

Roller Group Blogging Requirements – DRAFT1

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This document is the requirements group blogging in the Roller blog server. In simple terms, the group blogging requirement is to allow each user to have more than one website and each website to have more than one users.

1.0 Requirements

Requirements are broken up into Core, Permissions, Workflow, Web Services, and User Interface sections. Each requirement is numbered.

1.1 Core Requirements

These core requirements reflect the change from a one-to-one to a many-to-many relationship between websites and users.

- R1.1 Each user may be associated with zero or more websites
- R1.2 Users must register before they can create a website or be granted permission to work in an existing website.
- R1.3 New user policies. System must allow you to pick one of these policies via Admin UI.
 - Users can register through the Roller user interface
 - Only a Roller Administrator can create new users
- R1.4 New website policies:
 - User can create as many Website as she wants
 - Each user can create only one Website
 - Only a Roller Administrator can create a new Website
- R1.5 Website deletion policy:
 - A Website Administrator may delete his website
 - Only a Roller Administrator may delete a websites
- R1.8 User deletion policy. Users are never deleted from the system, but users marked inactive will no longer be allowed to log in and will not appear in public listings of blog server users.
- R1.9 Inactive Websites. Websites marked as inactive must not appear in public lists of websites.
- R1.10 Inactive users. Users marked as inactive must not appear in public lists of users and must not be allowed to login.
- R1.11 Backwards compatibility: existing Roller websites and URLs will continue to work
- R1.12 Database migration/synchronization script must be provided to allow safe no-downtime side-by-side upgrade from Roller 1.2 to Roller 2.0.
- R1.13 All Roller tables must be changed to start with prefix “ROLLER_”

1.2 Permissions Requirements

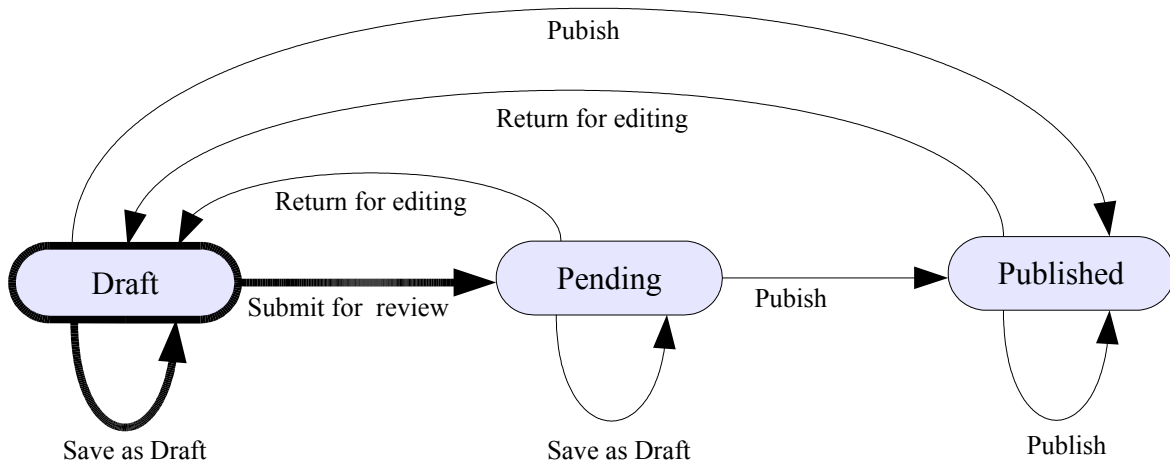
Group blogging must include a *permissions* scheme and workflow support that some users of a blog can be appointed as managing editors who must all approve posts made to the blog.

- R2.1 A Website Administrator can grant to or revoke permissions in a Website. Those with permissions in a Website are known as *members*.
- R2.2 If a user's permissions are revoked and blog entries he created must remain part of the website and must keep attribution (preserve name of weblog entry creator).
- R2.3 The permissions that may be granted to a user in relation to a website are:
 - If a user has BLOG_LIMITED permission for a website, within that website he can create/save drafts and submit them for review. He cannot modify the website in any other way (can't edit categories, bookmarks, page templates, etc.)
 - If a user has BLOG_AUTHOR permission for a website, within that website he can create/save drafts, return drafts for editing, and publish entries to the blog.
 - If a user has BLOG_ADMIN permission for a website, within that website he can edit any part of the website but he cannot grant or revoke user permissions in the website.
- R2.4 Website Administrator must be able to invite new users to a Website by specifying the username of the new member, email should be sent to user.
- R2.5 Invited user must be able to accept or decline invitation.
- R2.6 When adding a new user to a weblog, the default should be BLOG_AUTHOR.

1.3 Workflow Requirements

Weblog entries flow through a simple workflow, pictured below. Figure 1.1 shows the three states in which a blog entry may exist and the transitions between those states. Thick lines indicate actions that may be taken by a user with only BLOG_LIMITED permission.

Figure 1.1: Group Blogging Workflow



And the requirements:

- R3.1 Users with only the BLOG_LIMITED role can only operate on the entries in draft state.
- R3.2 Users with BLOG_AUTHOR or BLOG_ADMIN can operation on entries in any of the three states.

- R3.3 (auditing) Every time a weblog entry is changed, the system must record the time of change, object ID being changed, type of change, and the user making the change.
- R3.4 When a BLOG_LIMITED user submits a post for review, BLOG_AUTHORS withing the Website must be notified by email of the new post.
- R3.5 When a BLOG_AUTHOR returns a post for editing, the creator of the entry must be notified by email.

1.4 Web Service Interface Requirements

- R3.3 If a BLOG_LIMITED posts an entry via a web services interface (MetaWeblog or Atom) and sets the the publish flag to true, that post will be submitted for review instead.
- R3.4 If a BLOG_ADMIN or BLOG_AUTHOR creates a post via a web services interface (MetaWeblog or Atom) and sets the the publish flag to true, that post will be published immediately, without workflow.

1.5 User Interface Requirements

To support group blogging new web pages will be added to Roller and changes must be made to existing pages.

- Introduce concept of current website, the website that a user is currently editing.
 - R4.1 Add combo-box to top of every page so that user can choose current website. Use must be able to choose from both websites he owns and websites in which he is a member.
 - R4.2 Changes to Menu System. Menu tabs shown must reflect current user and current website
 - If user has not selected a curent website then website specific tabs should not be shown
- New: User Profile Management UI. This web page (or pages) replaces the Website:User page in the existing Roller UI.
 - R4.1 Must allow user to edit user information (email address, password, etc.)
 - R4.2 Must provide listing of all websites that user belongs to
 - R4.3 Must allow user to unjoin websites that she is a member of
 - R4.4 Must allow user to create new websites if allowed
- New: Website User Management UI – allow Website Administrator (i.e. those with BLOG_ADMIN permission) within a website to manage user permissions in the website:
 - R4.5 Must display list of all users who have permissions in the websites
 - R4.6 Must allow administrator to grant and revoke permissions
- Changes to Weblog Editor UI
 - R4.7 Listings of weblog entries in the weblog editor page must be restricted
 - BLOG_AUHTORs should see all recent DRAFT, PENDING, and PUBLISHED entries
 - BLOG_LIMITED users should see only DRAFT entries
 - R4.8 Buttons in weblog entry page must reflect user's permissions
 - BLOG_AUTHORS will see a Submit-for-Review rather than a Publish button
 - BLOG_ADMINs should see a new Return-for-Editing button for PENDING weblog entries

- Changes to Weblog Entry display macros
 - R4.9 Edit links in weblog page displays must be conditional based on current user's permissions (i.e. Don't show [Edit] link on entry if user cannot edit the entry.
- Changes to Comment Processing
 - R4.10 Comment email notification must be sent to the creation of the weblog entry being commented upon rather than the owner of the Website.