



## **Web Content Management System**

OneNet is a web content management system designed to enable non-technical users to easily create and manage web sites. OneNet simplifies the technical tasks involved in creating and posting web pages, including the steps required to ensure that content is accessible to people with disabilities. OneNet's web-based web page editor, which works like Microsoft Word and other familiar word processors, eliminates the need for users to learn HTML code or complex web page authoring programs; its automatic publishing system relieves technical staff from tedious content management duties.

Unlike any other web content management system, OneNet goes to great lengths to encourage users to create accessible content. The OneNet Editor automatically implements most accessibility techniques and provides "accessibility checkers" to guide users through the few requirements that cannot be automated. OneNet has been so successful in promoting accessibility that it was praised by Jon Gunderson, Director of Information Technology Accessibility at the University of Illinois, as

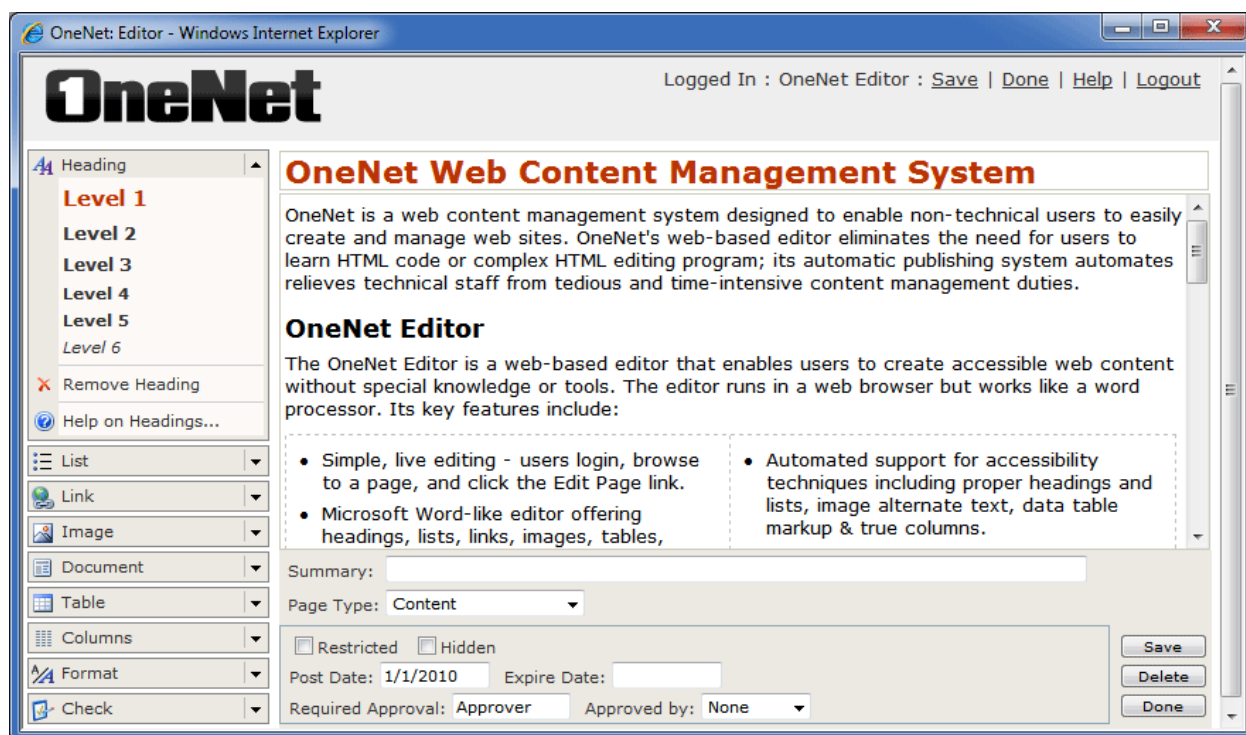
**"clearly a breakthrough technology in creating accessible content."**

OneNet also provides a flexible framework for add-on modules. The core OneNet system includes a user-maintainable Staff Directory and a customizable web survey tool. The OneNet framework has also been used to create a Training Calendar, a Job Board, and an Equipment Request/Tracking System. All modules benefit from the reuse of OneNet templates and single sign-on capabilities.

OneNet was originally developed by MSF&W Consulting ([www.msfw.com](http://www.msfw.com)) for the Illinois Department of Human Services, which currently uses the system to manage more than 40,000 pages on its web site and intranet, including the official site for the Illinois Information Technology Accessibility Act Standards. OneNet is now freely available to other organizations under the University of Illinois Open Source License.

## **The OneNet Editor**

The OneNet Editor is a web-based, WYSIWYG editor that enables users to create accessible web content without special knowledge or tools. The editor runs in a web browser but works like a word processor.



The key features of the OneNet Editor include:

- Simple, live editing – authorized users login, browse to a page, and click the Edit Page link.
- Rich formatting – including headings, lists, links, images, tables, columns, and other familiar formatting features.
- Automated accessibility – including proper heading and list markup, image alternate text and long descriptions, data table markup, CSS-based columns, and more.
- “Accessibility checkers” – to guide users through checking subjective issues including heading order, link text, image alt text, accessibility of downloadable documents, and table header relationships.
- Accessible paste – retains basic formatting while removing Microsoft Word and other inaccessible formatting codes.
- Table paste – automatically formats and marks-up tables copied from Word or Excel.
- User-managed libraries for images and linked documents.
- Style-sheet-controlled appearance – for consistent branding and usability.
- Full keyboard support – for accessibility and efficiency.
- Essential support for JAWS 11 screen reader.

## The OneNet Content Management System

The OneNet Content Management System automatically manages the publishing and display of web pages based on author settings and approvals. Its key features include:

- Real-time publishing based on post date, expire date, and approval status.
- Dynamic creation of navigation elements, including menus and breadcrumb trails.
- News and event page types, with automated news sidebar, event calendars, and RSS feeds.
- Caching of pages and controls for maximum performance.
- Global and page-level authority assignments.
- Customizable approval workflow with up to four approval levels.
- Support for collaboration – intelligent locking identifies who is currently editing a page and when the lock will expire.
- Page version history with restoration feature.
- Support for multiple sites with page sharing.
- Support for multiple sections with section-specific news, events, and search.
- Site administration tools including batch approvals, bulk copy and move, deleted item restoration, and more.
- Integrated search using SQL Server Full Text Indexing with enhanced matching on page titles.
- URL forwarding with multiple “friendly” URLs.
- Flexible configuration using XML site configuration file, Master Pages, and CSS style sheets.

## OneNet Module Framework

The OneNet CMS can be expanded to include custom functionality:

- Easy creation of custom modules as .NET User Controls.
- Modules inherit site templates and styles providing a consistent look and feel.
- Single sign-on across modules.

## **Technical Requirements**

OneNet is a .NET 2.0 C# & SQL Server 2005 application; it requires Microsoft IIS with the .NET 2.0 Framework and Microsoft SQL Server 2005.

The OneNet Editor is built using XHTML, CSS, and JavaScript and runs in Internet Explorer 6 and newer. Pages created in the editor use standards-compliant XHTML and can be viewed in any browser.

## **License**

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