StoxBolt CMS API Documentation

📋 Overview

This document outlines the API endpoints available in the StoxBolt CMS system, their purposes, and usage.

🔐 Authentication API

POST /api/auth/login

Purpose: User login/authentication

Controller: authController.js

Description: Authenticates users (admin/superadmin) and returns JWT token

Access: Public

GET /api/auth/me

Purpose: Get current logged in user info

Controller: authController.js

Description: Returns user profile and permissions

Access: Private (requires authentication)

GET /api/auth/logout

Purpose: Logout user

Controller: authController.js

Description: Ends user session

Access: Private

📊 User Management API

GET /api/users/admins

Purpose: Get all admin users

Controller: adminController.js

Description: Lists all admin users (superadmin only)

Access: Private/Superadmin only

POST /api/users/admins

Purpose: Create new admin user

Controller: adminController.js

Description: Creates new admin account

Access: Private/Superadmin only

GET /api/users/admins/:id

Purpose: Get single admin user details

Controller: adminController.js

Access: Private/Superadmin only

PUT /api/users/admins/:id

Purpose: Update admin user

Controller: adminController.js

Access: Private/Superadmin only

PUT /api/users/admins/:id/toggle-curd

Purpose: Toggle CRUD access for admin

Controller: adminController.js

Description: Enable/disable CRUD permissions for admin

Access: Private/Superadmin only

PUT /api/users/admins/:id/deactivate

Purpose: Deactivate admin account

Controller: adminController.js

Access: Private/Superadmin only

PUT /api/users/admins/:id/reactivate

Purpose: Reactivate admin account

Controller: adminController.js

Access: Private/Superadmin only

GET /api/users/admins/stats

Purpose: Get admin statistics

Controller: adminController.js

Description: Shows admin counts, active/inactive, CRUD access stats

Access: Private/Superadmin only

📝 Post Management API

GET /api/posts

Purpose: Get all posts with filters

Controller: postController.js

Description: Retrieves posts with pagination, status filters, search

Access: Private (with CRUD access check)

GET /api/posts/:id

Purpose: Get single post details

Controller: postController.js

Access: Private

POST /api/posts

Purpose: Create new post

Controller: postController.js

Description: Creates post with CRUD access consideration

Access: Private (requires CRUD access)

PUT /api/posts/:id

Purpose: Update post

Controller: postController.js

Description: Updates post with CRUD access rules

Access: Private (with CRUD access check)

DELETE /api/posts/:id

Purpose: Delete post

Controller: postController.js

Access: Private (requires CRUD access)

PUT /api/posts/:id/publish

Purpose: Publish post

Controller: postController.js

Access: Private (requires CRUD access)

POST /api/posts/draft

Purpose: Create draft post

Controller: postController.js

Access: Private (Admin & Superadmin)

PUT /api/posts/:id/submit-for-approval

Purpose: Submit draft for approval

Controller: postController.js

Description: For admin without CRUD access to submit for superadmin review

 Access: Private (Admin only)

PUT /api/posts/:id/request-update

Purpose: Request update for published post

Controller: postController.js

Description: Admin without CRUD access can request updates to published posts

Access: Private (Admin only)

📅 Schedule Management API

GET /api/posts/scheduled

Purpose: Get scheduled posts

Controller: postController.js

Description: Lists all approved scheduled posts

Access: Private

GET /api/posts/pending-schedule

Purpose: Get pending schedule approvals

Controller: postController.js

Description: Shows posts needing schedule approval (superadmin only)

Access: Private/Superadmin only

PUT /api/posts/:id/approve-schedule

Purpose: Approve scheduled post

Controller: postController.js

Access: Private/Superadmin only

PUT /api/posts/:id/reject-schedule

Purpose: Reject scheduled post

Controller: postController.js

Access: Private/Superadmin only

PUT /api/posts/:id/cancel-schedule

Purpose: Cancel scheduled post

Controller: postController.js

Description: Cancel scheduled post (admin can cancel their own, superadmin any)

Access: Private

📤 Bulk Upload API

POST /api/posts/bulk-upload

Purpose: Bulk upload posts from CSV

Controller: bulkUploadController.js

Access: Private (Admin, Superadmin, Editor)

GET /api/posts/bulk-upload/template

Purpose: Download CSV template

Controller: bulkUploadController.js

Access: Private

✅ Approval System API

GET /api/approval/posts

Purpose: Get all admin posts for approval

Controller: approvalController.js

Description: Shows posts submitted for approval (superadmin view)

Access: Private/Superadmin only

GET /api/approval/my-posts

Purpose: Get admin's own posts

Controller: approvalController.js

Access: Private (Admin only)

GET /api/approval/my-submissions

Purpose: Get all user submissions (posts & admin posts)

Controller: approvalController.js

Description: Shows all submissions by a user including scheduled posts

Access: Private (Admin only)

GET /api/approval/pending-schedule

Purpose: Get pending schedule approvals for admin dashboard

Controller: approvalController.js

Access: Private/Superadmin only

POST /api/approval/posts

Purpose: Create admin post (for approval)

Controller: approvalController.js

Access: Private (Admin only)

POST /api/approval/posts/:id/request-update

Purpose: Request update for published post

Controller: approvalController.js

Access: Private (Admin only)

PUT /api/approval/posts/:id/approve

Purpose: Approve admin post

Controller: approvalController.js

Access: Private/Superadmin only

PUT /api/approval/posts/:id/reject

Purpose: Reject admin post

Controller: approvalController.js

Access: Private/Superadmin only

PUT /api/approval/posts/:id/request-changes

Purpose: Request changes for admin post

Controller: approvalController.js

Access: Private/Superadmin only

📈 Activity Log API

GET /api/activities

Purpose: Get activity log with advanced filtering

Controller: activityController.js

Description: Retrieves activity logs with filters, pagination, search

Access: Private

POST /api/activities/log

Purpose: Log activity (public API)

Controller: activityController.js

Description: Logs system activities

Access: Private

GET /api/activities/stats

Purpose: Get activity statistics

Controller: activityController.js

Access: Private

GET /api/activities/user/:userId

Purpose: Get user activities

Controller: activityController.js

Access: Private (Admin only)

GET /api/activities/export

Purpose: Export activities

Controller: activityController.js

Description: Export activities as CSV or JSON

Access: Private (Admin only)

DELETE /api/activities/cleanup

Purpose: Clean up old activities

Controller: activityController.js

Access: Private (Superadmin only)

🕐 Scheduler API

GET /api/scheduler/posts

Purpose: Get scheduled posts

Controller: schedulerController.js

Access: Private

PUT /api/scheduler/timezone

Purpose: Update timezone setting

Controller: schedulerController.js

Access: Private

DELETE /api/scheduler/posts/:id

Purpose: Delete scheduled post

Controller: schedulerController.js

Access: Private (Admin, Superadmin, Editor)

GET /api/scheduler/trigger-auto-publish

Purpose: Manual trigger for scheduled posts

Controller: schedulerController.js

Description: Manual trigger for testing auto-publish cron job

Access: Private/Superadmin only

📁 Category Management API

GET /api/categories

Purpose: Get all categories

Controller: categoryController.js

Access: Private

GET /api/categories/:id

Purpose: Get single category

Controller: categoryController.js

Access: Private

POST /api/categories

Purpose: Create new category

Controller: categoryController.js

Access: Private (Admin & Superadmin)

PUT /api/categories/:id

Purpose: Update category

Controller: categoryController.js

Access: Private (Admin & Superadmin)

DELETE /api/categories/:id

Purpose: Delete category

Controller: categoryController.js

Access: Private (Superadmin only)

📁 **File Upload API**

POST /api/upload

Purpose: Upload image

Description: Uploads images for posts

Access: Private

Limits: 5MB, images only

🔄 CRON Jobs (Internal)

processScheduledPosts() (Internal Cron)

Purpose: Auto-publish scheduled posts

Controller: schedulerController.js

Schedule: Runs every minute

Description: Checks for scheduled posts that need to be auto-published

🔑 Permission Summary

Superadmin

Full access to all endpoints

Can manage other admins

Can approve/reject scheduled posts

Can cleanup activity logs

Can export data

Admin with CRUD Access

Full CRUD operations on posts

Can schedule posts directly

Can publish posts directly

Cannot manage other admins

Admin without CRUD Access

Can create drafts

Must submit posts for approval

Can only update their own drafts

Cannot publish directly

Cannot delete posts

📊 Data Flow

Admin without CRUD Access

→ Create Draft → Submit for Approval → Superadmin Review → Approve/Reject → Publish

Admin with CRUD Access

→ Create/Update Post → Publish directly

Scheduled Posts → Created with future date → Approval required (if admin without CRUD) → Auto-publish at scheduled time

Bulk Upload → CSV import → Posts created as drafts → Follow normal approval flow

🎯 Key Features

Dual Permission System: CRUD access flag determines admin capabilities

Approval Workflow: Non-CRUD admins require superadmin approval

Scheduling: Posts can be scheduled for future publication

Activity Tracking: Comprehensive audit trail

Bulk Operations: CSV import for multiple posts

Category Management: Organized content categorization

File Upload: Image upload for posts

Note: All private routes require valid JWT token in Authorization header:

Authorization: Bearer <token>