MCP SERVER | NO CODE | CLOUD HOSTED

CrowdStrike Falcon MCP for AI Agents

Detecting Threats and Managing Endpoint Security Posture

CrowdStrike Falcon connects your AI client directly to one of the industry's top endpoint detection and response platforms. It lets you query telemetry, triage alerts, investigate security incidents, and manage Indicators of Compromise—all through natural conversation.

A+ Quality Score 100/100

endpoint-protection | threat-intelligence | edr | xdr | incident-response | cybersecurity

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vinkius.com/mcp/crowdstrike-falcon

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.

CrowdStrike Falcon MCP

8 tools available
Cloud-hosted on Vinkius

Security teams can now operate at machine speed. Instead of clicking through complex dashboards, your AI client handles the deep dive into threat data using plain language commands. You can ask for all critical detections from the past 24 hours or find out which specific endpoints are running outdated sensor versions. The platform lets you search device inventory, manage active security incidents, and even create custom Indicators of Compromise (IOCs) to block known threats. By connecting this MCP through Vinkius, your AI agent gains access to a full set of specialized tools that normally require deep knowledge of the CrowdStrike console. You use natural conversation to run complex queries and get immediate answers about threat posture.

Core Capabilities

01 — Querying detection alerts

Retrieve detailed information on security detections, filtering by severity, technique, or hostname.

02 — Updating detection status

Change the status of a detected threat and add triage comments for record-keeping.

03 — Searching device inventory

Get full details on any endpoint, including OS information and sensor versions.

04 — Investigating security incidents

List and investigate active security incidents, filtering by date range or severity level.

05 — Managing threat indicators

Create new custom Indicators of Compromise (IOCs) like hashes or domains, or list existing ones.

06 — Reviewing vulnerability data

Spotlight and query vulnerability information across all managed endpoints using specific criteria.

07 — Containing network devices

Isolate a compromised device from the network or lift containment as needed.

One Click on Vinkius — From Prompt to Execution

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

01 Connect your AI client to this MCP via Vinkius. You authenticate using your CrowdStrike Falcon tenant credentials.

02 Your agent accesses the available tools, allowing you to issue natural language commands like 'Show me all critical detections from last week.'

03 The MCP translates that request into specific platform calls, returns structured data, and presents actionable security summaries directly in your chat window.

The bottom line is, it takes complex, multi-step console investigations and boils them down to a single conversation thread.

Built For

This MCP is for security professionals who spend too much time clicking through dashboards. If you're an analyst tired of switching context between reports, or a CISO needing a quick, high-level threat posture summary, this is for you.

SOC Analyst

Triage new detections and manage incident alerts faster by querying detection alerts and updating their status directly through chat.

Security Engineer

Automate the lifecycle of threat intelligence; for example, listing IOCs and then creating new ones based on investigation findings.

CISO

Get quick summaries of fleet health by searching device inventory or reviewing vulnerability data to report overall risk posture.

What Changes When You Connect

01 Faster Incident Triage: You can query detection alerts, like 'CobaltStrike Beacon' activity, instantly and see the full MITRE ATT&CK mapping without leaving your chat.

02 Full Visibility on Devices: Use search hosts to get immediate details on device inventory, including OS info and sensor versions, helping identify compliance gaps.

03 Proactive Threat Blocking: You can create_ioc new Indicators of Compromise (IOCs) like specific hashes or domains as soon as they are identified, hardening your defenses fast.

04 Rapid Response Action: If a threat is found, you don't stop at detection. Use contain_device to immediately isolate the machine and prevent further damage.

05 Structured Incident Review: List incidents allows you to easily query all active security events by date range or severity, keeping track of high-priority issues.

Real-World Applications

Investigating a suspicious network connection

An agent queries the platform for all critical detections related to lateral movement. The response points to a specific device and provides enough detail that the analyst immediately uses contain_device to isolate it, stopping potential data exfiltration.

Threat hunting for specific malware families

A security engineer wants to check if any internal hosts have been targeted by known ransomware. They use list_iocs to pull in all relevant hashes and then query detections to see if the patterns match any active alerts.

Auditing endpoint compliance

An operations manager needs to know which devices are running outdated sensors. They query vulnerability data using list_vulnerabilities and get a clear count of endpoints needing urgent updates across the entire fleet.

Patterns to Avoid

Querying vague threat data

✗ AVOID

Asking 'What happened yesterday?' is too broad. The agent can't tell you what needs attention without filters, leading to massive, unreadable reports.

✓ INSTEAD

Be specific. Ask for detections using the list_detections tool and apply a filter like 'severity: critical AND hostname: DC-PROD-01'. This narrows the focus instantly.

Ignoring device health checks

✗ AVOID

Assuming all endpoints are covered when you just need to know which ones are actually reporting status.

✓ INSTEAD

Always run search_hosts first. It gives a full inventory and helps confirm if the sensor versions are up-to-date before starting an investigation.

Manually managing IOCs

✗ AVOID

Spending time copying hashes into other systems when you could keep them centralized.

✓ INSTEAD

Use the create_ioc tool to centralize threat intelligence. This ensures every team member queries the same, validated list of known bad indicators.

The Right Fit

You should use this MCP if your security process requires deep, context-aware investigation across multiple data points, such as correlating a detection alert with device inventory details or vulnerability status. This is ideal for incident response and proactive threat hunting. Don't use it if you simply need to check basic network connectivity; a simpler monitoring tool will suffice. If your primary job is just writing reports based on pre-compiled spreadsheets, this MCP might be overkill. However, if the core of your role involves real-time analysis, containment actions via contain_device, or rapid threat intelligence enrichment using create_ioc, then this connector saves massive amounts of time.

CrowdStrike Falcon and EDR: Automating Endpoint Threat Triage

Today, handling a major alert means jumping through hoops: checking the detection details in one tab, cross-referencing the affected machine's OS version in another, then manually searching for related IOCs. It’s copy-pasting data between 4 or 5 different consoles just to write a summary report.

With this MCP, you talk directly to your agent. You ask it about an alert, and it pulls together the detection details, device inventory, and vulnerability context into one answer. You get actionable threat summaries in real time.

CrowdStrike Falcon and Vulnerability Management: Improving Fleet Security

The manual process for checking fleet health involves running reports that are often outdated by the time they're generated. You have to manually compare vulnerability data against your internal policy lists, which is a slow, error-prone cycle.

Now, you can query vulnerability data directly through list_vulnerabilities using specific criteria like CVE or severity. Your agent gives you an immediate, filtered report of the riskiest endpoints right now.

8 Tools for CrowdStrike Falcon Endpoint Security Analysis

Use these tools to query detections, search hosts, list incidents, and perform real-time threat response actions within your agent's chat interface.

#	TOOL	DESCRIPTION
01	`list_detections`	Use FQL filter syntax for precision: severity, technique, hostname, etc. Returns detection details with MITRE ATT&CK mapping. Query detection alerts
02	`update_detection`	Optionally add a triage comment. Update detection status
03	`search_hosts`	Returns full device inventory details. Search endpoints
04	`list_incidents`	Filter by state, severity, assigned_to, or date range using FQL syntax. Query security incidents
05	`list_iocs`	Includes type, value, action, and metadata. List custom IOCs
06	`create_ioc`	Types: sha256, md5, domain, ipv4, ipv6. Create a custom IOC indicator.. Actions: default
07	`list_vulnerabilities`	Filter by CVE, severity, host, or remediation status. Query Spotlight vulnerabilities
08	`contain_device`	Contain or lift containment on a device.. Actions: default

See It in Action

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

U Show me all critical detections from the last 24 hours and tell me who should contain them.

Critical Detections (Last 24 Hours):

- `CobaltStrike Beacon` on WIN-SERVER-05 (Severity: Critical, MITRE T1059.001). **Action:** Immediate Containment Recommended.
- `Credential Dumping - LSASS` on DC-PROD-01 (Severity: Critical, MITRE T1003.001). **Action:** Investigate and Isolate.

Summary: The primary risk is lateral movement targeting domain controllers. I recommend running the `contain_device` action on DC-PROD-01 immediately.

U What's the overall health of our remote worker laptops?

Fleet Health Check: Remote Workers

- **Total Devices:** 987

Latest Sensor Version (v7.18): *920 devices (93%)* - Good.*
- **Outdated/Missing Sensors:** 67 devices (7%) - **URGENT UPDATE REQUIRED.**
- **Top Vulnerability:** Missing patch for CVE-2024-xxxx on 15 machines.

You need to prioritize patching the remote worker group.

U List any IOCs related to known phishing campaigns from this week.

IOC Report: Phishing Campaigns

I found 14 relevant Indicators of Compromise:

SHA256 Hashes: *7 hashes (e.g.,* `a1b2c3d4...` *)* - Action:* Detect
Domains: *4 domains (e.g.,* `bad-phishing.com` *)* - Action:* Block
IP Addresses: *3 IPs (Command & Control)* - Action:* Detect

These IOCs are ready to be added or updated in the system.

Frequently Asked Questions

01 **How does the CrowdStrike Falcon MCP help with day-to-day threat investigation?**

It turns complex, multi-step console investigations into a simple chat conversation. You can ask about an alert and get back not just the details, but also related device status, vulnerability information, and recommended actions like containment.

02 **Can I use the CrowdStrike Falcon MCP to manage my Indicators of Compromise?**

Yes. You can list existing IOCs to review what's active and create new ones—like known bad IP addresses or hashes—to immediately strengthen your defense posture.

03 **What if I need to check the overall compliance of my endpoints?**

You can use this MCP to search device inventory, giving you a clear view of all connected hosts. You can also query vulnerability data to pinpoint exactly which machines are running outdated or vulnerable software.

04 **Does connecting the CrowdStrike Falcon MCP mean I can stop threats?**

Absolutely. If an investigation shows a machine is compromised, you can use the contain_device tool through your agent to instantly isolate it from the network before the threat spreads.

05 **Is this useful for CISOs who need high-level summaries?**

Yes. You don't have to read every alert. The MCP allows you to query reports on security incidents or vulnerability data and get executive summaries that highlight the biggest risks immediately.

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 `"crowdstrike-falcon": { "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

CrowdStrike Falcon 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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