

Connector & Integration Technical Specification

How the Magif MCP connector works, what each tool can do, and the current status of API and LMS integration.

• Last updated: Version 1.0 - 21 September 2026

Overview

Magif exposes a Model Context Protocol (MCP) connector so a customer can build and manage their own agents from an MCP client such as ChatGPT. This specification documents the connector exactly as implemented today, and the current status of broader API and LMS integration. Where a capability does not exist, it is stated as Not currently supported rather than omitted.

Legacy architecture note: LLM_ANONYMISER is no longer part of the current architecture. Core inference was moved to open-source models hosted on Scaleway in Europe.

Section A: ChatGPT / MCP connector

Endpoint



Path

/api/connector/mcp

Transport	Streamable HTTP, stateless, JSON-RPC 2.0
Protocol version	2025-06-18
Server identity	magify-connector, version 1.0.0
Methods	JSON-RPC methods: initialize, tools/list, tools/call, ping. The endpoint is client-agnostic and works with any MCP client.
Note	The base URL is the customer-facing Magif application host. An unauthenticated request returns 401 with a WWW-Authenticate header so the client can discover the OAuth configuration automatically.

Authentication

OAuth 2.1 with PKCE (S256 recommended). Clients are public (no client secret). The access token is a signed bearer token (JWT).

1. Register: the client performs dynamic client registration and receives a client_id. Public client, no secret.
2. Authorize: the user grants consent; Magif issues a short-lived, single-use authorization code (5 minutes) bound to the PKCE challenge.
3. Token: the client exchanges the code (with the PKCE verifier) for an access token and a refresh token.

Discovery: OAuth configuration is published at the standard discovery endpoints (/well-known/oauth-protected-resource and /well-known/oauth-authorization-server).

Token lifetimes: Access token lifetime is 90 days and the refresh token lifetime is 180 days by default (configurable). Access is isolated per connector account.

Scopes: One scope is defined and used: connector. There is no finer-grained scope model. Access control is enforced by per-account isolation (each token maps to a single account) and by paid-feature gating, not by scopes.

Tools

The connector exposes 19 tools. Read tools return information; write tools change the customer's own workspace. No tool can read end-user conversation transcripts, and no



tool can read information about other accounts. Three tools are advertised but not yet functional (marked below).

TOOL	CLASS	WH
whoami	Read	Rea cor ow id, age tok bal
link_my_account	Read	Ret acc linl em
pair_account	Write	Lin cor wo a M acc a p coc
magifai_instructions	Read	Ret ref tex dat acc acc
create_agent	Write (create)	Cre age an off aut
list_my_agents	Read	Lis cor ow wit cha



TOOL	CLASS	WHAT IT DOES
get_agent	Read	Retrieve the current configuration of the agent, including its name, description, steps, and knowledge.
set_agent_prompt	Write (modify)	Update the agent's internal prompt or instructions, which define its purpose and limitations.
set_agent_steps	Write (modify)	Reconfigure the sequence of steps or actions the agent performs to achieve its goals.
add_knowledge	Write (ingest knowledge)	Ingest new information into the agent's knowledge base, which can be text, code, or structured data.
set_agent_style	Write (modify)	Set the agent's output style, including the format, tone, and length of its responses.
set_agent_image	Write (modify)	Set the agent's profile picture or logo, which is used to identify it in the interface.



TOOL	CLASS	WH
generate_image	Write (modify)	Ge ima set age or Spe acc tok
create_offer	Write (create, pricing) - paid	Cre off its tok bu
update_offer	Write (modify, pricing, publish/unpublish) - paid	Cha bill typ act Act off acc sel de rer
delete_agent	Write (delete) - paid	Per del age off kno and
run_automated_test	Write - paid	Per Adv bur a n fur pla
generate_kb_from_web_research	Write (ingest) - paid	We int kno bas



TOOL	CLASS	WH
		Adv bur a n fur pla
get_analytics	Read (analytics) - paid	Us cor and Adv bur a n fur pla no ret

Capability summary

Create agents	Yes (create_agent).
Modify agents	Yes (set_agent_prompt, set_agent_steps, set_agent_style, set_agent_image, generate_image).
Publish / unpublish	Yes, indirectly. Activating an offer makes access sellable; deactivating it removes access (create_offer, update_offer).
Delete	Yes (delete_agent, paid). This permanently deletes the agent and its data.
Change pricing	Yes (create_offer, update_offer, paid): price, token budget, billing frequency and trial parameters.
Ingest knowledge	Yes (add_knowledge). generate_kb_from_web_research is advertised but not yet functional.
Access conversations	No. No connector tool reads end-user or client conversation content.
Access user information	Only the connector's own account (whoami, link_my_account). No lookup of other users or end users.



Access analytics

Not currently available. The `get_analytics` tool is advertised but returns no data yet.

Conversation data and payloads

What Magif receives

Magif receives only the tool name and the structured arguments the MCP client chooses to send, plus the caller's User-Agent. Magif does not receive the surrounding ChatGPT or other client conversation transcript.

What is stored

Each connector tool call is logged to an internal record (the `ConnectorToolCall` collection) for operational and support purposes. The record holds the tool name, the arguments (with secret-looking values redacted and a size cap), a short result summary, timing and account status.

Where

Primary database, in the European Union, alongside other platform records.

Retention

An automatic expiry for these tool-call logs is not currently configured in code. A defined retention window for connector tool-call logs is an open item (see the Trust Center confirmation list).

Who can access

Access to the stored tool-call records is restricted to Magif superadministrators, precisely because the arguments can contain personal data. No connector tool can read these records back.

Section B: API / LMS integration capability matrix

Current status of broader API and LMS integration. Where a capability does not exist it is stated explicitly.



ITEM	STATUS	NOTES
API reference availability	Partial	The MCP connector (Section A) is the current programmatic interface, with a documented tool catalogue. A separate general-purpose REST API reference is Not currently available.
Authentication	Available	OAuth 2.1 with PKCE and bearer tokens, for the MCP connector (Section A).
Rate limits	Partial	Pairing attempts are rate-limited and paid features are gated. Published per-tool rate limits are Not currently available.
User provisioning	Not currently supported	The connector provisions its own workspace account. Bulk or directory-based user provisioning (for example SCIM) is Not currently supported.
Roles and permissions	Not currently supported	Access is per-account isolation plus paid gating under a single connector scope. A fine-grained roles and permissions API is Not currently supported.
SSO	Not currently supported	
Learner-level data read / export	Not currently available	The connector cannot read end-user conversations, and the analytics tool is not yet functional. Learner-level export is Not currently available.
Conversation count (per learner)	Not currently available	
Conversation duration	Not currently available	
Agent / topic per learner	Not currently available	The connector exposes the customer's own agent configuration, not per-learner activity.



ITEM	STATUS	NOTES
Assessment / check result	Not currently available	
Webhooks	Not currently supported	
Polling	Not currently available	There is no learner-data polling endpoint.
Expected event latency	Not applicable	No event stream is exposed today.
Available event payloads	Not applicable	No event payloads are exposed today.
xAPI	Not currently supported	
LTI 1.3	Not currently supported	
Grade passback	Not currently supported	
Export formats	Not currently available	No structured learner-data export is offered today.
Audit logs	Partial	Connector tool calls are logged internally and are accessible to Magif superadministrators. A customer-facing audit-log export is Not currently available.
Moodle integration	Not currently supported	
Other LMS integration experience	Not applicable	There is no prior LMS integration deployment to report.

