



x-Twins User Guide

Application Documentation

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Table of contents

- 1. Introduction 2
 - 1.1. Purpose of the Documentation 2
- 2. Administration & Type of Users 3
 - 2.1. Users & respective type 3
- 3. Public API 3
 - 3.1. Generate API public Key 3
 - 3.2. Overview of the Endpoints 4
 - 3.3. Token-based Authentication 4
 - 3.4. Detailed Explanation 4
 - 3.5. Health Check Endpoint 4
 - 3.6. GenAI Endpoints 4
 - 3.7. Projects Endpoints..... 5
- 4. Frequently Asked Questions (FAQs) 7
- 5. Support and Contact Information 7

1. Introduction

1.1. Purpose of the Documentation

This This document serves as a comprehensive guide to understanding how the xTwins Public Key API works. The xTwins Public Key API is a powerful tool that enhances security and facilitates seamless integration by enabling secure authentication and communication between systems. This documentation outlines the key functionalities, usage instructions, and best practices for leveraging the API effectively. Whether you are integrating external applications, automating

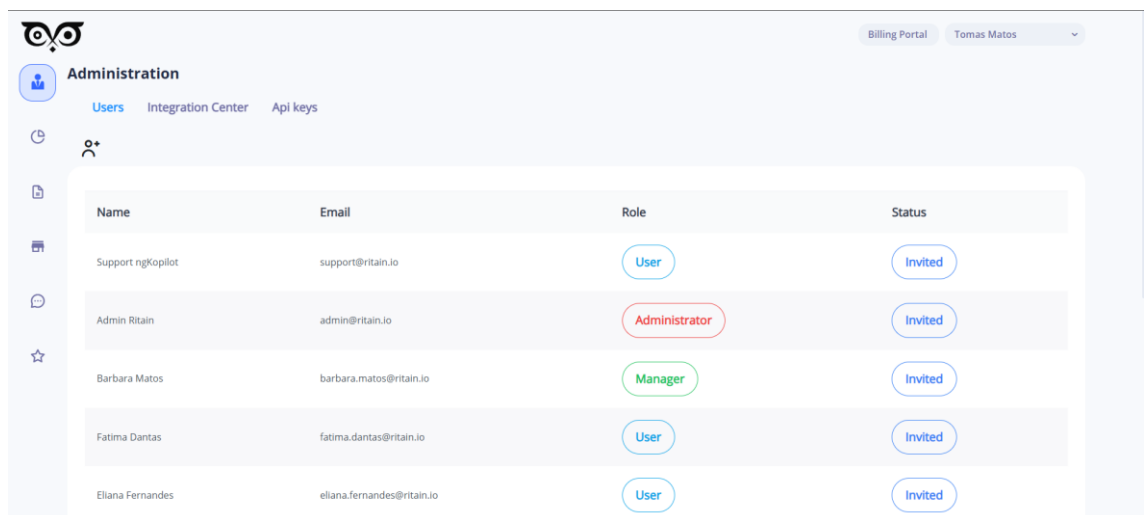


workflows, or ensuring secure data exchanges, this guide will help you navigate the API's capabilities to maximize efficiency and reliability.

2. Administration & Type of Users

2.1. Users & respective type

On the administration page, in the user section, the user types will be visible, categorized as Admin, Manager, and User. The distinction lies in their permissions: Administrator and Managers can generate a new public API Key, edit projects, manage project members, delete them, and perform similar actions. Users, on the other hand, can only utilize the API Key for the project to which they are associated. The page should resemble the following image:



The screenshot shows the 'Administration' section of the xTwins interface, specifically the 'Users' tab. It features a table with columns for Name, Email, Role, and Status. The table lists five users: Support ngKopilot (User), Admin Ritain (Administrator), Barbara Matos (Manager), Fatima Dantas (User), and Eliana Fernandes (User). All users have a status of 'Invited'. The interface includes a sidebar with navigation icons and a top bar with a 'Billing Portal' link and a user profile dropdown for 'Tomas Matos'.

Name	Email	Role	Status
Support ngKopilot	support@ritain.io	User	Invited
Admin Ritain	admin@ritain.io	Administrator	Invited
Barbara Matos	barbara.matos@ritain.io	Manager	Invited
Fatima Dantas	fatima.dantas@ritain.io	User	Invited
Eliana Fernandes	eliana.fernandes@ritain.io	User	Invited

3. Public API

xTwins Public API Base URL: <https://papi.x-twins.ai>

3.1. Generate API public Key

In order to use xTwins public API, clients need to generate a public API key inside the application. To achieve this, clients are required to visit the Administration section. Inside the api keys page, a new key can be generated. It is important to note that the key can only be copied once during the creation process. Whenever a new API key is generated, clients must update any previously configured requests to the xTwins public API, including requests to the integrators.



3.2. Overview of the Endpoints

Endpoint	Method	Description
/api/v1/genai/execute_prompt	POST	Sends a new message to an agent, either within a new conversation or an ongoing one.
/api/v1/projects/upload_context_file	POST	Updates your project's context files used by AI agents.
/api/health_check	GET	Verify if the system is up and running.

3.3. Token-based Authentication

The client needs to provide valid authentication in the majority of the requests sent to the xTwins Atlassian Integrator API. Client authentication is achieved by:

- **Adding 'x-api-key' header:** Requests must contain a 'x-api-key' header where value should be an organization-unique key that can be generated and managed inside xTwins application Administrator panel. This token is confidential and should be stored securely.

3.4. Detailed Explanation

3.5. Health Check Endpoint

The Health Check endpoint serves to monitor the health status of the application.

❖ GET /api/health_check

GET

/api/health_check

▼

Description: Used to check the status of xTwins Application.

Requires Authentication: No

Returns:

Code	Description
200	App is healthy and running
503	Service is currently unavailable

3.6. GenAI Endpoints

The GenAI endpoints enable clients to perform AI-related operations, ensuring seamless communication and interaction with xTwins AI-based agents and remaining functionalities.



❖ POST /api/v1/genai/execute_prompt

POST /api/v1/genai/execute_prompt

Description: Enables the initiation of a new conversation or the continuation of an existing one with AI-based agents.

Requires Authentication: Yes

Request Headers:

- x-api-key: Client's unique API key

Request Payload:

REQUEST BODY SCHEMA: application/json

project required	string The name of the configured xSapiens project.
agent_uuid required	string Unique string that identifies the AI-based agent that is being called. String format: agent_{agent_name}V{agent_version}
thread_id	string Unique string that identifies the thread used to communicate with the AI-based agent. If the value is empty, a new conversation will start with the agent.
message required	object Initial message with all fields that should be sent to the AI-based agent. Check agent's documentation to verify required fields per agent.

Returns:

Code	Description
200	Prompt executed successfully
400	No version found for agent provided in agent_uuid
401	No valid authentication provided
403	No valid permissions.
404	No project found.
404	No organization found.
404	No agent found.

3.7. Projects Endpoints

The Projects endpoints should be used to perform project-related operations, providing a mechanism to manage configurations and files of client's projects.



❖ POST /api/v1/projects/upload_context_file

POST /api/v1/projects/upload_context_file

Description: Uploads a set of files that are further used by AI-based agents to get context of the working project.

Requires Authentication: Yes

Request Headers:

- x-api-key: Client's unique API key

Request Payload:

REQUEST BODY SCHEMA: application/json

project <small>required</small>	string The name of the client's project configured in xSapiens application. Files will be attached to the context of this project.
file	Array of any A list with files that should be attached to project's context

Returns:

Code	Description
200	Project context updated
400	Provided files are not supported.
401	No valid authentication provided
403	No valid permissions.
404	No project found.
404	No organization found.
404	The list of files was empty..



4. Frequently Asked Questions (FAQs)

We will continuously update this FAQ section with the most commonly asked questions and insights from our clients to better support your needs.

5. Support and Contact Information

For further assistance, please contact our support team:

- **Email:** support@example.com