API

Tiki 24 now has an API, leveraging swagger-api/swagger-ui

First commit: https://gitlab.com/tikiwiki/tiki/-/merge_requests/1028

Tiki 24+

A self-documented REST API is available in Tiki 24. This new feature is exposing the most commonly used elements of the system, notably:

- Categories
- Comments
- Groups
- Search
- Trackers
- Translation
- Users
- and Wiki

To start using Tiki API, you may need to refer to this documentation which details its endpoints.

Getting Started

Enable API access via Admin -> Security tab.

Documentation

The Documentation is embedded in Tiki. See /api/ on your target Tiki 24+ installation for an OpenAPI 3.0 documentation of the API.

See GET/version reference in documentation.

Authorization

API requests should be authenticated with a token created by Tiki admin (via Admin -> Security tab). Each token gives their owner access with one and only one Tiki user. Permissions configuration is then based on that Tiki user's groups.

Tokens can be created in two ways:

1. Using Tiki OAuth 2.0 server. The documentation contains endpoints and parameters for different grant types.
2. Manually, in the Control Panel via Admin -> Security tab. Each token is associated with a user. Any API call using the token will act as the user observing all user's permissions.
OAuth 2.0 Server

Tiki can act as an OAuth server. Admin -> Security tab has a link to manage authenticated clients. This section creates client IDs and secrets for 3rd party apps using Tiki API. Authorization flow can be:
1. Machine-to-machine - use client authorization grant type. Send your credentials directly to access_token endpoint to retrieve the access token.
2. End-user-to-machine - use auth flow grant type. Start by sending the user to authorize endpoint. This allows Tiki to ask target user for permission to grant access token with their user privileges. Once agreed, user is redirected back to your app/web app/machine where you do a machine-to-machine request to access_token endpoint to get the actual access token.

Access tokens generated by Tiki OAuth server are JWT encoded.

Coverage

API endpoints include
1. Authorization flow.
2. API version.
3. Category CRUD + object categorization.
4. Comments CRUD + thread locking and moderation.
5. Groups CRUD + user association.
6. Search index rebuild and lookup.
7. Trackers/Fields/Items CRUD + special features like dump/export, clone, duplicate, clear.
8. Manage object translations.
10. Wiki pages CRUD, locking and parsing/display.

Major items in wishlist for next versions of the API:
1. Files and file galleries.
2. Articles, blogs, other wiki-related elements.
3. Calendars.
Pre-Tiki 24 notes

Aliases

- service URL
- URL arguments