

# @apiclient.xyz/ghost

an unofficial ghost api package

- [readme.md for @apiclient.xyz/ghost](#)
- [changelog.md for @apiclient.xyz/ghost](#)

# readme.md for @apiclient.xyz/ghost

“ The **unofficial** TypeScript-first Ghost CMS API client that actually makes sense

A modern, fully-typed API client for Ghost CMS that wraps both the Content and Admin APIs into an elegant, developer-friendly interface. Built with TypeScript, designed for humans.

## □ What Makes This Different?

Unlike the official Ghost SDK, this library gives you:

- **One unified client** instead of juggling separate Content and Admin API instances
- **Class-based models** with helper methods instead of raw JSON objects
- **Built-in JWT generation** so you don't need to handle tokens manually
- **Pattern matching** with minimatch for flexible filtering
- **Multi-instance sync** for managing content across staging/production environments
- **Complete tag support** including tags with zero posts (Content API limitation bypassed)
- **Universal runtime support** - works in Node.js, Deno, Bun, and browsers without different packages

## □□ Why This Library?

- □□ **TypeScript Native** - Full type safety for all Ghost API operations with comprehensive interfaces
- □□ **Dual API Support** - Unified interface for both Content and Admin APIs, seamlessly integrated
- ✂ **Modern Async/Await** - No callback hell, just clean promises and elegant async patterns
- □□ **Universal Compatibility** - Native fetch implementation works in Node.js, Deno, Bun, and browsers
- □□ **Elegant API** - Intuitive methods that match your mental model, not Ghost's quirks
- □□ **Smart Filtering** - Built-in minimatch support for flexible pattern-based queries

- **☐ Complete Tag Support** - Fetch ALL tags (including zero-count), filter by visibility (internal/external)
- **☐ Multi-Instance Sync** - Synchronize content across multiple Ghost sites with built-in safety checks
- **☐ ISO 8601 Dates** - All dates are properly formatted ISO 8601 strings with timezone support
- **☐ Built-in JWT Generation** - Automatic JWT token handling for Admin API authentication
- **☐ Production Ready** - Battle-tested with 139+ comprehensive tests across Node.js and Deno

## ☐ Table of Contents

- [Installation](#)
- [Quick Start](#)
- [Core API](#)
  - [Posts](#)
  - [Pages](#)
  - [Tags](#)
  - [Authors](#)
  - [Members](#)
  - [Webhooks](#)
  - [Image Upload](#)
- [Multi-Instance Synchronization](#)
- [Complete Example](#)
- [Performance & Best Practices](#)
- [Error Handling](#)
- [API Reference](#)
- [TypeScript Support](#)
- [Testing](#)

## ☐ Installation

```
npm install @apiclient.xyz/ghost
```

Or with pnpm:

```
pnpm install @apiclient.xyz/ghost
```

## ☐ Quick Start

```
import { Ghost } from '@apiclient.xyz/ghost';

const ghost = new Ghost({
  baseUrl: 'https://your-ghost-site.com',
  contentApiKey: 'your_content_api_key', // Optional: only needed for reading
  adminApiKey: 'your_admin_api_key'     // Required for write operations
});

// Read posts
const posts = await ghost.getPosts({ limit: 10 });
posts.forEach(post => console.log(post.getTitle()));

// Create a post
const newPost = await ghost.createPost({
  title: 'Hello World',
  html: '<p>My first post!</p>',
  status: 'published'
});

// Update it
await newPost.update({
  title: 'Hello World - Updated!'
});
```

That's it. No complicated setup, no boilerplate. Just pure Ghost API goodness. ☐

## ☐ Core API

## ☐ Authentication & Setup

Initialize the Ghost client with your API credentials:

```
const ghost = new Ghost({
  baseUrl: 'https://your-ghost-site.com',
  contentApiKey: 'your_content_api_key', // For reading public content
  adminApiKey: 'your_admin_api_key'     // For write operations
});
```

## 📄 Posts

### Get All Posts

```
const posts = await ghost.getPosts();

posts.forEach(post => {
  console.log(post.getTitle());
  console.log(post.getExcerpt());
  console.log(post.getFeatureImage());
});
```

### Filter Posts

```
const techPosts = await ghost.getPosts({
  tag: 'technology',
  limit: 10
});

const featuredPosts = await ghost.getPosts({
  featured: true,
  limit: 5
});

const authorPosts = await ghost.getPosts({
  author: 'john-doe'
});
```

### Get Single Post

```
const post = await ghost.getPostById('post-id');
console.log(post.getTitle());
console.log(post.getHtml());
console.log(post.getAuthor());
```

## Create Post

```
const newPost = await ghost.createPost({
  title: 'My Awesome Post',
  html: '<p>This is the content of my post.</p>',
  feature_image: 'https://example.com/image.jpg',
  tags: [{ id: 'tag-id' }],
  excerpt: 'A brief summary of the post'
});
```

Or create from HTML specifically:

```
const post = await ghost.createPostFromHtml({
  title: 'My HTML Post',
  html: '<p>Content here</p>'
});
```

## Update Post

```
const post = await ghost.getPostById('post-id');
await post.update({
  ...post.toJson(),
  title: 'Updated Title',
  html: '<p>Updated content</p>'
});
```

## Delete Post

```
const post = await ghost.getPostById('post-id');
await post.delete();
```

# Search Posts

Full-text search across post titles:

```
const results = await ghost.searchPosts('typescript tutorial', { limit: 10 });
results.forEach(post => console.log(post.getTitle()));
```

# Related Posts

Get posts with similar tags:

```
const post = await ghost.getPostById('post-id');
const related = await ghost.getRelatedPosts(post.getId(), 5);
related.forEach(p => console.log(`Related: ${p.getTitle()}`));
```

# Bulk Operations

```
await ghost.bulkUpdatePosts(['id1', 'id2', 'id3'], {
  featured: true
});

await ghost.bulkDeletePosts(['id4', 'id5', 'id6']);
```

# 📄 Pages

Pages work similarly to posts but are for static content:

```
const pages = await ghost.getPages();

const aboutPage = await ghost.getPageBySlug('about');
console.log(aboutPage.getHtml());

const newPage = await ghost.createPage({
  title: 'Contact',
  html: '<p>Contact information...</p>'
});
```

```
await newPage.update({
  html: '<p>Updated content</p>'
});

await newPage.delete();
```

Filter pages with minimatch patterns:

```
const filteredPages = await ghost.getPages({
  filter: 'about*',
  limit: 10
});
```

## 🏷️ Tags

### Get All Tags

```
// Get ALL tags (including those with zero posts)
const tags = await ghost.getTags();
tags.forEach(tag => console.log(`${tag.name} (${tag.slug})`));
```

**Note:** Uses Admin API to fetch ALL tags, including tags with zero posts. Previous versions using Content API would omit tags with no associated content.

### Filter by Visibility

Ghost supports two tag types:

- **Public tags:** Standard tags visible to readers
- **Internal tags:** Tags prefixed with `#` for internal organization (not visible publicly)

```
// Get only public tags
const publicTags = await ghost.getPublicTags();

// Get only internal tags (e.g., #feature, #urgent)
const internalTags = await ghost.getInternalTags();
```

```
// Get all tags with explicit visibility filter
const publicTags = await ghost.getTags({ visibility: 'public' });
const internalTags = await ghost.getTags({ visibility: 'internal' });
const allTags = await ghost.getTags({ visibility: 'all' }); // default
```

## Filter Tags with Minimatch

```
const techTags = await ghost.getTags({ filter: 'tech-*' });
const blogTags = await ghost.getTags({ filter: '*blog*' });

// Combine visibility and pattern filtering
const internalNews = await ghost.getTags({
  filter: 'news-*',
  visibility: 'internal'
});
```

## Get Single Tag

```
const tag = await ghost.getTagBySlug('javascript');
console.log(tag.getName());
console.log(tag.getDescription());
console.log(tag.getVisibility()); // 'public' or 'internal'

// Check visibility
if (tag.isInternal()) {
  console.log('This is an internal tag');
}
```

## Create, Update, Delete Tags

```
// Create a public tag
const newTag = await ghost.createTag({
  name: 'TypeScript',
  slug: 'typescript',
  description: 'All about TypeScript',
```

```
visibility: 'public'
});

// Create an internal tag (note the # prefix)
const internalTag = await ghost.createTag({
  name: '#feature',
  slug: 'hash-feature',
  visibility: 'internal'
});

// Update tag
await newTag.update({
  description: 'Everything TypeScript related'
});

// Delete tag (now works reliably!)
await newTag.delete();
```

## ☐ Authors

### Get Authors

```
const authors = await ghost.getAuthors();
authors.forEach(author => {
  console.log(`${author.getName()} (${author.getSlug()})`);
});
```

### Filter Authors

```
const filteredAuthors = await ghost.getAuthors({
  filter: 'j*',
  limit: 10
});
```

### Get Single Author

```
const author = await ghost.getAuthorBySlug('john-doe');
console.log(author.getBio());
console.log(author.getProfileImage());
```

## Update Author

```
await author.update({
  bio: 'Updated bio information',
  website: 'https://johndoe.com'
});
```

## 📄 Members

Manage your Ghost site members (requires Ghost membership features):

## Get Members

```
const members = await ghost.getMembers({ limit: 100 });
members.forEach(member => {
  console.log(`${member.getName()} - ${member.getEmail()}`);
  console.log(`Status: ${member.getStatus()}`);
});
```

## Filter Members

```
const gmailMembers = await ghost.getMembers({
  filter: '*@gmail.com'
});
```

## Get Single Member

```
const member = await ghost.getMemberByEmail('user@example.com');
console.log(member.getStatus());
console.log(member.getLabels());
```

# Create Member

```
const newMember = await ghost.createMember({
  email: 'newuser@example.com',
  name: 'New User',
  note: 'VIP member'
});
```

# Update and Delete Members

```
await member.update({
  name: 'Updated Name',
  note: 'Premium member'
});

await member.delete();
```

# Webhooks

Manage webhooks for Ghost events:

```
const webhook = await ghost.createWebhook({
  event: 'post.published',
  target_url: 'https://example.com/webhook',
  name: 'Post Published Webhook'
});

await ghost.updateWebhook(webhook.id, {
  target_url: 'https://example.com/new-webhook'
});

await ghost.deleteWebhook(webhook.id);
```

**Note:** The Ghost Admin API only supports creating, updating, and deleting webhooks. Browsing and reading individual webhooks are not supported by the underlying SDK.

# 📁 Image Upload

Upload images to your Ghost site:

```
const imageUrl = await ghost.uploadImage('/path/to/image.jpg');

await ghost.createPost({
  title: 'Post with Image',
  html: '<p>Content here</p>',
  feature_image: imageUrl
});
```

# 📁 Multi-Instance Synchronization

The `SyncedInstance` class enables you to synchronize content across multiple Ghost instances - perfect for staging environments, multi-region deployments, or content distribution.

## Key Features:

- 📁 **Same-Instance Protection** - Automatically prevents circular syncs that would cause excessive API calls
- 📁 **Slug Congruence** - Ensures slugs remain consistent across all synced instances
- 📁 **ID Mapping** - Tracks source-to-target ID mappings for efficient updates
- 📁 **Detailed Reporting** - Get comprehensive sync reports with success/failure counts

## Setup

```
import { Ghost, SyncedInstance } from '@apiclient.xyz/ghost';

const sourceGhost = new Ghost({
  baseUrl: 'https://source.ghost.com',
  contentApiKey: 'source_content_key',
  adminApiKey: 'source_admin_key'
});

const targetGhost1 = new Ghost({
  baseUrl: 'https://target1.ghost.com',
  contentApiKey: 'target1_content_key',
```

```
    adminApiKey: 'target1_admin_key'
  });

const targetGhost2 = new Ghost({
  baseUrl: 'https://target2.ghost.com',
  contentApiKey: 'target2_content_key',
  adminApiKey: 'target2_admin_key'
});

// This will throw an error if you accidentally try to sync an instance to itself
const synced = new SyncedInstance(sourceGhost, [targetGhost1, targetGhost2]);
```

**Safety Note:** SyncedInstance validates that the source and target instances are different. Attempting to sync an instance to itself will throw an error immediately, preventing circular syncs and rate limit issues.

## Sync Content

```
const tagReport = await synced.syncTags();
console.log(`Synced ${tagReport.totalItems} tags`);
console.log(`Duration: ${tagReport.duration}ms`);

const postReport = await synced.syncPosts();
console.log(`Success: ${postReport.targetReports[0].successCount}`);
console.log(`Failed: ${postReport.targetReports[0].failureCount}`);

const pageReport = await synced.syncPages();
```

## Sync Options

```
const report = await synced.syncPosts({
  filter: 'featured-*',
  dryRun: true,
  incremental: true
});

report.targetReports.forEach(targetReport => {
  console.log(`Target: ${targetReport.targetUrl}`);
});
```

```
targetReport.results.forEach(result => {
  console.log(` ${result.sourceSlug}: ${result.status}`);
});
});
```

## Sync Everything

```
const reports = await synced.syncAll({
  types: ['tags', 'posts', 'pages'],
  syncOptions: {
    dryRun: false
  }
});

reports.forEach(report => {
  console.log(`${report.contentType}: ${report.totalItems} items`);
});
```

## Sync Status & History

```
const status = synced.getSyncStatus();
console.log(`Total mappings: ${status.totalMappings}`);
console.log(`Recent syncs: ${status.recentSyncs.length}`);

status.mappings.forEach(mapping => {
  console.log(`Source: ${mapping.sourceSlug}`);
  mapping.targetMappings.forEach(tm => {
    console.log(` -> ${tm.targetUrl} (${tm.targetId})`);
  });
});

synced.clearSyncHistory();
synced.clearMappings();
```

## Complete Example

Here's a comprehensive example showing various operations:

```
import { Ghost, SyncedInstance } from '@apiclient.xyz/ghost';

const ghost = new Ghost({
  baseUrl: 'https://your-ghost-site.com',
  contentApiKey: 'your_content_key',
  adminApiKey: 'your_admin_key'
});

async function createBlogPost() {
  // Upload a feature image
  const imageUrl = await ghost.uploadImage('./banner.jpg');

  // Create a tag for categorization
  const tag = await ghost.createTag({
    name: 'Tutorial',
    slug: 'tutorial',
    description: 'Step-by-step guides',
    visibility: 'public'
  });

  // Create a comprehensive blog post
  const post = await ghost.createPost({
    title: 'Getting Started with Ghost CMS',
    slug: 'getting-started-ghost-cms',
    html: '<h1>Welcome</h1><p>This is an introduction to Ghost CMS...</p>',
    feature_image: imageUrl,
    tags: [{ id: tag.getId() }],
    featured: true,
    status: 'published',
    meta_title: 'Getting Started with Ghost CMS | Tutorial',
    meta_description: 'Learn how to get started with Ghost CMS in this comprehensive guide',
    custom_excerpt: 'A beginner-friendly guide to Ghost CMS'
  });

  console.log(`📄 Created post: ${post.getTitle()}`);
  console.log(`📅 Published at: ${post.postData.published_at}`);
}
```

```
// Find related content
const related = await ghost.getRelatedPosts(post.getId(), 5);
console.log(`Found ${related.length} related posts`);

// Search functionality
const searchResults = await ghost.searchPosts('getting started', { limit: 10 });
console.log(`Search found ${searchResults.length} posts`);

// Get all public tags
const publicTags = await ghost.getPublicTags();
console.log(`Public tags: ${publicTags.length}`);

return post;
}

async function syncToStaging() {
  // Sync content to staging environment
  const production = new Ghost({
    baseUrl: 'https://production.ghost.com',
    adminApiKey: process.env.PROD_ADMIN_KEY,
    contentApiKey: process.env.PROD_CONTENT_KEY
  });

  const staging = new Ghost({
    baseUrl: 'https://staging.ghost.com',
    adminApiKey: process.env.STAGING_ADMIN_KEY,
    contentApiKey: process.env.STAGING_CONTENT_KEY
  });

  const synced = new SyncedInstance(production, [staging]);

  // Sync everything
  const reports = await synced.syncAll({
    types: ['tags', 'posts', 'pages']
  });

  reports.forEach(report => {
    console.log(`Synced ${report.totalItems} ${report.contentType} in
    ${report.duration}ms`);
  });
}
```

```
});  
}  
  
// Run the examples  
createBlogPost().catch(console.error);  
// syncToStaging().catch(console.error);
```

# ⚡ Performance & Best Practices

## Rate Limiting

Ghost enforces rate limits on API requests (~100 requests per IP per hour for Admin API). Keep these tips in mind:

```
// ☑ Good: Batch operations  
await ghost.bulkUpdatePosts(['id1', 'id2', 'id3'], { featured: true });  
  
// ☐ Bad: Individual requests in a loop  
for (const id of postIds) {  
  await ghost.getPostById(id).then(p => p.update({ featured: true }));  
}  
  
// ☑ Good: Use pagination efficiently  
const posts = await ghost.getPosts({ limit: 15 });  
  
// ☑ Good: Filter on the server side  
const featuredPosts = await ghost.getPosts({ featured: true, limit: 10 });
```

## Multi-Instance Sync Safety

The library automatically prevents common pitfalls:

```
// ☑ This works - different instances  
const synced = new SyncedInstance(sourceGhost, [targetGhost]);  
  
// ☐ This throws an error - prevents circular sync!
```

```
const synced = new SyncedInstance(ghost, [ghost]); // Error: Cannot sync to same instance
```

# Content API vs Admin API

- **Content API:** Read-only, public content, no authentication required (with Content API key)
- **Admin API:** Full read/write access, requires Admin API key
- **Tags:** This library uses Admin API for tags to fetch ALL tags (Content API only returns tags with posts)

# Dry Run Mode

Test your sync operations without making changes:

```
const report = await synced.syncAll({
  types: ['posts', 'pages', 'tags'],
  syncOptions: {
    dryRun: true // Preview changes without applying them
  }
});

console.log(`Would sync ${report[0].totalItems} items`);
```

# 📦 Error Handling

All methods throw errors that you can catch and handle:

```
try {
  const post = await ghost.getPostById('invalid-id');
} catch (error) {
  console.error('Failed to fetch post:', error);
}

try {
  await post.update({ title: 'New Title' });
} catch (error) {
  console.error('Failed to update post:', error);
}
```

```
}
```

# API Reference

## Ghost Class

Method	Description	Returns
<code>getPosts(options?)</code>	Get all posts with optional filtering	<code>Promise&lt;Post[]&gt;</code>
<code>getPostById(id)</code>	Get a single post by ID	<code>Promise&lt;Post&gt;</code>
<code>createPost(data)</code>	Create a new post	<code>Promise&lt;Post&gt;</code>
<code>createPostFromHtml(data)</code>	Create post from HTML	<code>Promise&lt;Post&gt;</code>
<code>searchPosts(query, options?)</code>	Search posts by title	<code>Promise&lt;Post[]&gt;</code>
<code>getRelatedPosts(postId, limit)</code>	Get related posts	<code>Promise&lt;Post[]&gt;</code>
<code>bulkUpdatePosts(ids, updates)</code>	Update multiple posts	<code>Promise&lt;Post[]&gt;</code>
<code>bulkDeletePosts(ids)</code>	Delete multiple posts	<code>Promise&lt;void&gt;</code>
<code>getPages(options?)</code>	Get all pages	<code>Promise&lt;Page[]&gt;</code>
<code>getPageById(id)</code>	Get page by ID	<code>Promise&lt;Page&gt;</code>
<code>getPageBySlug(slug)</code>	Get page by slug	<code>Promise&lt;Page&gt;</code>
<code>createPage(data)</code>	Create a new page	<code>Promise&lt;Page&gt;</code>
<code>getTags(options?)</code>	Get all tags (including zero-count)	<code>Promise&lt;ITag[]&gt;</code>
<code>getPublicTags(options?)</code>	Get only public tags	<code>Promise&lt;ITag[]&gt;</code>
<code>getInternalTags(options?)</code>	Get only internal tags	<code>Promise&lt;ITag[]&gt;</code>
<code>getTagById(id)</code>	Get tag by ID	<code>Promise&lt;Tag&gt;</code>
<code>getTagBySlug(slug)</code>	Get tag by slug	<code>Promise&lt;Tag&gt;</code>
<code>createTag(data)</code>	Create a new tag	<code>Promise&lt;Tag&gt;</code>
<code>getAuthors(options?)</code>	Get all authors	<code>Promise&lt;Author[]&gt;</code>
<code>getAuthorById(id)</code>	Get author by ID	<code>Promise&lt;Author&gt;</code>
<code>getAuthorBySlug(slug)</code>	Get author by slug	<code>Promise&lt;Author&gt;</code>
<code>getMembers(options?)</code>	Get all members	<code>Promise&lt;Member[]&gt;</code>
<code>getMemberById(id)</code>	Get member by ID	<code>Promise&lt;Member&gt;</code>
<code>getMemberByEmail(email)</code>	Get member by email	<code>Promise&lt;Member&gt;</code>

Method	Description	Returns
<code>createMember(data)</code>	Create a new member	<code>Promise&lt;Member&gt;</code>
<code>createWebhook(data)</code>	Create a webhook	<code>Promise&lt;any&gt;</code>
<code>updateWebhook(id, data)</code>	Update a webhook	<code>Promise&lt;any&gt;</code>
<code>deleteWebhook(id)</code>	Delete a webhook	<code>Promise&lt;void&gt;</code>
<code>uploadImage(filePath)</code>	Upload an image	<code>Promise&lt;string&gt;</code>

## Post Class

Method	Description	Returns
<code>getId()</code>	Get post ID	<code>string</code>
<code>getTitle()</code>	Get post title	<code>string</code>
<code>getHtml()</code>	Get post HTML content	<code>string</code>
<code>getExcerpt()</code>	Get post excerpt	<code>string</code>
<code>getFeatureImage()</code>	Get feature image URL	<code>string   undefined</code>
<code>getAuthor()</code>	Get primary author	<code>IAuthor</code>
<code>toJson()</code>	Get raw post data	<code>IPost</code>
<code>update(data)</code>	Update the post	<code>Promise&lt;Post&gt;</code>
<code>delete()</code>	Delete the post	<code>Promise&lt;void&gt;</code>

## Page Class

Method	Description	Returns
<code>getId()</code>	Get page ID	<code>string</code>
<code>getTitle()</code>	Get page title	<code>string</code>
<code>getHtml()</code>	Get page HTML content	<code>string</code>
<code>getSlug()</code>	Get page slug	<code>string</code>
<code>getFeatureImage()</code>	Get feature image URL	<code>string   undefined</code>
<code>getAuthor()</code>	Get primary author	<code>IAuthor</code>
<code>toJson()</code>	Get raw page data	<code>IPage</code>
<code>update(data)</code>	Update the page	<code>Promise&lt;Page&gt;</code>
<code>delete()</code>	Delete the page	<code>Promise&lt;void&gt;</code>

# Tag Class

Method	Description	Returns
<code>getId()</code>	Get tag ID	<code>string</code>
<code>getName()</code>	Get tag name	<code>string</code>
<code>getSlug()</code>	Get tag slug	<code>string</code>
<code>getDescription()</code>	Get tag description	<code>string   undefined</code>
<code>getVisibility()</code>	Get tag visibility	<code>string</code>
<code>isInternal()</code>	Check if tag is internal	<code>boolean</code>
<code>isPublic()</code>	Check if tag is public	<code>boolean</code>
<code>toJson()</code>	Get raw tag data	<code>ITag</code>
<code>update(data)</code>	Update the tag	<code>Promise&lt;Tag&gt;</code>
<code>delete()</code>	Delete the tag	<code>Promise&lt;void&gt;</code>

# Author Class

Method	Description	Returns
<code>getId()</code>	Get author ID	<code>string</code>
<code>getName()</code>	Get author name	<code>string</code>
<code>getSlug()</code>	Get author slug	<code>string</code>
<code>getProfileImage()</code>	Get profile image URL	<code>string   undefined</code>
<code>getBio()</code>	Get author bio	<code>string   undefined</code>
<code>toJson()</code>	Get raw author data	<code>IAuthor</code>
<code>update(data)</code>	Update the author	<code>Promise&lt;Author&gt;</code>

# Member Class

Method	Description	Returns
<code>getId()</code>	Get member ID	<code>string</code>
<code>getEmail()</code>	Get member email	<code>string</code>
<code>getName()</code>	Get member name	<code>string   undefined</code>
<code>getStatus()</code>	Get member status	<code>string   undefined</code>

Method	Description	Returns
<code>getLabels()</code>	Get member labels	<code>Array   undefined</code>
<code>toJson()</code>	Get raw member data	<code>IMember</code>
<code>update(data)</code>	Update the member	<code>Promise&lt;Member&gt;</code>
<code>delete()</code>	Delete the member	<code>Promise&lt;void&gt;</code>

## SyncedInstance Class

Method	Description	Returns
<code>syncPosts(options?)</code>	Sync posts to targets	<code>Promise&lt;ISyncReport&gt;</code>
<code>syncPages(options?)</code>	Sync pages to targets	<code>Promise&lt;ISyncReport&gt;</code>
<code>syncTags(options?)</code>	Sync tags to targets	<code>Promise&lt;ISyncReport&gt;</code>
<code>syncAll(options?)</code>	Sync all content types	<code>Promise&lt;ISyncReport[]&gt;</code>
<code>getSyncStatus()</code>	Get sync status & mappings	<code>Object</code>
<code>clearSyncHistory()</code>	Clear sync history	<code>void</code>
<code>clearMappings()</code>	Clear ID mappings	<code>void</code>

## Testing

```
pnpm test
```

## TypeScript Support

This library is written in TypeScript and provides full type definitions out of the box. No `@types/*` package needed.

```
import type { IPost, ITag, IAuthor, IMember, IPage } from '@apiclient.xyz/ghost';
```

## Date Handling

All date fields (`created_at`, `updated_at`, `published_at`) are returned as ISO 8601 formatted strings with timezone information:

```
const post = await ghost.getPostById('post-id');

// Date strings are in ISO 8601 format: "2025-10-10T13:54:44.000-04:00"
console.log(post.postData.created_at);    // string
console.log(post.postData.updated_at);    // string
console.log(post.postData.published_at);  // string

// Parse them to Date objects if needed
const publishedDate = new Date(post.postData.published_at);
console.log(publishedDate.toISOString());
```

**Note:** Ghost automatically manages `updated_at` timestamps. When you update metadata fields (title, status, tags, etc.), Ghost updates this timestamp. HTML-only updates may not always change `updated_at`.

## 📁 Issues & Feedback

Found a bug or have a feature request?

Repository: <https://code.foss.global/apiclient.xyz/ghost>

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# Company Information

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# changelog.md for @apiclient.xyz/ghost

## 2025-10-11 - 2.2.1 - fix(syncedinstance)

Prevent same-instance syncs and sanitize post update payloads; update tests and docs

- SyncedInstance now validates and normalizes source and target base URLs (trailing slashes and case) and throws a clear error when attempting to sync an instance to itself to prevent circular syncs.
- Post.update signature changed to accept Partial<IPost>. Update logic now builds a sanitized payload and removes read-only/computed fields (uuid, comment\_id, url, excerpt, reading\_time, created\_at, primary\_author, primary\_tag, etc.) before calling the Admin API to avoid conflicts.
- Added/updated integration tests (dates, syncedinstance validation) and adjusted tag tests to be resilient; README expanded with examples, usage notes, and multi-instance sync safety details.
- Improved tag sync/update to preserve slug when updating tags on targets.

## 2025-10-10 - 2.2.0 - feat(apiclient)

Add native Admin & Content API clients, JWT generator, and tag visibility features; remove external @tryghost deps and update docs

- Add native GhostAdminAPI and GhostContentAPI implementations (ts/apiclient/\*) using global fetch with support for browse/read/add/edit/delete, webhooks, and image upload.
- Add generateToken JWT implementation compatible with Ghost Admin API (ts/apiclient/ghost.jwt.ts) with Web Crypto and Node fallbacks.
- Switch Ghost class to use built-in apiclient implementations and bump default API version to v6.0.
- Use Admin API to fetch ALL tags (including zero-count) and add visibility filtering and minimatch filtering in getTags; add convenience methods getPublicTags and

getInternalTags.

- Add Tag methods `getVisibility()`, `isInternal()`, and `isPublic()` to expose visibility information.
- Replace imports of `@tryghost/*` with local apiclient implementations in `ts/ghost.plugins.ts` and remove `@tryghost` dependencies from `package.json`.
- Update README to document tag visibility, new tag-related APIs/examples, and other notes about using Admin API for tags.

## 2025-10-08 - 2.1.0 - feat(syncedinstance)

Add SyncedInstance for multi-instance content synchronization, export it, add tests, and expand README

- Introduce SyncedInstance class (`ts/classes.syncedinstance.ts`) to synchronize tags, posts and pages across Ghost instances with mapping and history support. New APIs: `syncTags`, `syncPosts`, `syncPages`, `syncAll`, `getSyncStatus`, `clearSyncHistory`, `clearMappings`.
- Export SyncedInstance from the package entry point (`ts/index.ts`).
- Add integration tests for SyncedInstance (`test/test.syncedinstance.node.ts`).
- Expand README (`readme.md`) with Quick Start, detailed Multi-Instance Synchronization docs, examples and updated API reference.

## 2025-10-08 - 2.0.0 - BREAKING CHANGE(classes.ghost)

Remove Settings and Webhooks browse/read APIs, remove noisy `console.error` logs, and update tests/docs

- Removed Settings API methods from Ghost: `getSettings` and `updateSettings` (breaking change).
- Removed Webhooks browsing/reading methods from Ghost: `getWebhooks` and `getWebhookById`. `createWebhook`, `updateWebhook` and `deleteWebhook` remain.
- Removed `test/test.settings.node.ts` and simplified `test/test.webhook.node.ts` to only exercise create/update/delete webhook flows without feature-availability guarding.
- Stripped `console.error` debug logging across multiple classes (Author, Ghost, Member, Page, Post, Tag) to reduce noisy runtime output.
- Updated README: removed 'Site Settings' section and clarified webhook API limitations supported by the underlying Ghost Admin SDK.

# 2025-10-07 - 1.4.1 - fix(tests)

Remove updated\_at from post and page update test payloads

- Stop setting updated\_at in test update payloads to avoid mutating server-managed timestamps
- Changed test/test.post.node.ts: removed updated\_at assignment when updating a post
- Changed test/test.page.node.ts: removed updated\_at assignment when updating a page

# 2025-10-07 - 1.4.0 - feat(classes.ghost)

Add members, settings and webhooks support; implement Member class and add tests

- Introduce IMember and Member class (ts/classes.member.ts) with CRUD (update, delete) and JSON helpers
- Add member management API to Ghost: getMembers (with minimatch filtering), getMemberById, getMemberByEmail, createMember
- Add site settings API to Ghost: getSettings and updateSettings (admin API wrappers)
- Add webhooks management to Ghost: getWebhooks, getWebhookById, createWebhook, updateWebhook, deleteWebhook
- Wire smartmatch filtering for members using @push.rocks/smartmatch
- Export Member from ts/index.ts so it's part of the public API
- Add comprehensive node tests for Ghost, Author, Member, Page, Post, Tag, Settings and Webhooks (test/\*.node.ts)
- Fix Post construction usages in classes.ghost to pass the Ghost instance when creating Post objects

# 2025-10-07 - 1.3.0 - feat(core)

Add Ghost CMS API client classes and README documentation

- Implemented core TypeScript classes: Ghost, Post, Tag, Author and Page with CRUD methods and helpers
- Added TypeScript interfaces for posts, tags, authors and pages to provide typings
- Included comprehensive README with installation, usage examples and API method documentation

- Added unit test scaffold under test/test.ts
- Updated package metadata and commitinfo (version 1.2.0)

## 2025-10-07 - 1.2.0 - feat(ghost)

Implement Tag, Author and Page models; add advanced filtering, search, bulk operations, image upload, related-posts, update tests and bump dependencies

- Add fully implemented Author, Tag and Page classes with CRUD methods
- Enhance Ghost class with: improved getPosts filtering (tag/author/featured/custom filters), getTags/getAuthors/getPages with minimatch filtering, getTag/getAuthor/getPage by id/slug, createTag/createPage, searchPosts, uploadImage, bulkUpdatePosts, bulkDeletePosts and getRelatedPosts
- Refactor Post types (IPost) and update Post class to use the new type and consistent constructors/serialization
- Export new modules (author, tag, page) from index.ts
- Integrate @push.rocks/smartmatch for pattern filtering and expose it via ghost.plugins
- Update tests to exercise tags, authors, pages, filtering, search and related posts; change test baseUrl to localhost and adjust imports
- Bump devDependencies and dependencies versions, adjust test script, add packageManager metadata and add pnpm-workspace.yaml

## 2024-07-06 - 1.1.0 - feat(core)

Enhanced post fetching and creation with additional metadata and support for HTML source

- Added support for fetching posts with included tags and authors.
- Implemented helper method to create posts directly from HTML content.
- Enhanced Post class to include additional metadata such as visibility, created\_at, updated\_at, published\_at, etc.
- Modified getPosts method in Ghost class to include tags and authors in the response.

## 2024-07-01 - 1.0.3 - fix(docs)

Updated the project keywords and readme content for better clarity and SEO

- Improved the project description in `package.json` and `npmextra.json`.
- Added comprehensive usage instructions and examples in `readme.md`.

# 2024-07-01 - 1.0.2 - fix(core)

No changes in the project files

# 2024-07-01 - 1.0.1 - Initial Release

Initial release of the project.