

MCP SERVER

NO CODE

CLOUD HOSTED

Eurostat Trade MCP

Analyze EU trade flows and economic indices.

Eurostat Trade — EU International Commerce provides instant access to deep European economic data. Get trade balances between the EU and major partners like China, US, and UK. You can track international imports and exports by specific product type (SITC classification), monitor industrial output indices, and analyze consumer spending trends across all 27 member states.

A+ Quality Score 100/100

international-trade

import-export

industrial-production

retail-index

economic-data

nace-classification



The infrastructure that powers AI agents in the real world.



Vinkius connects AI to the world's software through secure, enterprise-grade infrastructure — enabling real-world execution at scale, built on the Model Context Protocol (MCP).

Your AI Connections Run Through Vinkius Cloud

The world's largest
managed MCP catalog

Vinkius is the cloud infrastructure where AI agents connect 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.

Eurostat Trade — EU International Commerce MCP

5 tools available

Cloud-hosted on Vinkius

You need to map out complex economic relationships—how trade flows shift based on product types or which countries are buying what. This MCP handles that complexity for you. You can query the EU's entire commercial picture: everything from high-level trade deficits with key partners, down to specific manufacturing indices and consumer spending volume. Instead of downloading massive CSV files and cross-referencing them across multiple government sites, your agent pulls exactly the data points you need in a single conversational turn. If you're building an economic report or checking market trends, this MCP gives you access to the raw material—the official Eurostat numbers—right where you work. Accessing this comprehensive catalog of global and local datasets through Vinkius means you connect once to unlock deep institutional knowledge.

Core Capabilities

01 — Determine international trade deficits

The agent calculates the difference between EU exports and imports for a specified partner country.

03 — Track industrial health trends

The agent provides the monthly index for manufacturing sectors across EU member states.

02 — Analyze product-level commerce

You retrieve trade volumes categorized by specific goods, like machinery or fuels, using SITC classifications.

04 — Gauge consumer spending power

You get a volume index showing how much money consumers are spending on goods, both food and non-food.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/eurostat-trade-eu-international-commerce — connect your AI agent in three steps.

- 01** Your agent identifies the required economic data—for example, trade by product or industrial production for Germany.
- 02** It uses the appropriate tool, sending specific parameters like a country name, time period, or SITC code to the MCP.
- 03** The system returns structured data showing the relevant EU metric, allowing you to write up immediate analysis.

The bottom line is you get reliable, official economic figures without needing to know which Eurostat dataset holds the answer.

Built For

This MCP is essential for market analysts and economists who need verifiable, macro-level data. If your job involves writing reports on global supply chains, predicting sector performance, or benchmarking trade health across continents, this tool cuts out weeks of manual research.

Economic Analyst

Uses the MCP to track shifts in industrial production indices (NACE) and compare current EU trends against historical baselines.

Consulting Strategist

Calculates trade balances with specific global partners, allowing them to quickly advise clients on market entry or risk assessment.

Supply Chain Planner

Monitors retail trade volume and product classification data (SITC) to forecast changes in consumer demand for raw materials or finished goods.

What Changes When You Connect

- 01 Stop cross-referencing government websites. You can immediately check the EU's full trade balance with any major partner using `get_trade_balance`, instantly showing deficits or surpluses.
- 02 Move beyond simple totals. By calling `get_trade_by_product`, you segment data to see if a decline in overall trade is due to a drop in machinery or raw materials.
- 03 Get an early warning signal on economic health. The `get_industrial_production` tool gives the NACE sector breakdown, showing exactly which parts of the economy are slowing down.
- 04 Understand consumer shifts. Instead of guessing about demand, use `get_retail_trade` to quantify changes in spending volume between food and non-food items.
- 05 Handle unknowns with precision. The generic `get_trade_dataset` lets you query obscure or newly released datasets simply by providing the internal code.

Real-World Applications

Investigating a Supply Chain Weakness

An analyst notices declining EU exports. They use `get_trade_by_product` to pinpoint that the drop is isolated to chemical goods, while machinery remains strong. This suggests they need to focus their client's mitigation strategy only on the chemicals sector.

Assessing Market Risk with China

A consulting firm needs a quick risk assessment for new market entrants. They use `get_trade_balance` to pull the latest trade deficit figures between the EU and China, providing immediate, actionable data points.

Forecasting Post-Pandemic Recovery

A macroeconomist wants to track recovery by sector. They run ``get_industrial_production`` for several years, identifying which NACE sectors—like energy or manufacturing—show the strongest upward trajectory.

Modeling Consumer Behavior Change

A financial firm needs to update its spending model. They use ``get_retail_trade`` to compare non-food volume growth against food stability, accurately modeling where consumer money is actually flowing.

Patterns to Avoid

Predicting future performance

X AVOID

Asking the agent, 'What will EU trade look like in 2025?' The MCP only has historical or current data and cannot generate projections.

✓ INSTEAD

To understand trends, use ``get_industrial_production`` to analyze the rate of change over the last five years. For a comparative view, pull multiple years' worth of data using ``get_trade_dataset``.

Analyzing single-country trade

X AVOID

Treating this MCP as a source for non-EU member state data (e.g., China's internal industrial index). The data is focused on the EU context.

✓ INSTEAD

Use ``get_trade_balance`` only when comparing an EU metric against a major partner. For deep dives into a single foreign country, use local specialized databases.

Confusing indices with values

X AVOID

Assuming the retail trade index number is the actual currency value (e.g., thinking 108.3 means €108 billion). It's a relative volume measure.

✓ INSTEAD

Always remember that ``get_retail_trade`` provides an index, not a direct monetary amount. Use it to show percentage change or growth rates instead.

The Right Fit

Use this MCP if your work requires verifiable, official macroeconomic data about the European Union's commercial activity or industrial health. Specifically, you need to compare trade flows by partner country (`get_trade_balance`) or break down goods traded by classification code (`get_trade_by_product`). Don't use it if your goal is micro-level analysis of a single company's revenue; this MCP deals with national and continental data. Also, don't rely on it

for real-time stock market updates—it tracks indices and volumes, not intraday pricing. If you just need general US/China trade figures without the specific EU context, look for dedicated bilateral trade APIs instead.

The Problem with Macroeconomic Reporting Today

Think about building a report on global commerce. You start by visiting Eurostat's website, navigating through layers of dropdown menus to select the correct year, sector (NACE or SITC), and partner country. Then you download dozens of massive CSV files, only to spend hours in Excel manually linking columns and cleaning up inconsistent data formats just so your charts actually add up.

With this MCP, all that manual cross-referencing disappears. You simply tell your agent the core question—for example, 'How did manufactured goods trade change between the EU and Germany last quarter?' Your AI client pulls the exact figure directly, giving you immediate, structured data ready to paste into your final presentation.

Get Precise Economic Indicators with Eurostat Trade MCP

You no longer have to switch between multiple specialized dashboards just to get a full picture. Instead of manually tracking the industrial output index in one tab and consumer spending in another, you can run `get_industrial_production` alongside `get_retail_trade` in a single query.

This means your analysis is always complete. You move from piecing together fragmented data to executing comprehensive economic models that accurately reflect the full scope of EU commerce.

Eurostat Trade — EU International Commerce (5 Tools)

These tools let you query specific Eurostat datasets to get detailed information on EU trade deficits, sector-specific industry health, or consumer spending volumes.

#	TOOL	DESCRIPTION
01	<code>get_trade_balance</code>	Retrieves the EU's total trade surplus or deficit with major partners, like China or Japan.
02	<code>get_trade_by_product</code>	Provides detailed trade figures broken down by specific product categories using SITC codes.
03	<code>get_industrial_production</code>	Gathers the monthly index for industrial output, segmented by EU country and manufacturing sector (NACE).
04	<code>get_retail_trade</code>	Returns a volume index representing overall consumer spending on goods across the member states.
05	<code>get_trade_dataset</code>	Allows you to query any general Eurostat dataset using common internal codes for flexible research.

See It in Action

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

U What is the EU trade balance with China?



CN EU-China Trade

Exports to China: €230B

Imports from China: €512B

Trade deficit: -€282B

China is the EU's #1 source of imports and #3 export destination.

Top imports: electronics, machinery, textiles.

Top exports: vehicles, machinery, chemicals.

U Show industrial production trends for Germany



Germany — Industrial Production Index (2015=100)

Latest: 94.2 (-5.8% below 2015)

12m trend: ↓ declining

Manufacturing: 92.1

Energy-intensive: 81.3 (severe decline)

German industry faces structural headwinds from high energy costs.

U How is retail trade performing in the EU?



EU Retail Trade Volume (2015=100)

EU27: 108.3 (+2.1% YoY)

Online retail: +12% growth

Food: stable (+0.4%)

Non-food: +3.2%

E-commerce continues to drive overall retail growth.

Frequently Asked Questions

01 What specific product types can I analyze using `get_trade_by_product`?

You can classify trade by many goods, including food items, raw materials, fuels, chemicals, machinery, and manufactured products. This uses the SITC classification system.

02 Can Eurostat Trade MCP give me data for all countries in the world?

No, this MCP focuses specifically on EU international commerce and its trade relations with major partner countries like the US, China, and Japan. The scope is centered on the 27 member states.

03 How do I find out if the EU has a trade surplus or deficit?

Use the `get_trade_balance` tool. It calculates the difference between total exports and imports for any specified partner country, giving you the net balance.

04 Is `get_industrial_production` better than `get_trade_dataset` for economic trends?

If you need a specific sectoral trend (like NACE breakdown), use `get_industrial_production`. If you have a complex, multi-faceted query across different data types, the generic `get_trade_dataset` offers more flexibility.

05 Does Eurostat Trade MCP track micro-company sales?







No. This MCP provides macro-level economic indices and trade volumes for entire regions and sectors, not transactional data from individual private companies.

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>"eurostat-trade-eu-international-commerce": { "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

Eurostat Trade — EU International Commerce 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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