MCP SERVER | NO CODE | CLOUD HOSTED

Tomorrow.io MCP

Know the weather today, tomorrow, or 20 years ago.

Tomorrow.io provides access to hyperlocal weather intelligence, letting your AI client pull real-time conditions, detailed forecasts, and decades of historical climate data. Plan complex logistics, analyze insurance claims, or build advanced dashboards using precise weather information for any global location.

A+ Quality Score 100/100

weather-forecasting | hyperlocal-data | real-time-monitoring | air-quality | severe-weather-alerts | historical-weather

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vinkius.com/mcp/tomorrowio-alternative

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.

Tomorrow.io MCP

10 tools available
Cloud-hosted on Vinkius

Need reliable weather data that goes way beyond a simple forecast? This MCP connects your agent to enterprise-grade meteorological intelligence. You can ask it for current conditions—like temperature and air quality—for any place on Earth. Planning a road trip? It figures out the expected weather along the entire route, not just the endpoints. Need to analyze climate change or process an insurance claim? The system pulls decades of historical data, allowing you to query specific fields over huge date ranges. For ongoing operations, it monitors active severe weather warnings and provides multi-resolution forecasts, giving you hourly predictions for wind and precipitation probability. This entire suite of capabilities is hosted on Vinkius, letting any MCP-compatible client use the full catalog without extra steps.

Core Capabilities

01 — Check current conditions

You get immediate details like temperature, humidity, wind speed, and air quality for a specific location.

02 — Predict future weather patterns

You receive detailed forecasts—hourly or spanning up to two weeks—including chances of rain, pressure changes, and wind direction.

03 — Analyze historical climate data

You pull observed weather records dating back 20 years for deep research or verifying past events.

04 — Plan routes with predictive weather

You get a forecast that follows a multi-stop path, allowing you to plan logistics around expected conditions at every waypoint.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to this MCP and generate your API key through the Vinkius catalog.

02 Connect your agent—whether it's Claude, Cursor, or another client—using your credentials.

03 Ask natural language questions like 'What was the wind speed in Chicago on May 1st?' and receive structured weather data.

The bottom line is that you talk to your AI agent using plain English, and it handles all the complex API calls for precise weather answers.

Built For

This is for operations teams who can't afford delays due to bad forecasting. It's needed by insurance adjusters verifying claims against old data and researchers tracking climate changes over decades.

Logistics Manager

You use this MCP to plan multi-stop delivery routes, ensuring the AI checks for expected severe weather along every segment.

Actuary / Claims Adjuster

You query historical archives using this MCP to verify if recorded weather events (like wind or rainfall) match claim dates and locations.

Climate Scientist

You pull custom timelines, specifying exactly which data fields you need over specific date ranges for academic modeling.

What Changes When You Connect

01 Instead of checking multiple tabs for current conditions, you simply ask your agent to use `get_realtime_weather` and get immediate data on temperature, humidity, and air quality in one go.

02 Forecasting used to mean guessing. Now, using `get_hourly_forecast`, you can plan activities with high confidence because the system provides predictions for wind, pressure, and precipitation hour by hour.

03 For insurance or research, waiting days for data is unacceptable. With this MCP, `get_historical_weather` lets you pull specific fields from up to 20 years of archived data instantly.

04 Logistics planning changes entirely when your agent uses `get_route_weather`. You don't get weather for the start and end points; you get a forecast along the entire multi-waypoint path.

05 If you need deep analytics, forget general reports. The `get_timeline` tool lets you build precise queries defining exactly which metrics and time steps are needed for your custom dashboards.

Real-World Applications

Verifying an insurance claim.

An adjuster needs to know if the wind speed exceeded 40 mph on a specific date last year. They connect their agent, ask it to use `get_historical_weather`, and get confirmed records for that exact metric and date range.

Planning an outdoor festival.

The event organizer needs accurate timing. By using `get_hourly_forecast` days out, they can see when high wind probability is expected, allowing them to schedule vendor setup around the risk window.

Coordinating a cross-country delivery.

The dispatch team uses this MCP with `get_route_weather`. The agent calculates weather conditions not just for Denver and Miami, but for every town between them, rerouting the driver proactively.

Building an advanced climate dashboard.

A data scientist needs to compare precipitation probability across three different metrics (wind speed, humidity, UV index) over a 14-day period. They use `get_timeline` to pull all these specific fields at precise intervals.

Patterns to Avoid

Assuming general forecasts are enough.

✗ AVOID

Just asking for 'next week' and getting a simple daily summary that ignores critical changes like wind shear or localized storms.

✓ INSTEAD

For detailed planning, use `get_hourly_forecast` to pinpoint high-risk hours. If you need multi-stop coverage, always run the query through `get_route_weather`.

Trying to verify a recent event by guessing.

✗ AVOID

Manually checking news reports for 'what was the weather like yesterday?' and getting vague descriptions of conditions.

✓ INSTEAD

Use `get_recent_history`. This tool pulls actual observed conditions—including temperature, wind, and precipitation—from the last 24 hours.

Limiting analysis to current data only.

✗ AVOID

Only checking today's forecast when you actually need to compare this year's rainfall against average historical records from the past decade.

✓ INSTEAD

For long-term research, use `get_historical_weather` or `get_timeline`. These tools give you access to decades of archived data.

The Right Fit

Use this MCP if your core problem involves predicting, verifying, or calculating based on weather conditions—whether that's for logistics (route planning), risk assessment (insurance/actuarial), or scientific modeling (climate research). If you need to know the temperature in Tokyo right now, use `get_realtime_weather`. If you just want a general idea of next Saturday, use `get_daily_forecast`. However, don't use this if your data needs are purely geographical and unrelated to weather patterns; for example, predicting traffic volume is outside its scope. Furthermore, if you only need the average temperature over 10 years without specific wind speed metrics, consider using a dedicated statistical database instead of relying solely on `get_historical_weather`. Always match your query specificity (e.g., hourly vs. daily) to the required tool.

The headache of manual weather data collection

Today, checking complex weather patterns means jumping between multiple sites: one for current conditions, another for a 14-day outlook, and finally opening spreadsheets to manually input historical ranges. You spend time cross-referencing wind speeds from different quarters just to build a basic dashboard.

With this MCP, you tell your agent what data you need—for example, 'I need the temperature and precipitation probability for every hour on my route next week.' The system handles all that complexity, giving you one clean, accurate data set ready for analysis.

Get actionable insights using get_route_weather

Before this, planning a delivery meant looking at the weather only in the start city and the end city. You'd plan based on an optimistic forecast that completely ignored potential storms or high winds along the middle segments of the journey.

Now, when you ask the agent to use `get_route_weather`, it calculates conditions for every single waypoint between your origin and destination. That means your logistics plans are built around actual expected environmental risk, not just city averages.

Tomorrow.io: 10 Tools for Weather Data Processing

These tools allow you to retrieve everything from immediate current conditions to complex, multi-decade climate records.

#	TOOL	DESCRIPTION
01	`get_daily_forecast`	This tool provides a simple daily weather forecast suitable for general travel and weekly planning.
02	`get_weather_events`	It identifies active alerts, like storm warnings or heat advisories, that might affect a specific area right now.
03	`get_forecast`	You get an extended weather prediction for up to 14 days, covering temperature, humidity, and wind probability.
04	`get_historical_weather`	This tool retrieves observed daily or hourly data across a specified date range for deep analysis.
05	`get_hourly_forecast`	It gives an hour-by-hour prediction, which is necessary when you need to plan activities within the next few days.
06	`list_locations`	You check and manage a list of frequently monitored areas saved in your Tomorrow.io account.
07	`get_realtime_weather`	This provides the immediate, current weather conditions for any location using city names or coordinates.
08	`get_recent_history`	It retrieves actual observed weather data from the past 24 hours to verify very recent events.
09	`get_route_weather`	You plan a trip by getting expected weather conditions for every waypoint along a multi-stop travel route.
10	`get_timeline`	This advanced tool lets you build highly specific data queries, selecting exact metrics and time intervals for custom dashboards.

See It in Action

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

U What's the weather like in Tokyo right now?

Currently in Tokyo: 🌡️ 18.5°C, 💧 62% humidity, 💨 12 km/h NW wind, clear skies with 0% precipitation probability. UV index is 3 (moderate). Visibility is excellent at 16 km.

U Give me an hourly forecast for São Paulo for the next 12 hours.

Hourly forecast for São Paulo: 14:00 — 27°C, 45% humidity, 8% rain chance | 15:00 — 28°C, 42%, 5% | 16:00 — 26°C, 55%, 25% | 17:00 — 24°C, 68%, 60% — thunderstorm likely | 18:00 — 22°C, 78%, 85% — heavy rain expected. I'd recommend carrying an umbrella after 4 PM.

U What was the weather like in London on January 15, 2025?

Historical weather for London on January 15, 2025: High 7.2°C, Low 2.1°C, 89% humidity, 22 km/h SW wind, 4.8mm rainfall recorded, overcast skies throughout the day. Visibility was reduced to 8km due to light drizzle in the morning.

Frequently Asked Questions

01 **How do I get the current weather using Tomorrow.io MCP?**

You use `get_realtime_weather`. You simply provide a location—like 'Paris' or coordinates—and the agent returns immediate details on temperature, wind, and air quality.

02 **Can I check historical data using Tomorrow.io MCP?**

Yes, you use `get_historical_weather`. You specify a date range and what fields you need—like rainfall or humidity—and the tool retrieves observed records from up to 20 years.

03 **What is the difference between get_forecast and get_hourly_forecast?**

The `get_forecast` gives a general prediction for days ahead. If you need detailed timing, like knowing if rain will hit at 3:00 PM or 4:00 PM, use `get_hourly_forecast`.

04 **Can I plan a route using Tomorrow.io MCP?**

You run the multi-stop path through `get_route_weather`. This tool ensures that the forecast is accurate for every single point along your planned journey, which is critical for logistics.

05 **How can I analyze specific metrics over time with Tomorrow.io MCP?**

Use the advanced `get_timeline` tool. It lets you dictate exactly which data points—like wind speed or UV index—and what intervals are necessary for your custom analytics.

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 `"tomorrowio-alternative": { "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

Tomorrow.io 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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