

MCP SERVER

NO CODE

CLOUD HOSTED

Blackbaud MCP for AI Agents

Managing Nonprofit Fundraising and Education Records

Blackbaud connects your AI client directly to nonprofit fundraising and education data. You can manage donor records, track gifts, and handle student/faculty information without leaving your chat window. It lets you keep complex CRM databases current by calling out specific constituent updates or listing active academic sections.

A+ Quality Score 100/100

fundraising

constituent-management

donation-tracking

education-management

nonprofit-crm



The connectivity layer between AI and the world's software.



Vinkius sits between AI and every application. All communication passes through Vinkius Cloud via the Model Context Protocol (MCP) — with governance, observability, and security at every layer.

Your AI Connections Run Through Vinkius Cloud

The world's largest
managed MCP catalog

Vinkius is the connectivity layer where AI connects to the software your business already runs. We handle the hosting, the security, the credentials, the uptime — you get agents that actually do things.

We operate the world's largest managed MCP catalog. Major SaaS platforms, CRMs, databases, and cloud providers — running, monitored, production-ready. This MCP server is hosted and maintained by the Vinkius Cloud for AI Agents.

The agent doesn't manage credentials, doesn't manage uptime, doesn't manage security. Vinkius does.

— Architecture principle

Four Pillars of the Vinkius Runtime

01 — Security by design

Credentials stay encrypted at rest via AES-256. The AI agent never touches raw keys — they're injected into a sandboxed V8 isolate at runtime. Actions are logged, and connections have an emergency kill switch.

03 — Deterministic observability

Eight immutable metrics per endpoint: request volume, p95 latency, error rate, active connections, cost attribution. A live payload feed logs every tool call with mutation detection.

02 — Built on MCP Fusion

This MCP server was built with **MCP Fusion**, the open-source framework (Apache 2.0) that powers the entire Vinkius catalog. Schema-as-firewall strips undeclared fields, compiled PII redaction runs at zero overhead, and cryptographic lockfiles produce git-diffable audit trails.

04 — Autonomous operations

Servers are deployed, monitored, and patched autonomously. New capabilities and security patches ship weekly. Zero-downtime deployments ensure continuous availability across all managed MCP servers.

AES-256

Encryption at rest

Ed25519

PKI vault signatures

24h TTL

Ephemeral session keys

V8 Isolate

Sandboxed execution

One Token. Instant Access.

Every MCP server on Vinkius is accessed through a **Connection Token**. Tokens are generated in the cloud dashboard and produce a unique MCP endpoint URL. Paste this URL into any MCP-compatible client — no SDK required.

A single token can serve **multiple AI clients simultaneously**, or you can issue separate tokens per client for granular access control. Each token tracks its own request count, last activity timestamp, and can be individually enabled or revoked.

MCP ENDPOINT

`https://edge.vinkius.com/{token}/mcp`

Claude



Cursor



VS Code



Windsurf



Grok



Gemini

Security Is the Architecture

Security in Vinkius is not a feature — it's the foundation of the runtime. The gateway enforces multiple independent protection layers between AI agents and third-party APIs.

01 — Ed25519 PKI Vault

Every workspace has an Ed25519 Master Key. Session keys are generated ephemerally (24h TTL) and signed by the Master Key. Credentials never leave the vault boundary.

02 — V8 Isolate Sandboxing

Tool code runs inside isolated-vm V8 isolates with 64 MB memory caps and per-request timeouts. No filesystem access, no network access except through the SSRF-guarded fetch bridge.

03 — SSRF Guard

All outbound HTTP requests are DNS-resolved and validated before execution. Private IP ranges (10.x, 172.16-31.x, 192.168.x, AWS metadata 169.254.x) are blocked at the network layer.

05 — Cryptographic Audit Trail

Every request is signed into a SHA-256 hash chain with Ed25519 signatures. Events form a tamper-proof, SIEM-exportable forensic record.

04 — DLP & PII Redaction

A ResponseGuard pipeline intercepts every tool response. Configurable redaction patterns strip sensitive fields (emails, SSNs, card numbers) before data reaches the AI agent.

06 — Honeypot Trap System

Phantom credentials are injected into isolated environments. If a honeypot is used outside Vinkius infrastructure, the server is quarantined instantly.

Emergency Kill Switch

EU AI Act Art. 14(1)
Compliant

The kill switch is an **emergency halt** mechanism — not a simple toggle. When triggered, it executes three actions atomically:

01 — Server deactivated

The MCP server is immediately taken offline across the entire cluster.

02 — All tokens revoked

Every connection token is invalidated. Total lockout — reconnection blocked until new tokens are issued.

03 — WebSocket connections killed

Active connections terminated via Redis pubsub broadcast. Propagates to every runtime node in the cluster.

Full Visibility. Zero Guesswork.

The Vinkius cloud dashboard includes a full MCP Governance suite — real-time analytics and security controls for production AI operations.

Control Plane

KPI dashboard with request volume, latency, success rate, token consumption, and AI-generated operational briefings.

FinOps

Cost tracking per tool, payload compression savings, budget optimization signals, and consumption trends.

Firewall & DLP

PII redaction activity, sensitive data protection counters, and security event timeline.

Agent Activity

Which AI clients are connecting, how often, and what they're doing — real-time session tracking.

Tool Health

Slowest and most error-prone tools, with actionable root-cause insights and performance baselines.

Incident Log

Error trends, failure rates, status-code breakdowns, and forensic audit trail access.

Get started at cloud.vinkius.com — connect your AI agent in under 60 seconds.

Blackbaud MCP

7 tools available

Cloud-hosted on Vinkius

Need to work with Blackbaud data from your AI agent? This MCP handles both nonprofit fundraising and educational management through natural conversation. You can use it to build a complete picture of your community—from tracking gifts to managing student enrollment.

If you're used to jumping between complex CRM dashboards, this changes that. Instead of clicking through multiple tabs just to check a donor's history or updating a faculty member's status, you simply ask your agent. It accesses the records and gives you the answer immediately. You can also create brand new constituent profiles or log donations instantly. Because it manages both donor data and academic user lists, it's one place for nonprofit leaders and school administrators to get their hands dirty. Connecting this MCP via Vinkius puts the whole Blackbaud catalog right where your AI client is—in chat.

Core Capabilities

01 — Create a new donor or constituent record

The agent adds a completely new person's profile to the database.

03 — Update existing records

Correcting addresses or updating donor roles is fast; you just tell your agent what needs changing.

02 — Record donations and gift history

You can log a donation immediately, or pull up all the details for previous gifts made by a constituent.

04 — List school users and sections

The MCP retrieves comprehensive lists of all students, faculty members, and active academic groupings.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/blackbaud — connect your AI agent in three steps.

- 01** First, subscribe to this Blackbaud MCP on Vinkius. You'll need your Blackbaud Access Token and Subscription Key.
- 02** Next, connect the MCP to your preferred AI client (Claude, Cursor, etc.).
- 03** You can then ask your agent questions or give commands—like 'Get me all student users in Fall 2024,'—and it handles the rest.

The bottom line is you talk to your agent about Blackbaud data, and it runs the necessary background calls to get you accurate results.

Built For

This MCP is essential for nonprofit managers and school staff who spend too much time navigating outdated or complex internal CRMs. If your job involves tracking money *or* managing student directories, this makes your life easier.

Development Officer

You use this to quickly get the full history on a donor when you meet them in person, or log a small gift right after a board meeting.

School Administrator

You pull up lists of current faculty members and specific academic sections so you can verify enrollment details without logging into three different portals.

What Changes When You Connect

- 01** Stop clicking through donor history. You can use `get_constituent` to pull up a person's entire record, including their full gift history, in one chat interaction.

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- 02** Logging donations is instant. Instead of navigating the complex CRM screens, you just ask your agent to `create_gift`, and it handles the rest.
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- 03** Keep data clean by using `update_constituent` directly from your chat window when a donor changes their address or role.
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- 04** Need an overview of who's enrolled? You can use `list_school_users` to pull comprehensive lists of all students and faculty without needing admin access to the main portal.
-
- 05** It simplifies academic oversight. Running reports on active classes is simple; just ask your agent to `list_academic_sections` for a list of current groupings.
-

Real-World Applications

Checking donor status before a call

A Development Officer has a meeting with an alumnus. Instead of logging into the CRM and searching, they ask their agent to `get_constituent` using the alumnus's name. The agent pulls up key donation dates and amounts instantly, allowing the officer to reference specific past support during conversation.

Verifying student rosters

The School Administrator needs a quick count of who is enrolled in a specific class. They ask the agent to `list_academic_sections`, which provides a list of active sections and helps them confirm if the required classes are running.

Handling immediate donations

A board meeting finishes, and several people hand over checks. Instead of manually entering each gift into the system, the Development Officer directs their agent to `create_gift` with the amounts and donor names, logging the funding right away.

Correcting outdated data

A constituent moves, but the mailing address is wrong in Blackbaud. Instead of filing a ticket to IT, the Development Officer simply asks the agent to `update_constituent` with the new details, ensuring future mailings are accurate.

Patterns to Avoid

Trying to guess donor IDs

X AVOID

A user tries to manually search for a constituent using only vague keywords like 'John' or 'Smith,' resulting in dozens of potential matches and wasted time.

✓ INSTEAD

Don't rely on guessing. Use the agent, which can run ``get_constituent`` based on specific identifying information you provide. This narrows down the list immediately so you get the right record.

Manually entering every gift

X AVOID

A team fundraiser collects 20 checks and spends an hour trying to enter each one into the Blackbaud system, risking human error.

✓ INSTEAD

Instead, have your agent run ``create_gift`` for all donations in a batch. You give it the list of donors and amounts, and it handles the recording efficiently.

Ignoring educational data

X AVOID

A user needs to know which sections are currently active but only looks at the main school portal dashboard, missing newly created or archived classes.

✓ INSTEAD

Always ask your agent to ``list_academic_sections``. This gives you a real-time list of available academic groupings within Blackbaud.

The Right Fit

Use this MCP if your daily work requires cross-referencing data between fundraising records (donors, gifts) and educational user lists (students, faculty). You need an integrated view of people's activity. Don't use it if you only need to read a static report; the agent is for *action*. If your goal is simply bulk exporting all constituent names into a spreadsheet, stick with Blackbaud's native reporting tools. But if the task involves creating records (`create_constituent`) or changing them on the fly, this MCP handles it better than anything else.

Managing Nonprofit Fundraising Data with Blackbaud and AI Agents

Right now, keeping donor data accurate is a pain. You spend time logging into Blackbaud, hunting through tabs to find if a constituent's address changed or if they gave money last quarter. Then, you have to jump back out to email and manually copy-paste the gift details into your meeting notes—it's clicking fatigue.

With this MCP, that whole process shrinks down to chat. You ask your agent for a donor's history, and it pulls up everything. Need to log an immediate contribution? Just tell the agent to `create_gift`, and you get confirmation instantly. It makes accurate record-keeping part of the conversation.

Blackbaud MCP: Streamlining Student Records Management for Administrators

Before connecting this, verifying who is in a class or checking if an employee's role was updated meant logging into multiple separate systems. You'd have to check the student roster, then confirm the section details, and finally verify the user status—a serious time sink.

Now, you can ask your agent for specific lists like all current users via `list_school_users` or confirm which academic sections are active using `list_academic_sections`. The outcome is a single, verified answer right in front of you. It saves hours every month.

7 Blackbaud Tools for Nonprofit CRM and Education Management

These tools let you create, read, update, and delete critical records like donors, students, and academic sections directly through your AI chat client.

#	TOOL	DESCRIPTION
01	<code>create_constituent</code>	This tool creates a brand new profile for a donor or non-profit contact.
02	<code>create_gift</code>	It records a donation and attaches it to an existing constituent's record.
03	<code>get_constituent</code>	You use this to pull up all the details for a specific person or organization in the database.
04	<code>get_gift</code>	This fetches detailed information about a single donation record.
05	<code>list_academic_sections</code>	It retrieves current groupings of students and classes, like 'Section A' or 'Intro to Biology'.
06	<code>list_school_users</code>	This lists all active user accounts within the education management system (students and faculty).
07	<code>update_constituent</code>	You change existing details on a constituent's profile, such as their address or phone number.

See It in Action

Real prompts you can use once this MCP is connected to your AI agent through Vinkius Cloud.

U What's the current address for donor ID 9876? Also, what was their last gift amount?



Constituent Details: John Doe

- **Type:** Individual Donor
- **Status:** Active
- **Address:** 45 Riverbend Way, Seattle, WA 98101

Last Gift Recorded:

- **Amount:** \$750.00
- **Date:** 2023-09-01
- **Purpose:** Annual Fund

U I need to list all the faculty members and also see what academic sections are available for next semester.



Here's a breakdown of your requested Blackbaud data:

Active Academic Sections:

- Advanced Mathematics - Section A (Fall 2024)
- Intro to Biology (Spring 2025)
- History Seminar (Fall 2024)

School Users List (Faculty):

1. Dr. Evelyn Reed (Dept: Science)
2. Mr. Kevin Chen (Dept: Humanities)
3. Ms. Maria Lopez (Dept: Math)

U Please record a \$50 gift from Jane Smith for the scholarship fund, dated today.



Gift Recorded Successfully.

A donation of \$50.00 was added to Jane Smith's profile on 2024-10-27.

- **Associated Constituent:** Jane Smith (ID: 6543)
- **Fund:** Scholarship Fund

Please let me know if you need to log any other gifts.

Frequently Asked Questions

01 How can I use the Blackbaud MCP for AI Agents to track donor history?

You can instantly pull up a constituent's full record and their entire gift history right in your chat. This saves you from navigating complex CRM menus and lets you reference past support details immediately.

02 Is the Blackbaud MCP good for managing student directories?

Yes, it works well for that. You can request comprehensive lists of all school users—including both students and faculty—in one command, which is useful for audits or departmental planning.

03 What if I need to update a donor's address using Blackbaud MCP?

You just tell your agent what needs changing. It runs the update function on the backend and confirms that the constituent's details, like their mailing address or phone number, are current in Blackbaud.

04 Does the Blackbaud MCP help me record donations quickly?

Absolutely. You can have your agent run a gift creation command with the donor name and amount. It logs the donation instantly, giving you proof of recording without any manual data entry.

05 Does the Blackbaud MCP cover both nonprofit and education needs?

Yes. It's designed to handle two major areas: managing financial support (donations/constituents) and handling academic records (users, sections). You get a unified view for your organization.

06 Can I use the Blackbaud MCP if my role is Development Officer?







Yes. As a Development Officer, you can leverage this to check donor history and record new gifts on the fly during outreach or meetings, making your field work much more efficient.

Go Live in 60 Seconds

Get your connection token from cloud.vinkius.com, then paste the endpoint URL into any MCP-compatible client.

YOUR MCP ENDPOINT

```
https://edge.vinkius.com/[TOKEN]/mcp
```

CLIENT	WHERE TO CONFIGURE
 Claude AI	Profile → Customize → Connectors → "+" → Add custom connector → Paste endpoint
 Cursor	Settings → Features → MCP Servers → "+ Add New MCP Server" → Type: SSE → Paste endpoint
 VS Code	Ctrl/Cmd+Shift+P → "MCP: Add Server" → add <code>"blackbaud": { "url": "..." }</code>
 Windsurf	MCP Settings → <code>mcp_settings.json</code> → Add endpoint URL
 ChatGPT	Settings → Tools & plugins → Add MCP server → Paste endpoint
 Gemini	Extensions → Add MCP Server → Paste endpoint URL

ASK AN AI ABOUT THIS

Let your preferred AI explain this MCP server

-  **Ask ChatGPT** 
-  **Ask Claude** 
-  **Ask Perplexity** 
-  **Ask Gemini** 
-  **Ask Grok** 

READY TO CONNECT

Blackbaud is live on Vinkius Cloud.

Get your connection token, paste it into your AI agent, and start building. No SDK. No deployment. Just results.

[Start at cloud.vinkius.com](https://cloud.vinkius.com) →

vinkius.com · support@vinkius.com

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