

Roxen CMS 5.1

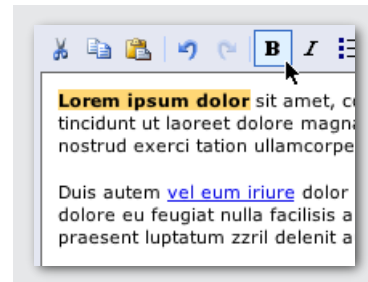
Roxen CMS is a powerful and versatile Content Management System for production, distribution, deployment and maintenance of internal and external web sites. It is a user-friendly product that greatly simplifies web publishing and administration tasks for the whole organization.

As a platform-independent product, Roxen CMS excels in its flexibility, extensibility and adherence to open standards such as XML and XSLT. It also provides full integration capabilities with a wide variety of data sources.

Content Authoring For Everyone

The user-friendly editor lets you build web pages with text, images and links without knowing anything about markup languages or programming. In fact, the only tool you need is a web browser. The navigation menus on your web site are updated automatically as you go along, and an integrated spell checker ensures your content is free from typos.

For advanced editing Roxen CMS lets you take advantage of your desktop applications such as Microsoft Word or Adobe Photoshop and have the web site updated as soon as you save your documents. WebDAV and FTP are two other methods employed for working with site content.



Built On Web Standards

Having your web content stored in non-proprietary formats is paramount for facilitating data reuse. Roxen CMS uses XML which is a universally accepted standard that applications can use to exchange information in a predictable way. To generate web pages from the XML data, Roxen CMS implements a template language called XSLT, another established web standard.

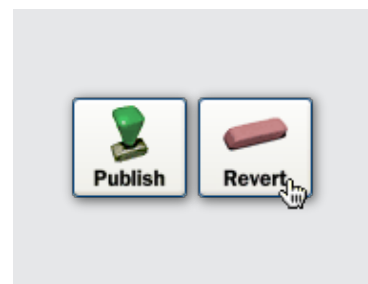
By keeping content and layout separated you get total freedom in redesigning the presentation while preserving your existing content. And content authors benefit by getting a consistent look without dealing with layout details.



Versioning

For a site administrator it is essential to know who performs what change and when. Roxen CMS tracks all revisions of all files, meaning not only text content but also images, templates and more. You may revert to any previous version, compare versions and list contributors.

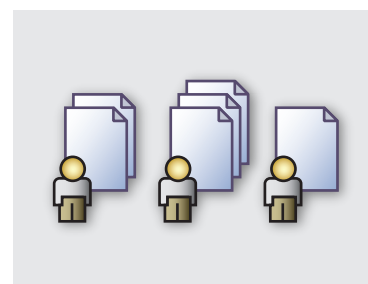
Roxen CMS uses an innovative approach that avoids file locks for editing operations. Each author's changes are instead merged into the latest version with the help of a wizard that identifies conflicts. This brings a clear advantage in that no stray locks block site updates and editing becomes more efficient.

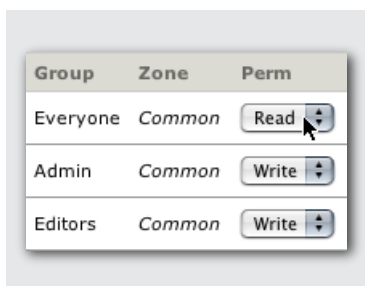


Improve Teamwork with Workflow and Staging

As your web site evolves you need a product that helps instead of hinders collaboration. The workflow in Roxen CMS lets a group of people contribute to the publishing process by assigning tasks such as authoring, reviewing and approval to different team members. This not only improves coordination but also generates higher quality results.

The staging and previewing functionality is very strong – any change you make can be evaluated as part of the active site without affecting other visitors. In addition, you can schedule pages to be published at a given date and time.

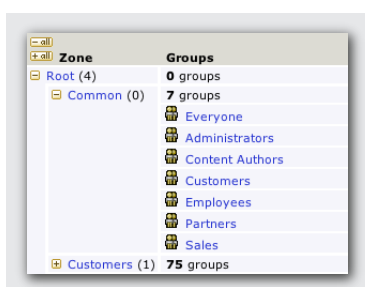




Access Control

A fundamental part of web publishing is to have full control over data protection. In Roxen CMS you can mix open and restricted content with full transparency – navigation menus and search engine hits are filtered for each user in order to not reveal any secret information.

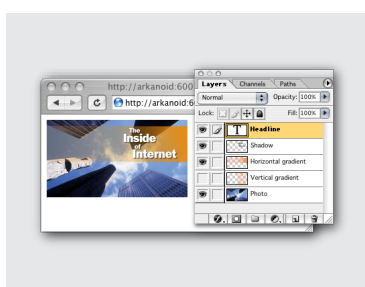
Another consequence is that your public web site and your Extranet can be combined into a single site where different sections have varying levels of protection.



Unified User Management

The web-based interface in Roxen CMS includes extensive management capabilities for users, groups and permissions. Groups are perfectly suited for building role-based access models, and with a concept called zones you can delegate administration tasks in large organizations.

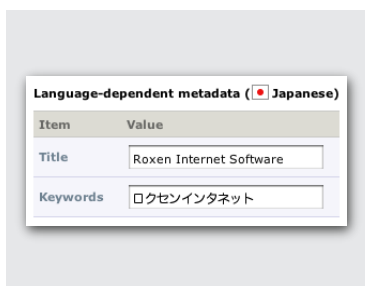
Roxen CMS integrates with existing directory services to ensure always-current data, even allowing multiple sources such as LDAP and Active Directory in parallel. In Windows environments it supports Single Sign-On, a time-saving feature that lets users access a company Intranet site without additional login steps.



Outstanding Graphics Support

Roxen CMS includes a first-rate graphics engine that lets you create attractive web graphics such as thumbnails, graphical headlines, charts and buttons. The data sources do not need to be static – for example, a sales chart based on data coming from an ERP system is just one possibility.

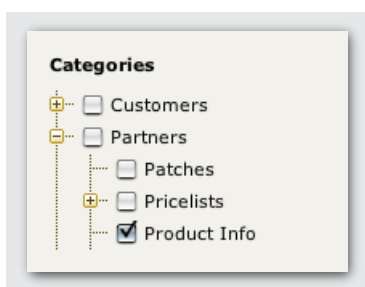
Another highlight is the support for layered Adobe Photoshop images. Put the image files in the version-controlled site repository and never worry about losing the originals on some graphics designer's laptop. Roxen CMS will generate web-compatible images and thumbnails on-the-fly when necessary.



True World-Wide Web Publishing

Traditionally, multilingual web sites are just copies containing different languages and stored in separate directories. In Roxen CMS all content is placed in a single hierarchy and managed by one set of templates, thereby guaranteeing that web site logic and graphics elements are consistent for all visitors.

Roxen CMS covers all facets of multilingual publishing by supporting Unicode in content and metadata storage, search engine indexing and querying, graphics rendering and more.



Flexible Navigation with Categories

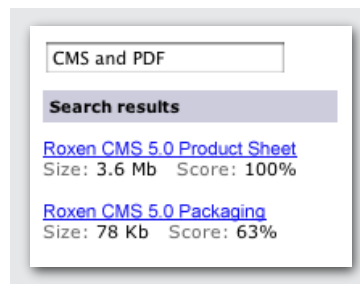
People looking for information on a web site do not always follow the navigation paths planned by the web designers. It is therefore a good idea to offer alternate ways of finding data.

If you have pages and documents that can be classified according to one or more aspects – target audience, content type, origin of data or similar – you will find the categorization module in Roxen CMS a perfect match. Categories may be hierarchical and you can easily build interfaces that list associated pages or combine with the search engine to offer smart search forms.

Find Anything On Your Site

The built-in search engine is tightly integrated with your web site. It maintains an index of both metadata and content, including the text of Microsoft Word and PDF documents, and is fully aware of multilingual data. All search results are screened for pages unavailable to the current user, thereby ensuring that confidential data remains secure.

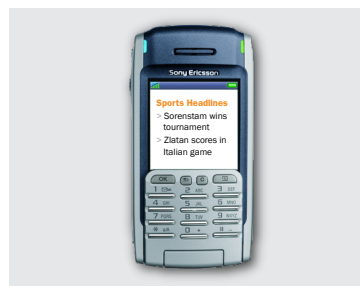
Search forms on your web site can take advantage of powerful constructs such as boolean expressions, parenthesis, phrases, word exclusion, wildcard matches and metadata field matching.



Multi-Channel Publishing

Publishing via different channels such as web, mobile phones and printed media calls for a product that enables and encourages reuse of information. XML is a cornerstone in that strategy due to its platform-independent and extensible nature, and when coupled with XSLT templates in Roxen CMS you have the necessary tools for building powerful multi-channel solutions.

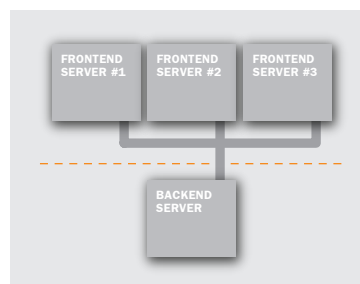
One example of dynamic processing behavior linked to browser device characteristics is the Roxen CMS image toolbox that takes care of format conversion, scaling and compression to reduce bandwidth.



Scalability Gives Headroom For Growth

Performance and high availability require a platform where these traits are part of the core architecture. Roxen CMS is a prime example of this with its data replication that lets you add frontend servers incrementally as the load increases. Moreover, the advanced disk cache sub-system monitors all editing operations and keeps the site responsive at all times.

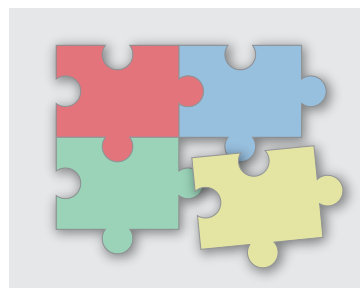
Customers with extreme demands on performance will appreciate the flexibility that can be attained with the built-in cache control tools. Roxen CMS also supports setups with multiple edit servers for sharing the workload.



An Open and Extensible Platform

Selecting a product for your organization means that not only user interface and features are of importance. A key factor for long-term viability is whether the application can adapt to your needs instead of the other way around.

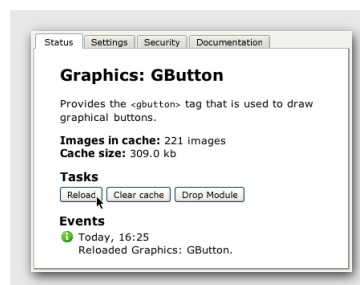
Right out of the box Roxen CMS is a very capable product, but it is when you start customizing it you really tap into its power. Write your own server-side processing logic, add XSLT templates, connect to SQL databases and web services, plug in editor components, integrate JSP and CGI scripts and develop your own modules – you will soon find out what the praise is all about.



Platform Independence and Instant Reconfiguration

Roxen CMS has been platform independent from day one so you can rest assured that your investment is protected even if the system environment changes. It's worth noting that cross-platform compatibility extend beyond the core product to include custom modules that you develop as well.

Thanks to the dynamic architecture server maintenance is a breeze – you can add a module or make a change to a source file and have the server updated without even stopping for a second. And like the rest of the product administration tasks are managed via a user-friendly web interface.



Additional Roxen CMS Modules

Newsletter

Turn any web page into a HTML-based newsletter. Your site visitors can register as subscribers in a web form.

Blog, Forum and Poll

These three modules add community features such as a blog with categorized articles with commenting, a searchable discussion forum with threaded postings, and a "Question of the day" feature where visitors can vote and see a chart of popular choices.

Bookings

Make reservations for office resources such as conference rooms, computer projector and other items as well as view booking schedules on the web.

Forms & Response

Build questionnaires with multiple-choice answers, e-mail replies and statistics for all submitted entries.

Calendar

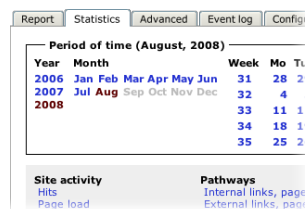
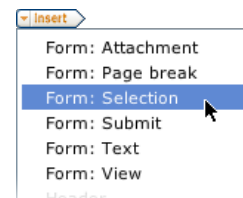
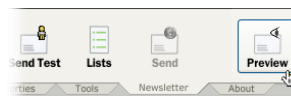
Create advanced calendar applications where events are placed in different categories. Weekly and monthly views give great flexibility in presenting schedules.

LogView Analyzer

Get an integrated traffic analysis tool and find out about total page views, popular content, search engine queries, geographical distribution and more.

XML Feed Importer

This framework provides the necessary developer tools for integrating all kinds of XML feeds into your site. Adaptors for well-known news agencies such as AP, AFP, Bloomberg, Reuters and Ritzau are available separately.



Technical Specifications

Platforms

- Microsoft Windows
- Sun Solaris
- Linux
- Mac OS X

Protocols

- HTTP
- HTTPS with strong encryption (SSL3)
- WebDAV
- FTP

Languages

- HTML
- XML
- XSLT
- XPath
- WML

Database Connectivity

- Oracle (Native)
- MySQL (Native)
- PostgreSQL (Native)
- Informix (ODBC)
- MS SQL Server (ODBC)
- Many other via ODBC
- JDBC through Java Servlets or Java modules
- LDAP

Server-Side Extensibility

- RXML – Roxen Macro Language
- Java Servlets
- JSP – Java Server Pages
- Roxen Modules – Pike and Java
- Embedded Perl Tags
- Output parsing of CGI (Perl, Python, Tcl, C etc), FastCGI, PHP4
- SSI – Server-Side Includes
- HTTP Relaying

Client-Side Extensibility

- CSS
- JavaScript
- Java applets
- ActiveX
- Flash
- Shockwave
- XML/XSLT

Proxy Servers

- Roxen WebServer
- Apache
- Microsoft IIS
- iPlanet

Configuration Options

Server Modules

- Workarea Staging
- Workflow
- LogView Analyzer
- Active Directory Integration
- Windows NTLM Single Sign-On
- Kerberos
- XML Feed Importer
- Categorization
- Site Index/Keywords
- Forms & Response
- Forum
- Bookings
- Poll
- Calendar
- Newsletter
- Blog

Enterprise Setups

- Edit Servers
- Acceleration Servers
- Archive Servers