

MCP SERVER

NO CODE

CLOUD HOSTED

UK ONS Full MCP

Query UK's entire statistical landscape instantly.

UK ONS Full — Complete Statistical Intelligence gives you instant access to the UK's massive repository of official government data. It covers everything from GDP growth and CPIH inflation rates to weekly death counts, local authority well-being scores, and national trade flows. You can query over 300 datasets in one place using flexible filters for time, region, and sector.

A+ Quality Score 98.33/100

statistics

economic-data

population-data

trade-statistics

data-query

public-records



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.

UK ONS Full — Complete Statistical Intelligence MCP

20 tools available
Cloud-hosted on Vinkius

Need to build a comprehensive economic report but don't want to spend days navigating dozens of government websites? This MCP gives you direct access to the full breadth of UK Office for National Statistics data. Think of it as having 20 specialized analysts—one for every major topic—available in your agent, all without needing an API key.

Instead of sifting through pages of PDFs and remembering complex dataset IDs, you tell your AI client what you need—for example, 'Compare regional GDP growth to local authority well-being scores over the last five years.' The MCP handles the mapping. It lets you query economic indicators like CPIH inflation, track consumer spending via debit card data, or pull historical trade figures by commodity.

If your current process involves manually downloading spreadsheets and cross-referencing dates from multiple sources, this changes that. You connect to Vinkius, which manages this catalog of critical tools, giving your agent a unified front door to the most reliable UK statistics available. Your focus stays on the insight; we handle the data plumbing.

Core Capabilities

01 — Track macroeconomic performance

Get quarterly and annual figures for GDP, along with inflation rates like CPIH.

03 — Model population changes and health risks

Retrieve national statistics on life expectancy, well-being scores, and death registrations by region.

05 — Discover available datasets and filters

Browse the entire ONS catalog and find specific dimensions, like geography or time periods, needed for your query.

02 — Analyze consumer spending patterns

Pull weekly and monthly data on retail sales indices and debit/credit card transaction volumes.

04 — Map global trade flows

Query monthly data detailing UK imports and exports of goods by country and commodity.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/mcp/uk-ons-full-complete-statistical-intelligence — connect your AI agent in three steps.

- 01 First, use ``search_datasets`` to narrow down the 337+ available datasets by keywords. This tells you which specific data source holds the information you need.
- 02 Next, if you're unsure how to filter observations, run ``get_dimension_options``. This lists all valid filters for that dataset, such as every possible region code or time period.
- 03 Finally, execute a query using either a dedicated tool (like ``get_gdp``) or the general ``get_observations`` function, providing the ID and the necessary dimension filters to retrieve your specific data points.

The bottom line is you don't need deep ONS knowledge; you just tell your agent what question you're asking about UK statistics.

Built For

Policy analysts, economic researchers, and financial modelers. You're the person who wakes up needing to compare current spending habits against historical population trends or GDP growth rates. Your pain is data fragmentation; you spend too much time piecing together disparate reports from different sources.

Economic Researcher

They use this MCP to run comparative analyses, for instance, correlating the annual CPIH inflation rate with regional GDP growth over a decade.

Policy Analyst

They analyze demographic shifts by comparing population projections and well-being scores across different local authorities to advise on resource allocation.

Business Intelligence Specialist

They track real-time economic indicators, pairing weekly debit card spending data with commodity trade figures to gauge immediate market health.

What Changes When You Connect

-
- 01 Compare macro indicators side-by-side. You can run a query linking the CPIH inflation rate to the quarterly GDP using `get_cpih` and `get_gdp`, giving you immediate insight into price vs. growth dynamics.

 - 02 Move beyond simple charts. Need to understand how policy affects specific groups? Use `get_tax_benefits` alongside `get_wellbeing` data to model potential socioeconomic impacts on households.

 - 03 Real-time indicators are available for your models. Pair the experimental weekly spending from `get_spending_cards` with current traffic activity from `get_traffic_activity` to gauge immediate market health changes.

 - 04 It's comprehensive coverage. If you need data—whether it's trade flows via `get_trade` or business counts via `get_business_counts`—this MCP gives you the correct tool without manual searching.

 - 05 Understand granular local shifts. You can compare national well-being estimates from `get_wellbeing` against localized reports using `get_wellbeing_local`, helping pinpoint areas needing attention.
-

Real-World Applications

Analyzing post-pandemic economic recovery

A financial analyst wants to know if increased consumer confidence is reflected in spending. They ask their agent to query `get_spending_cards` (weekly data) and compare the trend against historical retail sales from `get_retail_sales`. The result shows a clear correlation between card use spikes and high volume sales.

Writing a report on regional inequality

A policy researcher needs to assess if wealth disparity is affecting quality of life. They instruct their agent to run `get_wellbeing` (national view) and then cross-reference the results with detailed local authority data from `get_wellbeing_local`, pinpointing specific regions for intervention.

Modeling demographic pressure on infrastructure

A civil engineer needs to estimate future demand. They ask their agent to pull population projections using ``get_population_projections`` and combine that forecast with the historical business counts from ``get_business_counts`` to stress-test local service capacity.

Comparing economic shocks

A macroeconomist needs a quick comparison of past crises. They ask their agent to compare GDP figures (``get_gdp``) against the corresponding period's inflation data from ``get_cpih``, generating an instant comparative chart showing growth compression.

Patterns to Avoid

Using general web search for stats

✗ AVOID

A user searches Google: 'UK GDP and inflation 2023'. They get a mix of news articles, blog posts, and poorly formatted PDF snippets that require manual data extraction.

✓ INSTEAD

Use this MCP to run targeted queries. First, use ``search_datasets`` to confirm the correct dataset ID, then execute your comparison using dedicated tools like ``get_gdp`` and ``get_cpih``. This bypasses all interpretation layers.

Relying on secondary data aggregators

✗ AVOID

A user pulls 'estimated' numbers from a third-party dashboard that hasn't updated its source feeds, leading to outdated or misattributed figures.

✓ INSTEAD

Connect directly. This MCP provides the raw, official statistics from ONS itself. Use ``get_dataset_info`` first to verify data scope and versioning before querying.

Guessing required filters

✗ AVOID

A user attempts to run a query for 'regional spending' without knowing the correct region code or time period, resulting in an API error or incomplete dataset.

✓ INSTEAD

Always check the filter options first. Use ``get_dimensions`` followed by ``get_dimension_options`` to get all valid codes and categories before running your final data query.

The Right Fit

Use this MCP if you require official, structured UK government statistics—the kind of deep, time-series, multi-dimensional data that only a national statistical office provides. You need to compare metrics across different domains (e.g., comparing trade volumes to population growth). Don't use it if your question is qualitative or

needs expert human interpretation; this MCP delivers the numbers. If you are looking for very niche, non-standard industry reports not covered by ONS, a specialized data vendor might be better. However, if you need any of the core economic, demographic, or trade metrics (like `get_gdp` , `get_cpih` , or `get_trade`), this is the definitive source.

The struggle to correlate seemingly unrelated UK data points.

Every quarter, analysts spend hours downloading multiple reports. They copy-paste GDP figures into one spreadsheet tab, then open a separate file for CPIH inflation and another for local authority well-being scores. The process is manual, prone to version control errors, and requires jumping between three or four different government websites just to build a single comparison chart.

With this MCP, you simply state the relationship you want to test—for example, 'How did CPIH inflation affect regional GDP in 2023?' Your agent executes the necessary calls using tools like `get_cpih` and `get_gdp` , compiling a clean, ready-to-analyze data output instantly.

Get UK ONS Full — Complete Statistical Intelligence

Manual tasks that vanish include: finding the correct dataset ID, determining if you need annual or quarterly figures, and cross-referencing different geographical codes. You never have to download a PDF again just for a number.

You stop analyzing data; you start thinking about the conclusions. This MCP gives your agent reliable access to the numbers, period.

UK ONS Full — Complete Statistical Intelligence (20 Tools)

Use these 20 specialized tools to query specific datasets for UK economic, demographic, and social statistics.

#	TOOL	DESCRIPTION
01	<code>search_datasets</code>	Search the ONS catalog by keyword to find matching dataset IDs, titles, and descriptions.
02	<code>list_datasets</code>	Browse the complete list of over 300 available datasets covering all areas from economy to health.
03	<code>get_dataset_info</code>	Retrieve metadata for a specific ONS dataset, showing its dimensions, editions, and versions.
04	<code>get_dimensions</code>	Get the available filtering options (dimensions) that you can use to narrow down observations within a dataset.
05	<code>get_dimension_options</code>	List all valid option values for a specific dimension, such as every geography code or time period.
06	<code>get_observations</code>	Query any ONS dataset using its ID and the filtered dimensions to retrieve actual data points.
07	<code>get_gdp</code>	Get UK GDP data, including both quarterly and annual figures for regions like England and Wales.
08	<code>get_cpih</code>	Retrieve the official Consumer Prices Index (CPIH), which measures overall inflation in the UK.
09	<code>get_retail_sales</code>	Get monthly figures on both the value and volume of retail sales across Great Britain.
10	<code>get_spending_cards</code>	Access weekly data tracking consumer spending using UK debit and credit cards for a near real-time indicator.
11	<code>get_tax_benefits</code>	Get statistics showing how taxes and various benefits affect household income in the UK.
12	<code>get_economy_dataset</code>	Query any core ONS economy dataset using its ID with flexible filters to get comprehensive economic data.
13	<code>get_weekly_deaths</code>	Retrieve national statistics on death registrations in England and Wales, broken down by age, sex, and region weekly.

#	TOOL	DESCRIPTION
14	<code>get_wellbeing</code>	Get quarterly estimates of personal well-being across the UK, including life satisfaction and happiness scores.
15	<code>get_wellbeing_local</code>	Retrieve detailed well-being estimates for specific local authorities across the UK.
16	<code>get_suicides</code>	Get national statistics on suicide registrations by local authority in England and Wales.
17	<code>get_population_projections</code>	Pull future UK population projections, focusing on older people's sex ratios and local authorities.
18	<code>get_trade</code>	Get monthly data on UK trade in goods, showing imports and exports by country and commodity.
19	<code>get_business_counts</code>	Access historical counts of businesses using enterprise and local unit registers, broken down by industry and location.
20	<code>get_traffic_activity</code>	Get experimental data from traffic cameras used as a real-time indicator of economic activity and social change.

See It in Action

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

U Full UK economic briefing: GDP, inflation, retail, and trade



GB UK Economic Briefing

- 💰 GDP: +0.3% Q3 2025 (quarterly)
- 📊 CPIH: 3.2% (February 2026)
- 🛒 Retail: +1.2% monthly (volume)
- 🇬🇧 Trade: -£8.6B deficit with EU
- 💳 Card Spending: +2.1% vs pre-pandemic

5 ONS datasets queried simultaneously.

U Can you compare UK GDP growth with the inflation rate (CPIH) over the last year?



Based on recent ONS data: In the 12 months to February 2026, the CPIH annual inflation rate was 3.2%. Concurrently, UK GDP saw an estimated growth of 0.3% in the latest quarter, indicating low growth against persistent inflation.

U Give me a summary of UK population projections and life expectancy.



According to the latest ONS projections, the UK population is projected to grow to over 70 million by 2036. Period life expectancy at birth in the UK is currently estimated at 79.0 years for males and 82.9 years for females.

Frequently Asked Questions

01 How do I find out what type of filters are available using UK ONS Full — Complete Statistical Intelligence?

Use ``get_dimension_options``. This tool lists every possible filter value for a specific dataset, whether it's geography (like 'England') or time period.

02 Can I compare GDP and inflation using UK ONS Full — Complete Statistical Intelligence?

Yes. You can use dedicated tools like ``get_gdp`` for growth figures and ``get_cpih`` for the official Consumer Prices Index to run a direct comparison.

03 What kind of data does `get_spending_cards` provide?

``get_spending_cards`` provides weekly data on UK debit and credit card spending, acting as an experimental indicator of consumer activity in near real-time.

04 Do I need to know the dataset ID for every query with UK ONS Full — Complete Statistical Intelligence?

Not necessarily. You can start by running ``search_datasets`` using keywords, which will return matching IDs and descriptions you can then use.

05 Does this MCP cover historical trade data?







Yes, you can use the ``get_trade`` tool to access monthly records on UK goods trade, showing both imports and exports broken down by commodity.

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>"uk-ons-full-complete-statistical-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

UK ONS Full — Complete Statistical 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

INDEPENDENT PLATFORM DISCLAIMER

Vinkius is an independent platform and is not affiliated with, endorsed by, sponsored by, verified by, or otherwise authorized by UK ONS Full — Complete Statistical Intelligence. All third-party trademarks, logos, and brand names are the property of their respective owners. Their use in this document is strictly for informational purposes to identify service compatibility and interoperability.

DOCUMENT INFORMATION

Generated	June 2026
MCP Server	UK ONS Full — Complete Statistical Intelligence MCP
Server ID	019d75e6-9db7-70f6-869a-b271a8655504
Platform	Vinkius Cloud for AI Agents
Endpoint	<code>https://edge.vinkius.com/{token}/mcp</code>

LICENSE & USAGE

This document is generated automatically by the Vinkius PDF Engine. Content reflects the MCP server configuration at the time of generation and may change as updates are deployed. For the most current information, visit vinkius.com/mcp/uk-ons-full-complete-statistical-intelligence.