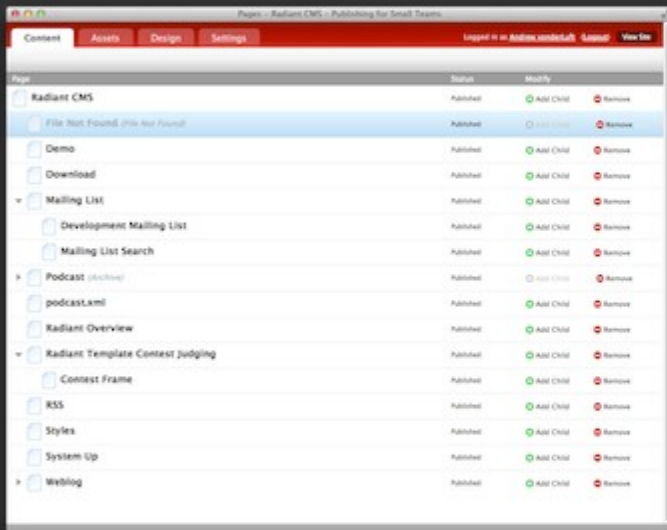
```
% gem install radiant
```

```
% radiant --database  
[mysql|postgres|sqlite3|sqlserver|db2] path/to/project
```

- <http://radiantcms.org/overview/>
- <http://radiantcms.org/demo/>



11.12.2018

**Radiant***content management simplified*

Radiant is a no-fluff, open source content management system designed for small teams.

Radiant features:

- *An elegant user interface*
- *Flexible templating with layouts, snippets, page parts, and a custom tagging language*
- *A first-class extension/plugin system*
- *Simple user management and permissions*

More Features...







Current Version: 1.1.3 This version includes a powerful extension system so developers can tailor Radiant to their specific needs. Head on over to the [download page](#) and get started.

Radiant

Панель администрирования



11.12.2018

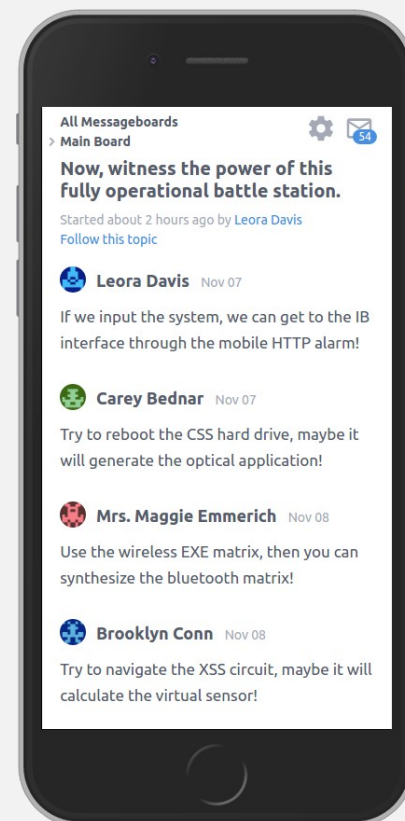
Content Assets Design Settings				Logged in as Administrator (Logout)		View Site
Page	Status	Modify				
 Title	Published	 Add Child	 Remove			
 Products	Published	 Add Child	 Remove			



- PHP
 - WordPress
 - Textpattern
 - Nucleus CMS
- Ruby / Ruby on Rails
 - Jekyll - <https://jekyllrb.com/>
 - LINES - <http://lines.opoloo.com/>
 - Radiant - <http://radiantcms.org/>
 - Refinery - <http://refinerycms.com/>
 - Octopress - <http://octopress.org/>
 - Publify - <https://github.com/publify/publify>



- PHP
 - phpBB – <http://www.phpbb.com/>
 - MyBB - <http://www.mybb.com/>
 - miniBB - <http://www.minibb.com/>
- Ruby on Rails
 - forum/messageboard engine Thredded - <https://github.com/thredded/thredded>



Wordpress



11.12.2018

- PHP
- Блог
- <http://wordpress.org/>
- <http://www.yootheme.com/demo/wordpress>
- <http://www.opensourcecms.com/scripts/details.php?scriptid=88>



11.12.2018

WordPress Demo Install

Just another WordPress site

[Home](#)[Sample Page](#)

Hello world!

Posted on [July 1, 2012](#)

Welcome to WordPress. This is your first post. Edit or delete it, then start blogging!

Posted in [Uncategorized](#) | [1 Reply](#)

1

RECENT POSTS

- [Hello world!](#)

RECENT COMMENTS

- [Mr WordPress](#) on [Hello world!](#)

ARCHIVES

- [July 2012](#)

Управление Wordpress



11.12.2018

WordPress Demo Install 4 + New Howdy, admin

Dashboard

Posts

All Posts
Add New
Categories
Tags

Media

Links

Pages

Comments

Appearance

Plugins 1

Users

Tools

Settings

Collapse menu

WordPress 4.0.1 is available! [Please update now.](#) Screen Options Help

Posts

All (1) | Published (1)

Bulk Actions Apply Show all dates View all categories Filter 1 item

	Title	Author	Categories	Tags		Date
	Hello world!	admin	Uncategorized	No Tags	1	2012/07/01 Published

Bulk Actions Apply 1 item

Octopress



11.12.2018

-
- Ruby on Rails
 - Блог
 - Может быть использован как пример кода
<https://github.com/imathis/octopress>
 - * без поддержки с 2015-го года
-
- <http://octopress.org/>
 - <http://blog.thepete.net/>

OCTOPRESS

A blogging framework for hackers.



11.12.2018

Blog

Documentation

Help

Source

Search

RSS

JUL 23RD, 2011 • [Permalink](#)

Octopress 2.0 Surfaces

Octopress is a framework designed by [Brandon Mathis](#) for [Jekyll](#), the blog aware static site generator powering [Github Pages](#). To start blogging with Jekyll, you have to write your own HTML templates, CSS, Javascripts and set up your configuration. But with Octopress All of that is already taken care of. Simply [clone or fork Octopress](#), install dependencies and the theme, and you're set.


What's new in 2.0?

Short answer: Everything. Octopress is now based on [mojombo/jekyll](#)

Latest Tweets



Status updating...

 [Follow @octopress](#)



- PHP
 - Zenphoto - <http://www.zenphoto.org/>
 - Gallery 3 - <http://gallery.menalto.com/>
- Ruby on Rails
 - Плагин refinerycms-photo-gallery
 - <https://github.com/espen/balder> (не обновляется)
 - <https://github.com/kristianmandrup/rails-gallery> (не обновляется)
- <http://net.tutsplus.com/articles/web-roundups/50-excellent-image-galleries-you-can-use-today/>

Gallery 3 example



11.12.2018

Gallery

Home

Login

Search the gallery

Go

Gallery



 **BMW X6 M Performance Parts (2015)**



 **Opel Karl (2015)**




 **Ferrari FXX K (2015)**



 **Vauxhall Viva (2015)**



 **Fiat 695 Abarth Biposto (2015)**



 **Mercedes-Benz CLA Shooting Brake (2016)**



Album info

Title: Gallery

Popular tags

AMG Audi **BMW** Chevrolet **Concept**
Convertible Coupe Dodge Ford Honda Hyundai
Jaguar Kia **Mercedes-Benz** MINI Nissan
Sport Toyota Volkswagen Volvo



BMW X5 2014 65



BMW X5 2014 57

Коллективная работа

Социальные сети



11.12.2018

- Ruby on Rails
 - CommunityEngine - <http://communityengine.org/>
 - Простая социальная сеть
 - Diaspora - <https://diasporafoundation.org/>
 - Децентрализованная безопасная социальная сеть



- Ruby on Rails
 - Spree - <https://github.com/spree/spree>
 - Shoppe - <https://github.com/tryshoppe/shoppe>
 - RoR eCommerce - <http://www.ror-e.com/>
- https://www.ruby-toolbox.com/categories/e_commerce
- <https://magento.com/>
- <http://insales.ru/>
- <https://www.1c-bitrix.ru/products/cms/features/eshop.php>
- ...

Трекеры



11.12.2018

- Redmine - <http://www.redmine.org/>
- Track - <http://trac.edgewall.org/>
- Bugzilla - <http://www.bugzilla.org/>

- Gitlab – средство для разработчиков управления исходным кодом на основе git
<https://about.gitlab.com/community/>



News

Redmine 2.6.0, 2.5.3 and 2.4.7 released (12 comments)

Added by [Jean-Philippe Lang](#) about 1 month ago

The latest feature release [2.6.0](#) is available for [download](#). It ships with more than 60 changes including a better PDF support (thanks to Jun and Toshi), bulk edition of workflows and the ability to give custom permissions for non member and anonymous users per project.


Please note that 2.6.x is the last stable branch before 3.0 that will upgrade from Rails 3.2 to 4.1.



Redmine [2.4.7](#) and [2.5.3](#) are maintenance releases that includes several fixes.

[AdChoices](#)  [Download](#) [Redmine Git](#) [Redmine Org](#) [Redmine Bug](#)

Redmine 2.5.2 and 2.4.6 released (6 comments)

Added by [Jean-Philippe Lang](#) 5 months ago

Redmine [2.5.2](#) and [2.4.6](#) are maintenance releases that include many fixes and an upgrade to  [Rails 3.2.19](#). You can review all the changes in the [Changelog](#).

 
Free IT
Service
Desk
Tool
Handle your
IT Support
better. Start
with a Free
Service Desk



- MediaWiki - <http://www.mediawiki.org/>
- DokuWiki - <https://www.dokuwiki.org/>
- PmWiki - <http://www.pmwiki.org/>
- Многочисленные плагины
- https://www.ruby-toolbox.com/categories/wiki_apps

Системы дистанционного обучения



11.12.2018

- Moodle - <http://moodle.org/>
- eFront
- ATutor
- ...



- PHP
 - Универсальная CMS
 - Большое количество дополнительных модулей
 - Возможность настроить под свой дизайн
-
- <http://drupal.org/>

Drupal Результат



11.12.2018



Drupal Demo Install (OpenSourceCMS)

[My account](#) [Log out](#)

Home



Navigation

- [Add content](#)

Page 1

Submitted by [admin](#) on Mon, 12/08/2014 - 20:12

Ruby is the great language!

Tags:
[programming languages](#) [dsl](#)

[Read more](#)





Drupal настройка структуры (блоки)



11.12.2018

Dashboard Content **Structure** Appearance People Modules Configuration Reports Help Hello **admin** Log out

Add content Find content Edit shortcuts

BLOCK	REGION	OPERATIONS
Header		
No blocks in this region		
Help		
System help	Help	configure
Highlighted		
No blocks in this region		
Featured		
No blocks in this region		
Content		
Main page content	Content	configure
Sidebar first		
Search form	Sidebar first	configure
Navigation	Sidebar first	configure
User login	Sidebar first	configure

OPENSOURCE CMS
01:54:55
Drupal 7.14

Drupal

Добавление «контента»



11.12.2018

Dashboard Content Structure Appearance People Modules Configuration Reports Help Hello **admin** Log out

Add content Find content Edit shortcuts

My account Log out

Create Article

Home » Add content

Title *

Page 1

Tags

programming languages, dsl

Enter a comma-separated list of words to describe your content.

Body (Edit summary)

Ruby is the great language!

Text format Filtered HTML [More information about text formats ?](#)

- Web page addresses and e-mail addresses turn into links automatically.
- Allowed HTML tags: <a> <cite> <blockquote> <code> <dl> <dt> <dd>
- Lines and paragraphs break automatically.

Image

Browse... No file selected. Upload

Upload an image to go with this article.

File All

00:50:50

Drupal 7.14



- <http://www.opensourcecms.com>
- <http://cmslist.ru>
- <http://www.cmsmagazine.ru/catalogue/>
- <http://www.dreamcss.com/2009/07/ruby-on-rails-applications.html>
- <http://habrahabr.ru/post/142399/>
- https://www.ruby-toolbox.com/categories/by_name