# API Integration

# Integrating with Forma Cloud APIs and Postman

## Overview

Forma Cloud provides a complete set of REST APIs that allow you to perform the most common operations on users, courses, enrollments, certificates, and reporting.

Forma Cloud uses the standard APIs of Forma LMS.

Official Forma LMS API Documentation:
https://docs.google.com/document/d/1bbNL7AR_2gbescLkgBIL3Cu7BZ9tZLky9spM3bfkZjA/edit?tab=t.0

## Common Use Cases

The APIs can be used to integrate the platform with other corporate systems.

**HR System Synchronization**

- Automatic user creation in the platform
- User profile updates
- Deactivation of terminated employees

**HSE Management Integration**

- Export of course completion certificates
- Monitoring mandatory training expiration dates
- Synchronization of compliance training status

**Business Intelligence & Reporting**

- Extraction of course completion data

- Monitoring training KPIs
- Integration with external analytics tools

**Corporate Portal Integration**

- Single Sign-On (SSO)
- Display of training status in company intranet
- Custom dashboards

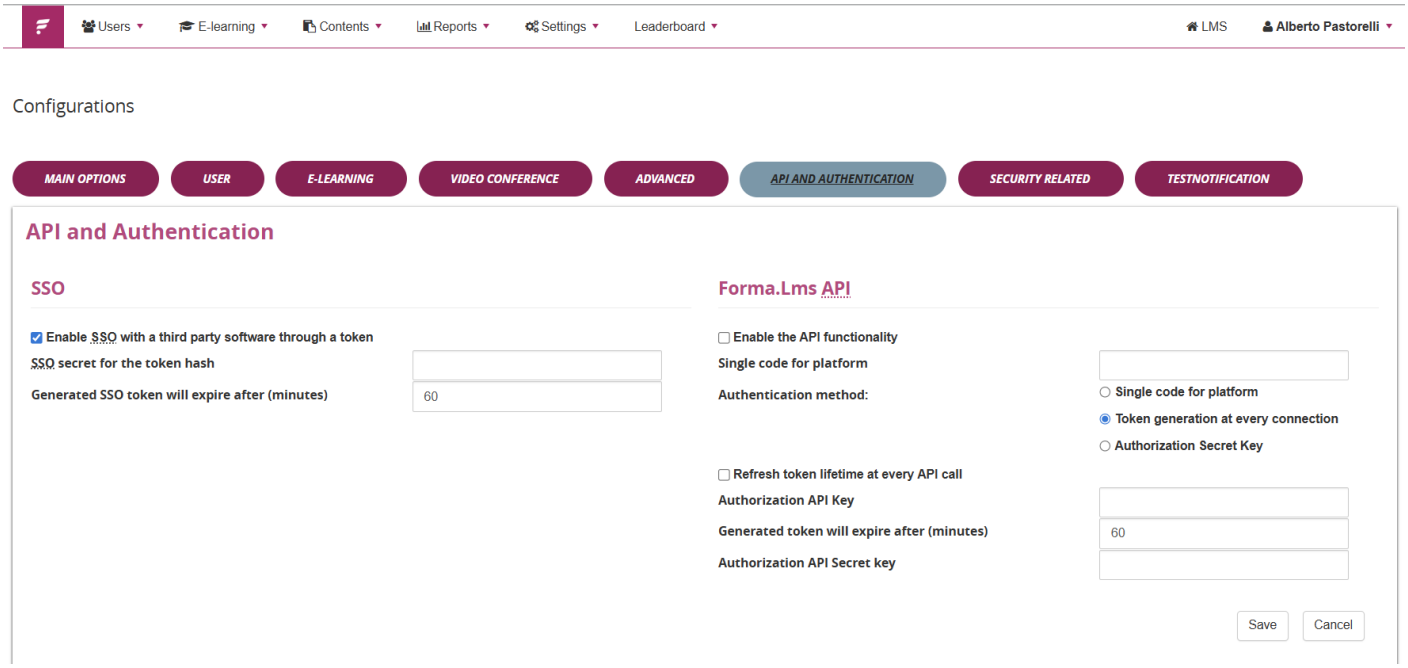
> In multi-tenant installations, it is strongly discouraged to grant API access to individual sub-clients. Doing so may expose sensitive data across different tenants, increasing the risk of privacy breaches and unauthorized access. To ensure proper data isolation and security, API usage should be restricted to controlled and centralized contexts.

# Enabling the APIs in Forma Cloud

APIs can be enabled and configured directly from your platform.

**Configuration Path:**

> Admin > System Configuration > Settings > API & SSO




Here you can:

- Enable API access

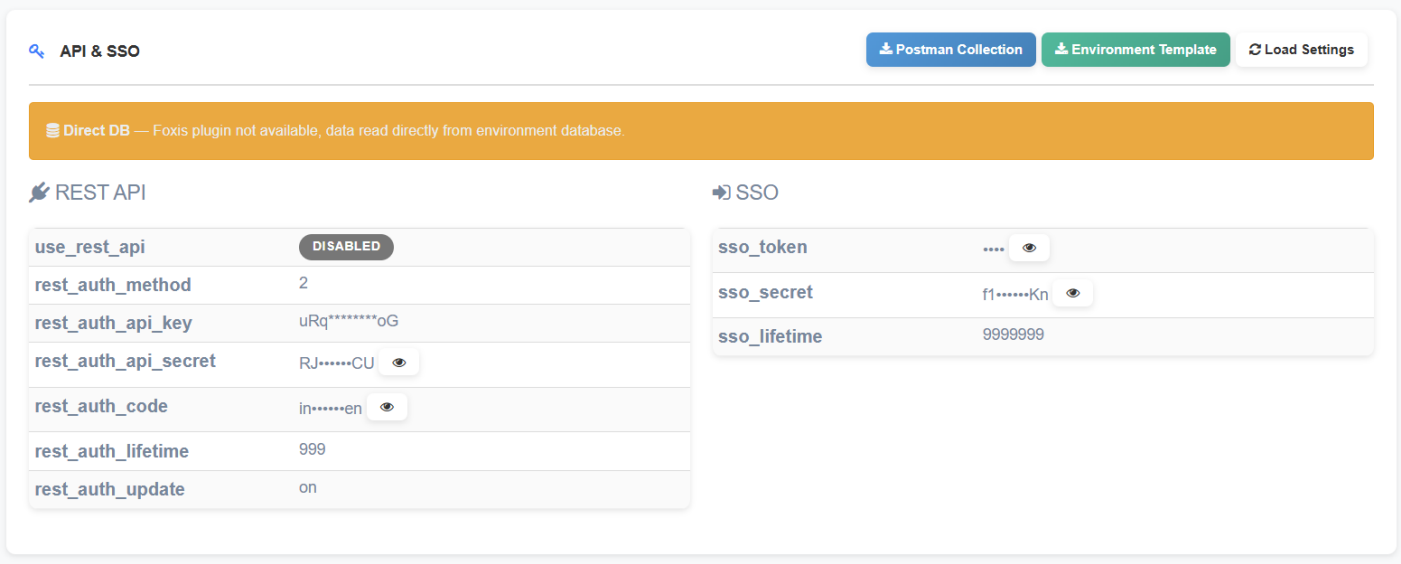
- Configure security parameters
- Manage authentication and tokens
- Configure SSO if required (Check the Forma Cloud SSO documentation)

Forma LMS official system configuration guide: https://docs2.formalms.org/books/reference-guide/page/system-configuration

# Exporting the Postman Collection from Forma Factory

Once your platform's API are activated and configured, From your **Client Control Panel** you can:

- Export a ready-to-use Postman Collection
- Download the related connection JSON files
- Quickly import API calls into Postman




This avoids manual configuration and speeds up testing.

## What is Postman?

Postman is a popular tool for testing and developing APIs in a simple and visual way.

- Send HTTP requests (GET, POST, PUT, DELETE)
- Add headers and authentication tokens
- Manage environments (e.g., production / staging)
- Save collections of API calls
- Write automated tests on responses

It is available as a desktop application and as a web application.

## How to Use Postman with Forma Cloud

### 1. Import the Collection

- Open Postman
- Click Import
- Select the .json file exported from Forma Factory

### 2. Configure the Environment

Set the main variables:

- base_url
- client_id (if required)
- client_secret or token

### 3. Authenticate

Use the authentication endpoint to obtain an access token as described in the official documentation.

## Execute API Calls

Select the desired endpoint (e.g., users, courses, enrollments) and send the request.

> **API response standard**: the mantained format is **JSON**. Most API still provide also the legacy XML format, but is now deprecated and will be removed in future releases.

# Security & Best Practices

- Always test you API calls on the provided sandbox environment (if not active, just ask the helpdesk ;) ).
- Never share tokens or credentials
- Use separate environments for testing and production
- Limit API user permissions
- Monitor API usage through system logs

# Official Resources

- Forma LMS API Documentation: https://docs.google.com/document/d/1bbNL7AR_2gbescLkgBIL3Cu7BZ9tZLky9spM3bfkZjA/

edit?tab=t.0

- System Configuration Guide: https://docs2.formalms.org/books/reference-guide/page/system-configuration

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Revision #10
Created 2025-07-01 08:45:30 UTC by Alberto Pastorelli
Updated 2026-05-25 13:35:59 UTC by Alberto Pastorelli