

MCP SERVER

NO CODE

CLOUD HOSTED

U.S. Treasury Full MCP

Access the full financial picture of U.S. debt and budgets.

U.S. Treasury Full — Complete Fiscal & Debt Intelligence provides immediate access to core U.S. federal financial data. Get daily national debt figures, analyze budget deficits and surpluses, check current cash balances, and track official foreign exchange rates—all without needing API keys or complex setup. It's the definitive feed on how the U.S. government finances itself.

A+ Quality Score 100/100

fiscal-data

national-debt

federal-budget

exchange-rates

economic-reporting

public-finance



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.

U.S. Treasury Full — Complete Fiscal & Debt Intelligence MCP

13 tools available
Cloud-hosted on Vinkius

This MCP gives you a direct line to the financial pulse of the U.S. government. You can pull detailed data on national debt, tracking everything from total public outstanding debt to specific breakdowns like intragovernmental holdings. Need to know if the budget is running a deficit or surplus? This tool provides year-to-date figures for both revenue and spending. It also keeps tabs on the Treasury's daily cash balance and how much money they have on hand. Furthermore, you can analyze global finance by pulling official exchange rates for over 170 currencies against the dollar. Whether you're checking historical debt trends or need today's operational outlays, this entire catalog of data is available through Vinkius, connecting directly to the U.S. Department of the Treasury.

Core Capabilities

01 — Track national financial obligations

Get the current total public outstanding debt and track its historical growth over specific dates.

03 — Model foreign exchange fluctuations

Retrieve official Treasury exchange rates for specific countries or view historical rate changes across multiple currencies.

02 — Analyze federal budget performance

Determine if the U.S. government is running a deficit or surplus by comparing spending, revenue, and internal cash balances.

04 — View daily financial transactions

See the day-by-day mechanics of U.S. public debt, showing both issuance and redemptions.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/us-treasury-full-complete-fiscal-debt-intelligence — connect your AI agent in three steps.

- 01** Specify what financial data you need—for example, 'the total national debt for 2010' or 'revenue for the last quarter'.
- 02** Your AI client uses this MCP to query the specific Treasury dataset that holds that information.
- 03** You receive clean, structured data showing the requested figures (like cash balances or deficits) directly in your chat window.

The bottom line is you get authoritative financial metrics from the source without having to write complex API calls yourself.

Built For

This MCP is for economic analysts, government finance professionals, and quantitative researchers who need accurate, deep-dive data on U.S. fiscal health. It's perfect for the financial modeler tired of scraping multiple government websites or the policy analyst needing real-time debt figures for a presentation.

Economic Analyst

Compares federal revenue and spending month over month to pinpoint budget discrepancies or trends.

Financial Researcher

Tracks national debt growth, comparing total public outstanding debt versus historical rates for investment thesis building.

Policy Advisor

Checks the daily cash balance and deficit/surplus status to advise on immediate governmental financial capacity.

What Changes When You Connect

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- 01 You stop relying on generalized economic reports. With this MCP, you pull direct figures for things like national debt using `get_national_debt`, giving your analysis verifiable numbers right now.

 - 02 Comparing annual spending versus revenue is simple. You use the `get_federal_spending` and `get_federal_revenue` tools to see month-to-month outlays, making budget tracking instant.

 - 03 Forget manually checking cash balances across different government sites. The `get_daily_cash_balance` tool gives you the single, current operational bank statement for the U.S. Treasury.

 - 04 Analyzing global finance is straightforward. Instead of searching through scattered rate tables, use `get_treasury_exchange_rates` to get official data for 170+ currencies in one query.

 - 05 You can map out debt evolution over decades. The `get_debt_history` tool lets you track national debt growth across specific timeframes like election cycles or economic crises.
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Real-World Applications

Determining budget stability after a major spending bill

A policy advisor needs to know the immediate impact of new legislation. They ask their agent for a summary using `get_deficit_surplus`, then follow up by checking `get_daily_cash_balance` to see if the Treasury has enough liquid funds right now.

Comparing market demand against historical debt levels

A financial researcher wants to prove that investor confidence is strong. They use `get_treasury_auctions` for recent bid-to-cover ratios and then run `get_national_debt` alongside it to show the scale of the required borrowing.

Tracking currency shifts for international trade models

A supply chain manager needs to model costs involving European partners. They use ``get_exchange_rate_for_currency`` (e.g., 'Euro') to get historical rates, then integrate that data into a spending forecast.

Performing an end-to-end fiscal status report

An economic analyst wants one comprehensive view. They ask for the current debt (``get_national_debt``), the latest budget deficit (``get_deficit_surplus``), and recent federal spending figures using ``get_federal_spending``.

Patterns to Avoid

Assuming all financial data is in one place

X AVOID

Trying to get revenue, debt history, and cash balance by running three separate generic searches that don't link the data together.

✓ INSTEAD

You need specific tools. Use ``get_federal_revenue`` for receipts, then use ``get_national_debt`` for outstanding obligations, followed by ``get_daily_cash_balance`` to tie it all together.

Only checking the most recent data

X AVOID

Looking at today's cash balance and thinking that's enough context without knowing how debt has changed over a decade.

✓ INSTEAD

Always check the timeline. Use ``get_debt_history`` to graph trends, then use ``get_public_debt_breakdown`` to understand *who* holds that debt.

Misunderstanding exchange rate scope

X AVOID

Asking for a simple conversion without specifying if you need the official Treasury rate or just a general market quote.

✓ INSTEAD

You must use ``get_treasury_exchange_rates`` to ensure your model uses the exact, government-reported figures.

The Right Fit

Use this MCP if your work requires hard, verifiable financial metrics sourced directly from U.S. Treasury departments—think macroeconomics, policy advising, or large-scale financial modeling. You need to know *why* the debt is changing (using `get_daily_debt_transactions`) and what the official budget picture is (`get_deficit_surplus`). Don't use this if you just need a general overview of global market sentiment; for that, a commercial commodity data source might be better. Also, don't try to use it to

track private company finances—it only covers federal government activity.

Financial reporting used to feel like an archaeological dig.

Before this MCP, pulling a complete picture of the U.S. fiscal status meant navigating multiple bureaucratic websites: checking the Treasury site for cash flow, going to the Congressional Budget Office for spending details, and then finding separate links for debt totals. It was slow, required dozens of manual clicks, and always felt incomplete.

Now, you ask your AI agent once. The agent handles the complexity, pulling together data from `get_national_debt`, `get_federal_spending`, and `get_daily_cash_balance` into one cohesive report. You get answers, not links to more dashboards.

U.S. Treasury Full — Complete Fiscal & Debt Intelligence MCP

You eliminate the need for manual data aggregation across different government portals and filing cabinets. You no longer have to copy-paste numbers from an old PDF into a spreadsheet just to calculate the deficit.

This capability doesn't just speed up reporting; it changes what you can analyze, allowing your agent to build sophisticated models using tools like `get_avg_interest_rates` and `query_treasury_dataset` instantly.

U.S. Treasury Full — Complete Fiscal & Debt Intelligence (13 Tools)

Use these 13 tools to access detailed federal data points on national debt, budget accounts, daily cash flows, and global exchange rates.

#	TOOL	DESCRIPTION
01	<code>get_federal_revenue</code>	Retrieves current month and fiscal-year-to-date totals for federal government tax receipts by source, compared to the previous year.
02	<code>get_federal_spending</code>	Gets total federal spending by department and agency, showing current month gross outlays versus prior year figures.
03	<code>get_deficit_surplus</code>	Calculates the U.S. federal budget deficit or surplus using fiscal year-to-date accounting data (October 1 through September 30).
04	<code>get_daily_cash_balance</code>	Provides the daily operating cash balance of the U.S. Treasury, showing how much liquid cash is currently available.
05	<code>get_daily_debt_transactions</code>	Shows day-by-day public debt transactions, detailing amounts for both new issuances and redemptions month-to-date or year-to-date.
06	<code>get_national_debt</code>	Pulls the total U.S. national debt (Total Public Debt Outstanding) to the penny, breaking it down into public and intragovernmental holdings.
07	<code>get_debt_history</code>	Provides historical national debt figures for a specific date range you define, useful for tracking economic cycles.
08	<code>get_public_debt_breakdown</code>	Generates the Statement of Public Debt, separating and detailing holdings by both public investors and internal government trust funds.
09	<code>get_avg_interest_rates</code>	Returns average interest rates on U.S. Treasury securities, indicating the cost of borrowing for the federal government.
10	<code>get_treasury_auctions</code>	Gathers results from recent Treasury securities auctions (Bills, Notes, Bonds) and assesses investor demand via the bid-to-cover ratio.
11	<code>get_treasury_exchange_rates</code>	Gets official quarterly exchange rates for over 170 currencies against the U.S. dollar, used for government reporting.

#	TOOL	DESCRIPTION
12	<code>get_exchange_rate_for_currency</code>	Retrieves historical Treasury exchange rate data for a specific currency like the Euro or British Pound.
13	<code>query_treasury_dataset</code>	Allows you to query any specified fiscal dataset endpoint path on treasury.gov, providing maximum flexibility in analysis.

See It in Action

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

- U** Give me a complete summary of the U.S. fiscal state: current debt, latest deficit, and cash balance.



U.S. Treasury: Fiscal State Overview

- National Debt: \$34,812,456,789.12
- Fiscal Year Deficit to Date: \$845,000,000,000
- Current Treasury Cash Balance: \$825,443,000,000

- U** Extract federal spending vs federal revenue for the last 6 months



U.S. Federal Revenues vs. Outlays (6 Months)

- Mar 2026: Revenue \$354B | Outlays \$492B | Deficit \$138B
- Feb 2026: Revenue \$271B | Outlays \$567B | Deficit \$296B
- Jan 2026: Revenue \$477B | Outlays \$455B | Surplus \$22B

- U** Show historic exchange rates for USD → GBP to analyze currency fluctuations



Historical Rates: UK (Pound Sterling)

- Mar 2026: 0.79 GBP per 1 USD
- Dec 2025: 0.78 GBP per 1 USD
- Sep 2025: 0.82 GBP per 1 USD

Frequently Asked Questions

01 How often is the national debt updated with U.S. Treasury Full — Complete Fiscal & Debt Intelligence?

The national debt figures are updated daily by the Treasury Department. This MCP ensures you get the most current total public outstanding debt available.

02 Can I compare spending and revenue over multiple years using U.S. Treasury Full — Complete Fiscal & Debt Intelligence?

Yes, you can analyze historical trends by running ``get_federal_revenue`` and ``get_federal_spending`` for different fiscal periods to spot growth patterns.

03 What kind of currencies does U.S. Treasury Full — Complete Fiscal & Debt Intelligence cover?

It covers official exchange rates for over 170 currencies against the U.S. dollar, ensuring you use government-reported figures.

04 Is this MCP only for macroeconomics? Can I get specific debt details?

No, it's detailed enough for granular analysis. You can run ``get_public_debt_breakdown`` to see exactly how the total public debt is structured.

05 How do I check historical rates using U.S. Treasury Full — Complete Fiscal & Debt Intelligence?







Use ``get_exchange_rate_for_currency``, providing the specific currency and date range, to track how a rate changed over time.

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](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>"us-treasury-full-complete-fiscal-debt-intelligence": { "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

U.S. Treasury Full — Complete Fiscal & Debt Intelligence 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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