MCP SERVER | NO CODE | CLOUD HOSTED

Bureau of Labor Statistics Full MCP for AI Agents

Analyze US labor market trends and deep economic data

Bureau of Labor Statistics Full gives your AI agent immediate, comprehensive access to six major US economic datasets. Query inflation tracking (CPI), nonfarm payrolls, local unemployment rates (LAUS), wage data by profession (OEWS), and job turnover metrics (JOLTS) all from one connection.

F Quality Score 3.6/100

economic-data | inflation-tracking | labor-statistics | wage-data | macro-economics | public-api

MAINTAINED BY VINKIUS CLOUD FOR AI AGENTS · JUNE 2026
vinkius.com/mcp/bureau-of-labor-statistics-full-the-mega-server-1

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.

Bureau of Labor Statistics Full — The Mega Server MCP

1 tools available
Cloud-hosted on Vinkius

Running a full macroeconomic analysis used to mean stitching together dozens of disparate API calls, cross-referencing different government dashboards, and spending half a day just gathering the raw numbers. This MCP changes that. It gives your agent direct access to the entire American labor market picture—from national inflation trends down to specific wages in local areas.

Instead of treating each dataset (CPI, JOLTS, LAUS, OEWS) like an isolated spreadsheet, you can ask for a holistic view. For example, asking the model not just 'What was last month's unemployment?' but 'How did wage growth by profession change in tech hubs compared to national average inflation over the last five years?' The power of Vinkius is that all these metrics live together here, meaning your agent can run complex comparative models instantly. You get deep time-series data on jobs, wages, and pricing without leaving your chat window.

Core Capabilities

01 — Run comprehensive economic queries

Query historical trends across multiple major datasets like CPI, Nonfarm payrolls, and local unemployment rates.

02 — Analyze wage shifts by location

Cross-reference specific occupational wages (OEWS) with job opening data (JOLTS) for precise regional compensation analysis.

03 — Track local area labor metrics

Compare state and county unemployment levels using the Local Area Unemployment Statistics (LAUS).

04 — Model inflation and pricing history

Access historical Consumer Price Index (CPI) data and other major price indices for tracking inflationary pressures.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/mcp/bureau-of-labor-statistics-full-the-mega-server-1** — connect your AI agent in three steps.

01 Sign up for a free BLS Developer API Key, which provides the necessary access credentials.

02 Configure your AI client to use this MCP connection, authenticating the agent with your unique key.

03 Ask your agent a specific question that requires multiple economic datasets (e.g., 'Compare wage growth in California vs Texas using LAUS and OEWS').

The bottom line is you get to run complex macro-economic reports just by asking a natural language query, pulling data from six major government sources at once.

Built For

This MCP is built for serious analysis. If your job requires understanding the full economic picture—from national jobs numbers to local wage shifts and inflation rates over decades—you need this. It's mandatory for finance, research, or high-level operational planning.

Hedge Fund Analyst

Modeling the full economic picture by cross-referencing JOLTS job turnover rates against CPI inflation trends to predict market shifts.

Economic Researcher

Processing decades of historical labor force data, comparing national unemployment figures with specific county-level metrics using LAUS and OEWS.

Corporate Strategy Planner

Assessing regional expansion risks by comparing local wage costs (OEWS) against state-specific job growth rates in new target markets.

What Changes When You Connect

01 You gain instant access to six core datasets, letting your agent analyze everything from inflation (CPI) to local job availability (LAUS). No more jumping between multiple government websites.

02 The ability to cross-reference high-level metrics with granular detail is huge. For instance, you can compare national nonfarm payrolls against hyper-specific wages per profession using OEWS.

03 You don't just get a single number; you get time series data covering decades of economic history. This lets your agent build trend lines and spot cyclical patterns instantly.

04 The tool helps with cross-regional comparisons, like comparing unemployment rates in Texas versus California down to the exact point using LAUS metrics.

05 It handles job turnover analysis (JOLTS) alongside salary data, letting you see if high quitting rates translate into higher compensation demands.

Real-World Applications

Determining Tech Sector Demand vs. Compensation

Instead of manually finding open roles in a specific industry and then checking the average salary, ask your agent to cross-reference job openings (JOLTS) with median wage data (OEWS). You immediately get both the volume of demand and the current compensation level for that sector.

Comparing State Economic Health

You need to know which region is more stable. Ask your agent to compare local unemployment rates between two states (e.g., TX vs CA) using LAUS metrics, giving you a clear snapshot of labor absorption strength.

Modeling the Total Economic Picture

You need an executive summary that combines inflation, job creation, and unemployment rate for last month. You prompt your agent with all three core concepts to get one combined 'Macroeconomic Indicator Suite' report.

Patterns to Avoid

Focusing only on the headline number

✗ AVOID

Just querying CPI-U for last month's inflation rate and stopping there. This gives you a single percentage point but tells you nothing about job strength or wage impact.

✓ INSTEAD

Always prompt your agent to combine metrics. Ask: 'What does the recent inflation rate (CPI) mean when compared to Nonfarm payroll growth?' Use multiple data points for context.

Treating datasets separately

✗ AVOID

Running one query for LAUS and a completely separate query for OEWS. You end up with two unconnected spreadsheets that you have to reconcile manually.

✓ INSTEAD

Ask your agent to cross-reference them in one go: 'Compare the unemployment rates (LAUS) between states where wage growth (OEWS) is highest.' This forces the tool to synthesize the data.

Using outdated series IDs

✗ AVOID

Trying to manually input complex, old BLS numeric codes into a general query. These identifiers can change or be too specific for initial analysis.

✓ INSTEAD

Let your agent handle the complexity. Just tell it what you need (e.g., 'national unemployment rate') and let it use its capabilities to find and process the correct series ID.

The Right Fit

Use this MCP if your analysis requires depth in time-series economic data, particularly when comparing multiple variables like inflation, wages, and jobs across different geographies or job categories. You need a full picture, not just single metrics.

Don't use it if you only need one simple number—like 'What was the

CPI last quarter?' For that, simpler single-metric APIs might suffice. But if your goal is to understand *why* inflation changed (e.g., due to wage pressure or local job shortages), this MCP is essential. It's built for synthesis and deep correlation modeling.

Bureau of Labor Statistics Full: Analyzing US Macroeconomic Trends with BLS Data

Manually tracking the health of the American economy used to mean logging into multiple government sites. You'd grab the latest CPI number, then run a separate query for nonfarm payrolls, and maybe pull another file for local unemployment rates (LAUS). It was tedious clicking through dashboards, copying numbers, and spending hours just compiling the initial dataset.

With this MCP, your agent handles all that work. You tell it to give you 'the total economic wrap-up'—inflation, jobs, and unemployment rate for the last month—and it spits out a combined report instantly. What you get is a cohesive view of the entire market cycle.

Bureau of Labor Statistics Full: Cross-referencing Wages and Job Openings with BLS Data

Previously, figuring out if high job turnover (JOLTS) in a sector actually translated into higher pay was a two-step process. You'd first get the open roles count, then you'd have to find and manually cross-reference the specific wage code for that profession using OEWS.

Now, your agent combines these datasets automatically. It can tell you exactly how many job openings exist in 'Information Tech' AND what the median salary is for a developer role today, giving you an immediate assessment of market tightness.

Bureau of Labor Statistics Full: 1 dataset for economic trends

Use the query_bls tool to pull historical time series data from any major BLS dataset using explicit Series IDs.

#	TOOL	DESCRIPTION
01	query_bls	Queries the generic BLS API for time series data, allowing up to 50 concurrent lookbacks using explicit BLS Series IDs.

See It in Action

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

U Give me the total economic wrap-up: Inflation, Nonfarm payrolls, and Unemployment rate for the last month.

📊 **Macroeconomic Indicator Suite**

1. **Inflation (CPI-U)**: +0.3% MoM (3.4% YoY)
2. **Jobs (Nonfarm)**: +216,000 jobs added
3. **Unemployment (CPS)**: 3.7% (unchanged)

These combined metrics indicate a resilient labor market supporting soft landing for inflation.

U Cross-reference finding jobs in Software Engineering with the average pay utilizing OEWS and JOLTS.

💵 **Cross-Analysis: Tech Sector Demand**

Using job turnover data, the 'Information' sector shows 105,000 open roles. Cross-referencing wage codes (OEWS), the median wage for Software Developers sits at **$132,270** annually. The combined metrics show extremely high retention and premium compensation remaining steady.

U Compare local unemployment in Texas vs California down to the exact points.

📍 **LAUS Comparison: TX vs CA**

- **Texas**: 3.9% Unemployment (Stable)
- **California**: 5.1% Unemployment (Rising)

Texas currently maintains a stark advantage in labor absorption rates compared to the tightening markets in California metros.

Frequently Asked Questions

01 **How can I use the Bureau of Labor Statistics Full MCP to track inflation over time?**

You can ask your agent for historical CPI-U data across specific years and months. This allows you to see exactly how prices have changed over decades, which is key for long-term financial modeling.

02 **Does this MCP help me compare job market strength between different states?**

Yes. By using the Local Area Unemployment Statistics (LAUS), you can ask your agent to generate a direct comparison of unemployment rates between any two states or counties, giving you a clear picture of regional labor health.

03 **What is the best way to find out wage data for specific jobs?**

You simply tell the MCP the job title and location. It cross-references that information with OEWS data to give you highly accurate, professional median wages for that exact role in that area.

04 **Can I get a single report combining jobs created and inflation?**

Absolutely. You can prompt your agent for a 'total economic wrap-up.' It pulls together Nonfarm payrolls, CPI data, and unemployment rates into one actionable summary.

05 **Is the Bureau of Labor Statistics Full MCP good for investment research?**

Yes. Because it covers job turnover (JOLTS), wages (OEWS), and overall economic health (CPI/CPS), you get all the core metrics needed to model market risk and opportunity.

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 `"bureau-of-labor-statistics-full-the-mega-server-1": { "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

Bureau of Labor Statistics Full — The Mega Server 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

INDEPENDENT PLATFORM DISCLAIMER

DOCUMENT INFORMATION

Generated	June 2026
MCP Server	Bureau of Labor Statistics Full — The Mega Server MCP
Server ID	`019d755f-878d-70e4-8f38-a1f37dfaab2d`
Platform	Vinkius Cloud for AI Agents
Endpoint	`https://edge.vinkius.com/{token}/mcp`

LICENSE & USAGE