



## Triton Web CMS Version 4.0 Specifications

A flexible Content management system for complete separation between site contents and layout, Site contents can be modified without affecting layout and vice versa.

This structure enables non technical people to add, edit and delete contents (text, images, .) without any knowledge of site design concepts which is left to the corporate IT department or professional designers.

The system implements an authentication system to control user roles and privileges, each user can manage his part doing the operations his is allowed to do.

### General Information

- Triton can be used to create any number of sites, the system is licensed as a package, not a single service to establish one web site.
- Full support of Arabic language.
- Fully multi lingual (Arabic, English and French) user interfaces. Additional language interfaces could be added easily. The user can switch between language interfaces on the fly at any time.
- PHP / MySQL support
- Fully object oriented design, all site contents are defined as objects with properties that can be defined and modified by system administrators.
- Multi user collaborative system. Any number of users and editors can cooperate on site contents at once.
- Site pages are organized in a tree structure, site developers can navigate between pages to view and modify them.
- Each branch in the tree has its own properties, any modifications made to the parent are automatically copied to child branches.
- Group based site personalization.
- Site contents are stored in a database repository and final pages are created on the fly.
- RSS syndication of content.

### Text Processing:

- Triton is designed from the ground up to support Arabic language. Intelligent text conversion and processing eliminate common mistakes like flipped numbers and parenthesis, reversed dots and commas.
- The system analyses texts to extract important keywords to include them as metadata keywords.
- Any number of keywords can be defined to describe each content component, the system also records contents data like author name, creation date and summary automatically.
- Multi code page import: : Arabic Macintosh, ASMO, Code Page 720 and Nafitha
- Converts URLs and Email addresses to links automatically.
- An advanced web based HTML editor for contents.

### Search:

- Search for words or phrases.

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- And, Or, Not or any combination search.
- Search parts of site only, search in any time interval or any specific language.
- Search in any combination of the above.

### **Page design:**

- A full easy to use page builder wizard with preview capabilities, provides inexperienced designers with the ability to build professional looking site with no need whatsoever of any knowledge of HTML or any page design package, the wizard allows users to control:
  - Right-to-Left or Left-to-Right pages.
  - Multi columns pages.
  - Horizontal or vertical, text or image indexes.
  - Language and code page definition.
  - Automatic update date display.
  - Automatic search engines support and metadata generation.
  - Automatic URLs and E-Mail links.
  - Automatic generation of site info links
  - Automatic classification of site pages according to author, date, subject, etc...
- Any design done with any page layout software (Like MS Front Page and other packages) can be imported and content enabled in the system.
- Imported pages are transformed into design templates to display managed dynamic contents.
- Images can be inserted and managed anywhere.
- Images can be uploaded from client machines into site repository without having to open the site itself as an administrator or jeopardize security.
- External objects and code snippets can be inserted anywhere in the site.
- Content indexes are generated automatically with content titles and thumbnails.
- Configurable style sheets for easy customization of site pages.

### **Archive:**

- Automatic archiving of old contents into a searchable archive after a user defined expiry date or when the system administrator wants to.
- Managers can move contents into or out from archive anytime.

### **Dynamic pages and additional features:**

- Any number of advanced and configurable opinion polls could be added to the site in different places, the system prevents site visitors from participating more than once in any poll.
- An advanced ad management component is standard, site managers control the location, duration and frequencies of ads display, full statistics on user actions and clicks are available.

### **Management:**

- Full web interface control from any place in the world, no need for any software installation on client machines.
- Content can be added, edited, rearranged, deleted or archived dynamically without affecting page layout. All links are updated automatically to reflect changes.
- Breaking news insertion in one step.
- All authorized managers can perform management tasks to their respective site parts.
- Pictures could be added to and deleted from the repository by any authorized user.



شبكة المحتوى متعدد الوسائط  
Multimedia Content Network

- A stage based approval process for every content, no content could be displayed before passing through a sequential approval process from defined contents moderators.

**Security and authorization:**

- Site administrators can define users with distinct privileges for categories and allowed operations.
- Every management operation in the system is controlled by an access privilege.