MCP SERVER | NO CODE | CLOUD HOSTED

Braintree MCP for AI Agents

Manage global payment authorizations and customer billing profiles

Braintree connects your Braintree payment gateway account to any AI client. You can search recent transactions and retrieve detailed metadata for specific payments. Use this MCP to charge new methods, capture authorized funds, void pending charges, or issue full/partial refunds directly from conversation.

F Quality Score 3.6/100

global-payments | transaction-management | checkout-experience | refund-processing | payment-gateway | financial-api

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vinkius.com/mcp/braintree

SCAN TO VIEW

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.

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.

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.

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	Ed25519	24h TTL	V8 Isolate
Encryption at rest	PKI vault signatures	Ephemeral session keys	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.

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.

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.

06 — Honeytoken Trap System

Phantom credentials are injected into isolated environments. If a honeytoken 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.

Agent Activity

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

FinOps

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

Tool Health

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

Firewall & DLP

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

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.

Braintree MCP

8 tools available
Cloud-hosted on Vinkius

Manage your global checkout flows without ever logging into a dashboard. This connection lets your agent talk to Braintree, giving you control over every stage of the payment lifecycle using natural language. You can search for customer profiles by email and get their billing details instantly. Need to fix an error? Your agent handles it: find transactions, void pending authorizations, or issue a refund—all in one conversation.

When multiple systems are involved, you don't have to juggle them. Vinkius hosts this Braintree MCP alongside thousands of others, so your AI client has everything it needs for comprehensive financial operations. It’s about getting the payment details and customer data flowing directly into your workflow when you need it most.

Core Capabilities

01 — Search and List Transactions

Retrieves a list of recent payments or fetches detailed records for any specific transaction ID.

02 — Look Up Customer Profiles

Searches your customer vault by email address to retrieve saved billing information and payment methods.

03 — Initiate Charges

Charges a specified payment method, handling everything from initial authorization to final capture of funds.

04 — Refund Payments

Processes refunds for settled transactions, allowing you to specify whether the refund should be partial or full.

05 — Void Transactions

Cancels pending authorizations before they settle, returning funds back to your available balance.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to this MCP and provide your Braintree credentials (Public Key, Private Key, and Environment).

02 Your agent receives the necessary connection details and can now communicate directly with the payment gateway.

03 You simply tell your AI client what you need—for example, 'Find John Doe's profile and charge $50 to his card.'—and the MCP handles the rest.

The bottom line is that it turns complex financial API calls into simple conversation prompts for your agent.

Built For

This is essential for anyone whose job involves handling money: e-commerce operations, billing departments, and finance teams. If you spend time manually checking transaction status or processing refunds across multiple platforms, this MCP saves hours every week.

E-Commerce Operations Manager

Uses the MCP to monitor daily sales by searching transactions and immediately initiating partial refunds when a product is damaged.

Billing Administrator

Retrieves customer profiles using email addresses and charges new payment methods for subscription renewals without logging into any banking portal.

Financial Analyst

Searches large volumes of historical transactions to audit specific dates or amounts, helping reconcile accounts quickly.

What Changes When You Connect

01 Stop jumping between dashboards. You can find transaction details or void pending payments instantly, all through a single chat conversation.

02 Handle complex refunds with precision. The ability to issue partial refunds for specific transactions means you never over-refund money again.

03 Keep customer data fresh and secure. Use the MCP's search functions to pull billing profiles by email without needing access credentials.

04 Control the full payment lifecycle: from charging a new method to capturing funds, your agent manages it all in sequence.

05 Audit quickly. If you need to verify if a specific transaction happened last week, use the search tools instead of manually filtering reports.

Real-World Applications

A customer claims they were double-charged for a subscription renewal.

The agent searches transactions by date and finds two charges. Using `get_transaction` on the duplicate ID, the agent then immediately uses `refund_transaction` to issue the refund, confirming the action in minutes.

Your team needs to process a large batch of refunds after a system outage.

Instead of manually logging into the payment portal for dozens of IDs, the agent uses `search_transactions` to build a list and then executes multiple `refund_transaction` calls, providing an audit log instantly.

A new client signs up but needs us to charge them immediately.

The agent first runs `search_customers` by the provided email. It retrieves the profile and then uses `charge_payment_method` to process the initial payment, validating their details upfront.

A sale was authorized but canceled before fulfillment.

The agent locates the specific transaction via `get_transaction`. Knowing it's pending, it uses `void_transaction` to release the hold on funds, ensuring the customer isn't charged later.

Patterns to Avoid

Treating refunds as simple reversals.

✗ AVOID

Assuming that if you just want money back, you can run a general 'reverse charge.' This fails because payments must go through the specific refund process with accurate transaction IDs.

✓ INSTEAD

Always use `refund_transaction` and provide the exact ID of the settled payment. You may also need to confirm which funds are available for reversal.

Forgetting to verify customer details first.

✗ AVOID

Attempting to charge a new card without confirming if that customer already exists or what their preferred billing name is, leading to failed charges and bad data.

✓ INSTEAD

Always start by using `search_customers` with the user's email. This validates the account status and retrieves saved payment methods before attempting any charges.

Handling authorizations manually.

✗ AVOID

Leaving an authorized transaction open when fulfillment fails, which leaves funds held up on the customer's card until the hold expires days or weeks later.

✓ INSTEAD

If a sale is canceled before shipping, immediately use `void_transaction` to release the authorization and prevent unnecessary holds.

The Right Fit

Use this MCP if your core business process relies on managing money: processing charges, issuing refunds, or auditing transaction history. It's non-negotiable for e-commerce billing systems.

Don't use it if you only need to view generic payment reports. For simple reporting that doesn't require action (like just listing all transactions), a dedicated data warehouse tool is better. If your task requires complex business logic—for instance, checking inventory *before* charging a card—you need an orchestration layer like CrewAI to combine the Braintree MCP with other systems.

Braintree MCP for AI Agents: Managing Payment Authorizations and Charges

Today, processing payments means jumping through hoops. You log into your payment dashboard, find the customer's ID, verify if they are active, then manually initiate a charge or refund, often involving copy-pasting transaction IDs between three different tabs.

With this MCP, all those clicks disappear. Your agent handles it by connecting directly to Braintree's core functions. You simply ask your AI client to 'Charge the card on file for John Doe $99,' and you get confirmation that the charge was successfully processed.

Braintree MCP for AI Agents: Auditing Customer Billing Profiles

The manual process of retrieving customer data involves multiple calls—first searching by email, then navigating to the billing section, and finally pulling down the payment method details. This is slow and prone to human error.

Now, your agent can search for any customer using `search_customers` and instantly retrieve their full profile and saved payments in one step. You get clean data right when you need it.

8 Tools for Braintree Payment Operations and Transaction Management

Use these tools to charge methods, retrieve customer records, find specific transaction details, or issue immediate refunds through your agent.

#	TOOL	DESCRIPTION
01	`capture_transaction`	Finalizes an authorized payment by capturing the funds from the customer's method.
02	`charge_payment_method`	Charges a specific payment card or method for immediate use.
03	`get_customer`	Fetches detailed information about an existing customer, including their saved billing details.
04	`get_transaction`	Retrieves all metadata and status details for a single, specific transaction.
05	`refund_transaction`	Sends money back to the customer for any previously settled charge, optionally specifying how much to refund.
06	`search_customers`	Finds multiple customers within your vault using general search criteria like name or email.
07	`search_transactions`	Searches through a range of recent payments to locate specific activity by date or amount.
08	`void_transaction`	Cancels an authorized transaction that hasn't settled yet, releasing the hold on funds.

See It in Action

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

U I need to process a refund of $15 from transaction ID T9083B.

Refund Confirmation

The refund for transaction `T9083B` has been successfully initiated.

- **Amount:** $15.00
- **Status:** SUBMITTED_FOR_SETTLEMENT
- **Reference ID:** REF-7742A
- **Expected Settlement:** 2-3 business days.

Please note: This refund will reflect on the customer's statement within standard banking timeframes.

U Show me all transactions over $50 from last week.

Recent High-Value Transactions

DATE	TRANSACTION ID	AMOUNT	STATUS
2024-06-10	TX_A3B9	$58.99	SETTLED
2024-06-11	TX_C1D2	$120.00	AUTHORIZED

Action needed: The transaction on 6/11 is currently authorized; do you want me to capture those funds now?

U What's the billing profile for jane@corp.com?

Customer Profile Found

- **Name:** Jane Smith
- **Vault ID:** 554321
- **Status:** Active
- **Last Payment Method:** Visa ending in 4321 (Valid until 10/26)

The profile is active and ready for new charges.

Frequently Asked Questions

01 **How does the Braintree MCP help me with recurring payments?**

It helps by allowing you to retrieve stored customer billing profiles using their email. This means your agent can initiate a charge for renewals without needing new card details every month.

02 **Can I use Braintree MCP to check if an authorization went through?**

Yes, the MCP lets you fetch detailed transaction metadata. You'll see the current status (e.g., AUTHORIZED or SETTLED) and know exactly what action is needed next.

03 **Does Braintree MCP handle refunds for failed payments?**

This MCP handles refunds for *settled* payments, meaning those funds already left the customer. If a payment fails entirely, you'll need to address the root cause on your end.

04 **How do I start using Braintree MCP with my existing tools?**

You connect by subscribing to the MCP and providing your three core credentials (Public Key, Private Key, and Environment). Once connected through Vinkius, your agent can access all payment functions.

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 `"braintree": { "url": "…" }`
Windsurf	MCP Settings → `mcp_settings.json` → 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

Braintree 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 →

vinkius.com · support@vinkius.com

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