MCP SERVER | NO CODE | CLOUD HOSTED

Tomorrow.io MCP

Know the weather before you need to know it.

Tomorrow.io brings hyper-local weather intelligence directly into your AI client. It gives your agent minute-by-minute forecasts, current atmospheric data, and air quality reports for any location on Earth. Whether you're running complex supply chain models or planning an outdoor event, this MCP provides the precise environmental context needed to make critical, real-time decisions.

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-extended

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

5 tools available
Cloud-hosted on Vinkius

Need to base a decision on what the weather *will* be? This connection gives your agent access to detailed atmospheric data and forecasts for any spot. It pulls in everything from current temperature and humidity readings to pollution levels and active warnings, all without you opening another browser tab or running a separate app. You can ask your agent to check historical patterns over the last day or audit future conditions with custom time steps. When connected through Vinkius, your AI client acts like an instant meteorological consultant, feeding precise environmental data directly into your workflow so you never guess on logistics or safety again.

Core Capabilities

01 — Get Current Weather Status

Retrieve immediate readings including temperature, humidity, and wind speed for a specific geographic area.

02 — Predict Future Conditions

Access detailed forecasts with customizable time intervals, letting you plan minute-by-minute or day-by-day.

03 — Check Environmental Health

Monitor local air quality and pollution indices to assess safety levels for outdoor operations.

04 — Analyze Past Data

Fetch recent weather records, letting you analyze environmental trends over the last 24 hours or more.

05 — Review Active Warnings

List all current severe weather alerts and warnings issued for a specified region.

One Click on Vinkius — From Prompt to Execution

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

01 Subscribe to this MCP on Vinkius and enter your Tomorrow.io API Key.

02 Your AI client connects, making the environmental data available as an accessible toolset.

03 You prompt your agent with a request (e.g., 'What will the air quality be in San Francisco tomorrow?') and it executes the necessary function.

The bottom line is you tell your AI client what information you need, and it handles all the API calls to get accurate weather data back.

Built For

Anyone whose daily operations depend on knowing the environment—from shipping cargo across state lines to planning large outdoor events. This MCP is for professionals who can't afford a single wrong call because of bad weather data.

Logistics Manager

Using `get_weather_forecast`, they adjust delivery routes and scheduling the moment rain or high winds are predicted, avoiding costly delays.

Agronomist / Farm Manager

They analyze historical trends using `get_recent_history` to determine optimal times for irrigation cycles or harvesting crops.

Event Coordinator

Before a festival, they check `list_weather_alerts` and use the current conditions data to prepare backup safety plans for sudden storms.

What Changes When You Connect

01 Eliminate guesswork on field operations. Instead of relying on general forecasts, using `get_realtime_weather` gives your agent immediate data like wind speed and humidity for instant operational checks.

02 Plan with precision. Need to account for changing conditions? The ability to use `get_weather_forecast` lets you plan logistics hour by day or day by day, improving route reliability dramatically.

03 Prioritize safety instantly. Before an event starts, running `list_weather_alerts` ensures your agent knows if there are active warnings—like flash flood or high wind advisories—that require immediate action.

04 Optimize resource use. Agronomists can check historical trends using `get_recent_history`. This data helps them determine if the last week's rainfall was unusually low, guiding better irrigation plans.

05 Monitor public health risks. By calling `get_air_quality`, your agent automatically checks for pollution spikes (like high PM2.5) and can advise users to postpone outdoor activities when air safety is compromised.

Real-World Applications

Rerouting a Fleet During Storms

A logistics manager needs to move goods through the Midwest, but a storm track develops. They ask their agent for the forecast and use `get_weather_forecast` to identify areas hit by severe weather, rerouting the entire fleet before any delays happen.

Planning an Outdoor Festival

An event organizer needs to know if a weekend outdoor market is safe. They run `list_weather_alerts` and check the air quality via `get_air_quality`, ensuring they have enough time to secure vendors against predicted wind gusts.

Diagnosing Crop Stress

An agronomist notices wilting crops. They use `get_recent_history` and combine it with the real-time data from `get_realtime_weather` to determine if a recent heat spike or change in humidity was responsible for the poor yield.

Emergency Preparedness Check

A facility manager needs to know if they can operate safely after a local incident. They check `get_realtime_weather` for current wind speeds and use `get_air_quality` to confirm that pollution levels are safe for personnel reentry.

Patterns to Avoid

Assuming generalized data is enough

✗ AVOID

Asking a general-purpose agent, 'What's the weather like in Texas?' The result will be too broad and useless for specific operational planning.

✓ INSTEAD

Always specify location granularity. Use `get_realtime_weather` or `get_weather_forecast` and include coordinates or a very specific ZIP code to get hyper-local data.

Only checking the current moment

✗ AVOID

Using only the current readings, like `get_realtime_weather`, when planning an activity for tomorrow. This gives you zero predictive power.

✓ INSTEAD

If you're planning ahead, always use `get_weather_forecast`. It provides customizable time steps so you can audit conditions far into your future timeline.

Ignoring environmental context

✗ AVOID

Asking for a logistics route without considering local risks. This might lead to sending drivers through an area currently under a high-wind alert.

✓ INSTEAD

Check `list_weather_alerts` first. If alerts are active, do not proceed with planning until the agent confirms the warnings have cleared.

The Right Fit

Use this MCP when your operational decisions hinge on dynamic environmental conditions: logistics routing, construction scheduling, outdoor event safety, or agricultural timing. You need predictive power and current atmospheric readings. Don't use it if you just need general knowledge (e.g., 'What is the capital of France?'). For basic data visualization based on fixed metrics (like reading a static database table), stick to specialized data connectors. If your concern is purely historical, you can limit yourself to `get_recent_history`, but remember that for actionable planning, you need the combination of real-time and forecast tools.

The Manual Headache of Environmental Planning

Right now, if your team needs to plan a multi-day outdoor event or manage cross-state deliveries, someone has to manually check three different websites. You're opening the general forecast site for wind speed; then you jump over to a separate air quality tracker for pollution levels; and finally, you have to consult a third page just to see if there are active severe weather advisories. Copying and pasting all this data into a single spreadsheet is tedious, slow, and prone to outdated information.

With this MCP, your agent handles the coordination. You ask it one question, like 'Should we proceed with the event?', and it instantly runs multiple checks—the current temperature via `get_realtime_weather`, pollution levels from `get_air_quality`, and any active warnings using `list_weather_alerts`. It synthesizes all that complex data into a single, actionable answer.

Tomorrow.io Gives You Predictive Environmental Data

Before this, predicting resource needs for farming meant looking at generic regional averages and hoping nothing unexpected happened in your specific field. Analyzing pollution risks required waiting until multiple agencies published reports—often hours apart.

Now, you can run `get_weather_forecast` on a hyper-local basis that matches your farm's coordinates. It's not just a general idea of rain; it tells you *when* and *how much*. Your decisions are guided by specific data points, not educated guesses.

Tomorrow.io: 5 Tools Available

Use these five specific tools to access everything from current temperature readings to long-term pollution analysis through your AI agent.

#	TOOL	DESCRIPTION
01	`get_air_quality`	Retrieves specific air pollution measurements and indices for a given location.
02	`list_weather_alerts`	Checks and provides a list of all active severe weather warnings in an area.
03	`get_weather_forecast`	Generates detailed future weather reports for any location over customizable timeframes.
04	`get_recent_history`	Pulls back a record of past weather conditions to help analyze long-term environmental patterns.
05	`get_realtime_weather`	Provides immediate, current readings for temperature, humidity, and wind speed at a location.

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 current weather in London?

Checking realtime data for London... It's currently 15°C with clear skies and a light breeze. Humidity is at 65%.

U Give me the hourly forecast for San Francisco.

Retrieving the hourly forecast for San Francisco... You can expect temperatures to range between 12°C and 18°C today, with some fog rolling in around 6 PM.

U How is the air quality in Beijing today?

Fetching air quality data for Beijing... The AQI is currently 120 (Unhealthy for Sensitive Groups), primarily due to PM2.5 levels. I recommend minimizing outdoor activities if you are sensitive.

Frequently Asked Questions

01 **How accurate is the Tomorrow.io MCP for severe weather alerts?**

The `list_weather_alerts` tool provides access to official and real-time warnings issued for specific geographic areas, ensuring you stay updated on dangerous conditions like tornados or floods.

02 **Can I use Tomorrow.io to check historical weather data?**

Yes. The `get_recent_history` tool lets you retrieve past environmental records for the last 24 hours, which is crucial for understanding long-term patterns and diagnosing problems.

03 **Does Tomorrow.io provide air quality data for multiple pollutants?**

The `get_air_quality` tool monitors overall pollution levels and indices (like AQI) based on key components such as PM2.5, helping you determine if the environment is safe for people or equipment.

04 **What if I need a forecast for next week using Tomorrow.io?**

While `get_weather_forecast` provides detailed predictions with customizable steps, always check the service documentation regarding the maximum lead time available for hyper-local data.

05 **Is the real-time weather data reliable enough for construction planning?**

The `get_realtime_weather` tool gives immediate readings on temperature and wind speed, which are critical inputs for safety assessments in construction and engineering fields.

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-extended": { "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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