



آشنایی با CMS

CMS چیست ؟

سیستم مدیریت محتوا یا CMS (Content Management System) می باشد. به بیان ساده تر سیستم مدیریت محتوا موتوری است در پشت سایت شما که فرآیند ایجاد، مدیریت و نمایش محتوا را برای شما آسان می کند.

معروفترین و پرکاربردترین CMS ها :

(با بررسی وب سایت [/http://www.opensourcecms.com](http://www.opensourcecms.com))

If you are a website owner and still relying on your web designers to manage the website, its time consuming and costly. Here, we introduce various CMS solutions that may be suitable for you:

- 1) [Joomla](#) - One of the most popular and commonly used CMS today, the software is released under GNU General public license, so anybody can use the software and make modifications to cater for their own use.
- 2) [Drupal](#) - Often compared with Joomla/Mambo, Drupal is a solid, high quality platform that are claimed to be user friendly and well liked by web developers. Only 1 installation is needed for multi sites.
- 3) [CMS made simple](#) - A much simpler solution that is fast to learn, easy to use. We find that this software is very good for small websites with few pages. Business owners that are new to the online world will find this software suitable.



This section outlines The CMS Lifecycle, a simple model for the overall process of developing and managing a content management system (CMS).

We have developed this model as part of our commitment to providing insight, structure, and support for all aspects of content management.

Goals & Requirements

The need for a content management system is identified, and the overall business goals are determined.

A comprehensive جامع requirements process then identifies the specific business needs that must be met by the CMS.

Evaluation & Selection

Once the business requirements have been identified, research is conducted to find products that will meet these needs.

This evaluation process normally ends in an open tender for a CMS vendor and product. This phase is complete when all legal and contract details have been finalized, and a CMS is purchased.

Development & Deployment

With the purchase of a CMS, work now begins on the development of a tailored solution for the business.

This includes establishing the IT infrastructure, conducting training, information architecture and usability.



By the end of this phase, the full range of CMS issues has been addressed: technology, people & processes.

Growth & Expansion

Once the project phases have been completed, a structure is put in place for the ongoing management of the CMS.

The CMS is then progressively rolled-out to the rest of the business, and to encompass the complete range of content.

This is a "make or break" phase in the lifecycle. If it is successful, the "fully integrated" phase is reached.

If the CMS is not sufficiently supported and evangelised at this point, there is a danger that it will languish.

Without business support, CMS usage will fall, content will become out of date, and the CMS will be effectively "moth-balled".

At this point, the project has failed, and the CMS Lifecycle starts again from the start (requirements, through to purchase and deployment).

Fully Integrated

This is the end goal of a content management project.

The CMS is now a normal of daily business operations, and is fully integrated into the organisation.

The CMS meets all business goals, and is supported by effective people & processes.

Furthermore, a strategy of "continuous improvement" ensures that the CMS evolves in step with business directions and strategies.

CMS های موجود با دسته بندی آن ها :

- Portals (CMS)

1024 , AIOCP, AssoCIated , Bcoos, BigAce , BitWeaver , BloofoxCMS , CMS Made Simple , ContentNow , DBHcms , Dragonfly CMS , Drupal , e107 , eazyPortal, Elxis , Enano CMS, Etomite, Exponent, ExV2 , eZ Publish , Fundanemt , FuzzyLime , Geeklog , iGaming CMS, Jaws , Joomla , LoveCMS , Mambo , MDPPro , MODx , Netious , OneCMS , Ovidentia , Pheap , PHP-Fusion , PHP-Nuke , phpwcms, phpWebSite , PLUME CMS , Postnuke , RunCMS , SilverStripe , SPIP , TikiWiki CMS , toendaCMS , Typo3 , Typolight , Website Baker , Xaraya , XOOPS, YACS

- Blogs

b2evolution ,Dotclear , Eggblog, FlatPress , LifeType, Loudblog , Nucleus CMS , sBlog , Serendipity , SimplePHPBlog , Simplog , Textpattern , WB News , Wheatblog , WordPress , Zomprog

- e-Commerce

cpCommerce , Freeway , Opencart , osc2nuke, osCMax , osCommerce , phpShop , Zen Cart

- Groupware

Achievo, ACollab , dotProject , eGroupWare , Flyspray , Group-Office , more.groupware , phpGroupWare , PHProjekt , ProjectPier , Streber , WebCollab

- Forums

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bbPress , Beehive , DeluxeBB , FUDForum , IceBB , Mercury , miniBB , MyBB , MyTopix , Phorum , phpBB , PunBB , QuickSilver , SMF , UNB , UseBB , Vanilla , W-Agora , XMB

- e-Learning

ATutor , Claroline , ClaSS , Docebo suite , Dokeos , DrupalEd , Interact , Moodle , SiteAtSchool , SyndeoCMS

- Image Galleries

4Images , Coppermine , Gallery , Gallery 2 , LinPHA , Minishowcase , nzFotolog , Phormer , PhpWebGallery , Pixelpost , Plogger , Singapore , Thickbox Gallery , TinyWebGallery , WEBalbum , Zenphoto , Zoph

- Wiki

DokuWiki , MediaWiki , PmWiki , QwikiWiki , UniWakka , Wikepage , WikkaWiki

- Lite

CuteNews , Doop , EyeOS , Guppy , JAF CMS , LokiCMS , phpCMS , Pivot , SiteMan , sNews , transLucid

- Miscellaneous

Flede , KnowledgeTree , Owl , phpFreeChat , PhpGedView , phpMyChat Plus , SugarCRM , VCalendar , Webcalendar

به عنوان نمونه :

[Subreamer CMS](#) is a powerful CMS with a huge community backing it up. Monthly new skins, countless plugins, and a vast amount of features makes this a must have CMS.

- Forum Integration: phpBB, vBulletin, SMF & IPB. Simply put, Subreamer CMS has unbelievable forum integration. Nothing else even comes close.
- Professional Skins: We've partnered with the amazing design firm indiqo.media to deliver amazing website designs to our customers every month.
- Unrivaled Support: The most important issue we focus on. Like your website should be, our customer support is opened 24/7.

[Bitrix Site Manager](#) is a powerful, secure, full-featured content management solution for creating and managing corporate web sites. The product is delivered in source code. The Bitrix Site Manager key features and advantages are:

- Full-featured content management system; Advanced e-Commerce utilities; Effective tools for building online communities; Flexible workflow system;
- Web analytics and advertising tools; Helpdesk system; Helpful tools for building corporate intranet portals; System security, safety and reliability;
- Full open source code; Multiple site capability; Reusable components; SiteUpdate technology; Well documented application programming interface; Simple design template integration.



[From the official 1024 website](#) 1024 is a PHP, MySQL based Content Management System. 1024 is one of a few CMS's leading the way with the implementation of the AJAX technology into all its areas. This includes dynamic administration and user interaction. 1024 offers you the ability to set up your own community forums, download area, news posts, member management and more. What your site does is up to you, you can control what's in and what's out. From the web based installation to setting up your web site moderators, the 1024 system will be able to cater for all your needs.

نمونه ای از CMS با ASP.Net

نمونه ی 1 :

Telerik Sitefinity 3.1 is an ASP.NET 2.0-based Content Management System (CMS) that will enable you to construct dynamic, fully editable Web sites. Through the use of predefined templates, the award-winning Telerik RadControls for ASP.NET suite, and a set of pre-built pluggable modules offering common functionality (such as FAQs or news), Sitefinity provides the tools to let you quickly and easily construct a wide variety of attractive and functional Web sites. For the everyday user, Sitefinity combines a What You See Is What You Get (WYSIWYG) editing environment with an easily managed workflow process that tracks pages through the entire process from authoring, review, and approval to publication.

Though many sites can be constructed entirely in the Sitefinity user interface, Sitefinity also includes an open, modular architecture that provides the developer with a fully exposed set of Application Programming Interfaces (APIs). These APIs cover such common tasks as managing security, changing workflow, and interacting directly with the CMS engine. By using the Sitefinity APIs in the Visual Studio development environment, you can extend Sitefinity's out-of-the-box functionality, create your own custom modules, and incorporate any ASP.NET 2.0 component you like in your site. In addition, the manual includes full MSDN-style documentation of the Sitefinity APIs.

What does Sitefinity need to run?

First, you must have the base environment for Sitefinity:

- Microsoft® Windows 2000, 2003, XP Professional, Vista
- Internet Information Services 5.1+
- Microsoft® .Net Framework v2.0

Supported Databases:

- Microsoft® SQL Server 2000
- Microsoft® SQL Server 2005
- Microsoft® SQL Express
- MySQL
- Oracle 10



شرکت گروه مشاورین آهو پیشرو (با مسئولیت محدود)

Supported Browsers:

- Internet Explorer 6+
- Firefox 1.5+
- Safari 1.2+

JavaScript must be enabled on all browsers.

Development Tools:

best integration is provided for Microsoft® Visual Studio.NET 2005

نمونه کارایی :

Can I move pages in the site map?

Drag and drop a child page over the page that will become its new parent. To reorder child pages, click to select the page and then click the Up/Down arrow.

What are the requirements for creating a master page for Sitefinity?

None.

However, if you have old .master files, remove the obsolete `<div class="cmsWrapper">` tag, which was required in versions prior to 3.1. A form adapter is now used, so you must also replace the `</sf1:CmsForm>` tag with the standard `<form>` tag as it causes problems in design view of Visual Studio.

Can I upload a user control manually?

Manually. Open the Web.config and in the `<toolboxcontrols>` section, add this:

```
<add name="My User Control" section="Generic Controls"
URL="~/MyControls/YourUserControl.ascx" description="some
descriptive text" overrideToolboxItem="False" />
```

Then upload your control to the location specified by the URL.

Can I upload a custom control manually?

Manually. Open the Web.config and in the `<toolboxcontrols>` section, add this:

```
<add name="Custom Control" section="Custom Controls"
overrideToolboxItem="False" type="Namespace.ClassName,
AssemblyName" />
```

Then upload your assembly to the Sitefinity3/bin folder.

Feature های آن :

Website Features

- [Integrated Search Engine](#)
- [RSS](#)
- [Search Engine Optimization](#)
- [Automatic Sitemap](#)
- [Page Caching](#)
- [Multilingual Support](#)

Architecture

- [Master Page/Template Functionality](#)

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شرکت گروه مشاورین آهو پیشرو (با مسئولیت محدود)

- [Template Manager](#)
- [Featuring Telerik RadControls](#)
- [Pluggable Modules](#)

Content Management & Authoring

- [WYSIWYG Editor](#)
- [Content Sharing and Branching](#)
- [Content Tags](#)
- [File Manager](#)
- [Drag & Drop Page Editing](#)
- [Control Designers](#)
- [Page Preview](#)
- [Versioning](#)
- [Workflow](#)
- [Predefined Website Templates](#)
- [Sample Site](#)

Administration & Security

- [Support for Multiple Membership Services](#)
- [Workflow](#)
- [Website Security](#)
- [Support for Partially Trusted Environment](#)

Development & Extensibility

- [Fully exposed API](#)
- [Integration Capabilities](#)
- [Microsoft Visual Studio Interoperability](#)
- [Upload of User or Custom Controls](#)
- [Control Templates](#)
- [Support for CSS layouts](#)
- [Support for Multiple Databases](#)
- [Webfarm and Webgarden Support](#)
- [Download Trial](#)
- [Online Demo](#)
- [Product Tour](#)

نمونه 2:

Kentico CMS represents an open and flexible platform for building web sites, intranets and portals. You can choose from two development models:

- **Flexible portal engine** - build your web site without programming, only using the browser-based user interface

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- **ASPX page templates** - build your web site using Visual Studio as standard ASP.NET web forms with Kentico CMS server controls that display the content on the page

You can enhance the system with custom:

- custom ASP.NET pages (ASPX)
- user controls (ASCX)
- web parts (ASCX user controls with standard interface)
- code in C# and Visual Basic.NET
- third-party controls
- modules
- document types
- page templates, design, transformations
- global event handlers

The web site and administration interface is a standard **ASP.NET 2.0** project that can be opened and modified in **Visual Studio 2005** or **Visual Web Developer Express Edition 2005**. It means you can use the tools you are already familiar with and enhance or modify the system as you need.

If you purchase the source code, you can even modify and recompile the whole solution, including server controls, data layer libraries and business layer API.

Kentico CMS was developed in **C#** and uses **100% managed code**

Why should I develop web sites with Kentico CMS?

With Kentico CMS, you can achieve better results with less effort and in shorter time than with traditional development by leveraging:

- **fast, browser-based development with minimum coding**
- **tons of ready-to-use web parts and modules**
- **high flexibility and full control over rendered HTML code**
- **open and extensible architecture**

Rapid web site development

Let's face it: traditional web site development with tedious coding using basic ASP.NET infrastructure is too complex, repetitive and expensive. **You can hardly justify the costs of such development in the era of content management systems** that provide ready-to-use frameworks oriented on storing, updating and publishing content.

Kentico CMS provides a flexible, content-oriented framework based on ASP.NET platform that allows you to **cut the development time from hours to minutes**. What used to require writing ADO.NET code, SQL queries and using databound controls, can be done with a few mouse-clicks in Kentico CMS.

Extensibility and API

Kentico CMS can be extended in several ways which makes the product suitable for web sites of any purpose and size:



1) No Limits in Design and Layout

With Kentico CMS, you can create web sites with any structure, navigation, design and layout since you have full control over the HTML code rendered by the system. You can use both table- and CSS-based layout (CSS positioning) depending on what you prefer.

2) Fully Scriptable API

Kentico CMS Application Programming Interface (API) allows you to script any Kentico CMS operation, such as creating a new document, user or even the whole web site. You can get information of any document and decide what content should be displayed and what it should like.

3) Global Event Handling and Integration

You can write custom event handlers that are executed when an event occurs in the system. Custom event handlers can handle:

- Data operations (create user, modify site properties, etc.)
- Document events (document created/modified/deleted)
- Security operations (authentication, authorization)
- Exceptions in web site
- Workflow events (document approval, publishing, archiving)

These handlers in combination with Kentico CMS API allow you to modify the standard behavior of the system and/or enhance it with custom actions.

Custom handlers enable integration with external systems: e.g. you can use some third-party component to generate the document into PDF or send the newly published document by e-mail.

4) Custom User Database Integration

If you need to validate user names, passwords and role membership using some existing, external system, you can write your own authentication/authorization provider that replaces built-in user management.

ماژول های موجود در آن :

○ Blogs

The Blogs module allows you to publish personal or corporate blogs. You can fully customize the access rights to the blog and let a single or multiple users to add blog posts. A single web site can contain any number of blogs. The blog posts can be retrieved through RSS feed.

Site visitors can add comments to your posts, the comments may be optionally moderated.

The design of the blog is fully customizable with your own graphics and custom content.

○ Booking system

The Booking system module allows you to display an [event calendar](#) together with a registration form. You can use it for both **off-line and on-line events**, such as conferences, web casts, presentations or community



meetings. You can restrict the registration period and the **capacity** of the event. Once the visitors register, you can manage their registrations in the administration interface and send them a mass **e-mail with event updates**

November 2008						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
26 No event	27 No event	28 No event	29 No event	30 No event	31 No event	1 November conference
2 No event	3 No event	4 No event	5 No event	6 No event	7 No event	8 No event
9 No event	10 No event	11 No event	12 No event	13 No event	14 No event	15 No event
16 No event	17 No event	18 No event	19 No event	20 No event	21 No event	22 No event
23 No event	24 No event	25 No event	26 No event	27 No event	28 No event	29 No event
30 No event	1 No event	2 No event	3 No event	4 No event	5 No event	6 No event

November conference

Here come the details and additional information of November conference.

Event capacity: 100
Event location: Boston, Massachusetts
Event date: 11/1/2008 1:00:00 PM

Registration

First name:

Last name:

E-mail:

Phone:

[Add event to Outlook](#)

- Content Staging
- E-commerce



The **E-commerce module** allows you to integrate a full-featured product catalog and shopping cart into your web site. Each product may use a different document type (such as "computer", "PDA", "laptop", "MP3 player") in combination with common product details, such as price, SKU number, size, applicable taxes, etc.

The E-commerce module supports:

- multiple currencies
- configurable shipping options
- configurable payment methods
- configurable tax classes for countries and states
- customizable and extensible checkout process
- discount coupons
- volume discounts
- discount levels
- wishlist
- and other features

You can integrate any custom payment system or choose from the built-in gateways:

- PayPal
- Authorize.NET
- customer credit - useful for customer loyalty systems

You can easily integrate the e-commerce functionality into your web site using **built-in web parts**:

- Shopping cart
- My account (user profile, password, addresses and orders)
- Shopping cart preview
- Wish list

You can also customize the behavior using **custom providers**, such as:

- Custom product (SKU) information provider that allows you to use your existing product database
 - Custom shipping calculator
 - Custom tax calculator
 - Custom invoice generator
- and others.

- Event calendar
- Forums

The **Forums module** allows you to integrate forums or comments functionality into your web site and build on-line communities.

You can create either pre-defined forums displayed on specified page or you can create "ad-hoc" forums bound to particular document that allows visitors to **post comments** on article or ask questions about product.



Supported features include:

- open/close forums
 - moderated forums (posts need to be approved by moderator)
 - secured forums - only chosen users can read/post items to the forum
 - threaded/flat/tree view modes
 - subscribe to new forum posts or replies to your post
 - avatars (user images) and signatures
 - optional CAPTCHA verification if the user is a human, not a spam robot
 - forum search
- Geomapping
 - Image Gallery

The **Image Gallery** module allows you to quickly publish an on-line gallery of images, such as product photos or photos of your team. All you need to do is to place the Image Gallery web part on the page, configure its parameters and upload the files. The files can be uploaded through the browser or using the **batch file import module**.

- Newsletter
- On-line Forms

Creating on-line forms no longer requires writing .NET code and SQL queries! With Kentico CMS BizForms module, you can easily create and publish simple on-line forms without programming. All you need to do is define form fields and add the form on your page. This task can be achieved by advanced end user without programming or database knowledge.

Defining form fields

For each field, you can specify:

- data type (text, long text, integer, decimal, date-time, boolean)
- field caption
- field tooltip
- style of the label and of the input control
- validation (minimum/maximum value, regular expression)
- default value
- if it accepts empty values
- if the field is displayed on the public form or only on the private form displayed to the site editors

There are several built-in field types:

- textbox
- textarea
- WYSIWYG editor
- checkbox

- drop-down list
- multiple options
- radio buttons
- e-mail address
- U.S. phone number
- International phone number
- U.S. ZIP code

You can also **develop your own field types** with custom validation.

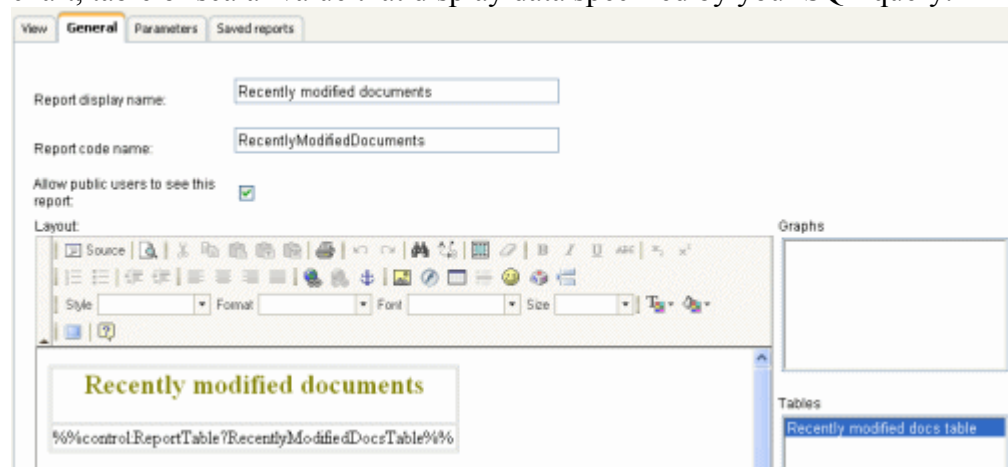
○ Polls

The **Polls** module allows you to publish polls on your web site and get visitor opinions and feedback. Every polls may contain any number of answers and you can choose whether the visitor can choose only one answer or multiple answers.

○ Reporting

The reporting module is a universal sub-system for creating reports from data stored in the Kentico CMS database. It's used not only for the Web Analytics module, but it can also be used for reports on documents in the content repository, sales in the e-commerce module, most active forum posters and other custom reports you can create.

You can design the layout of your report and insert a column chart, pie chart, table or scalar value that display data specified by your SQL query.



You can also define a filter for your report using various fields, such as textbox, date-time picker, drop-down list and others.

The reports can be saved in report history or printed.



Save Print

Modified since: 1/1/2007 16:00:00 [Now](#)

Update

Recently modified documents

Document name	Document alias path	Last modification date	Last modified by
TechEd Exhibition	/Examples/Event-calendar/TechEd-Exhibition	9/23/2007 8:02:15 PM	Global Admin (administrat
Nokia 6120	/Examples/Blog/Our-Corporate-Blog/August-2007/Nokia-6120	9/22/2007 5:52:18 PM	Global Admin (administrat
Which cell phone are you using?	/Examples/Blog/Our-Corporate-Blog/July-2007/Which-cell-phone-you-are-using-	9/22/2007 5:52:18 PM	Global Admin (administrat
Symbian S60 3rd edition	/Examples/Blog/Our-Corporate-Blog/August-2007/Symbian-S60-3rd	9/22/2007 5:52:18	Global Admin

- Wiki
- Web Farm Support
- Web Analytics

The Web Analytics is a crucial part of your on-line marketing strategy. It gives you information about your visitors and about the success of your web site.

This module allows you to track web site visitors and their behavior. You can get the following statistics on a yearly, monthly, daily and hourly basis:

- Visits
- Page views
- Downloads
- Invalid pages
- Referring URLs
- Conversions
- Campaigns
- Browser types
- Countries

Requirements Toolkit :

Choosing a content management system (CMS) is not easy. There are hundreds of products in the marketplace, all with highly-variable capabilities. In this rapidly-evolving environment, the challenge is to find the CMS that best matches your business needs. The Content Management Requirements Toolkit provides a comprehensive starting point for identifying the business and technical requirements that will drive your selection process.

The Requirements Toolkit contains 133 fully-developed CMS requirements, across five main categories. These are ready to be cut-and-pasted into your content management tender, saving days of effort and ensuring that nothing is missed.



The first version of the Toolkit has been used by organisations the world over, from Fortune 500 companies to small businesses. This new version builds upon these successes, and delivers even greater value.

- **Comprehensive**
Contains 133 fully-developed requirements, suitable for a wide range of organisations.
- **Easy to use**
Clear and concise entries, written in plain English.
- **Practical**
Requirements have been distilled from real-world experience, and reflect real business needs.
- **Rapid tender development**
Ready to use requirements can be cut-and-pasted directly into your tender document.
- **Checklist**
Use the list as a starting point for your requirements gathering, and to ensure that nothing is missed.
- **Quality**
All requirements have been fully edited and reviewed, to ensure clarity and accuracy.
- **Support**
Included are detailed guides on the selection process, and on writing CMS scenarios.

Purchase this Toolkit to save yourself dozens of hours writing and reviewing requirements, and to help ensure that your tender process is both rapid and successful.

منابع اصلی:

[/http://www.steptwo.com.au](http://www.steptwo.com.au)

[/http://www.opensourcecms.com](http://www.opensourcecms.com)

[/http://www.sitefinity.com](http://www.sitefinity.com)

[/http://www.kentico.com](http://www.kentico.com)

<http://www.mambolearn.com>