MCP SERVER | NO CODE | CLOUD HOSTED

Priority Score Calculator MCP

Turn messy task lists into ranked action plans.

Priority Score Calculator MCP lets your AI agent calculate exact task rankings by weighing importance against urgency. Instead of guessing what to do next, your agent uses mathematical scoring to decide which tasks need immediate attention and which can wait. It handles single calculations or processes entire lists at once.

A+ Quality Score 100/100

priority | calculation | task | scoring | workflow

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vinkius.com/en/ai-agent-connect/priority-score-calculator

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.

Priority Score Calculator MCP

4 tools available
Cloud-hosted on Vinkius

You can stop arguing with your AI about what matters most. This MCP gives your agent a mathematical framework to decide task order. By multiplying importance and urgency, it removes the guesswork from project management. You can hand a massive, unorganized list of to-dos to your AI client and have it return a perfectly ranked queue. It works by applying a consistent scoring logic to every item, ensuring that high-stakes, time-sensitive tasks always float to the top. Whether you are managing a single urgent request or a backlog of hundreds of tickets, this tool provides the logic needed to keep your workflow objective and predictable.

Core Capabilities

01 — Mathematical Task Ranking

Your agent uses multiplication to weigh importance against urgency.

02 — Bulk Processing

The agent can score an entire backlog of tasks in one go.

03 — Direct Comparison

Your agent can decide which of two tasks takes precedence.

04 — Score Validation

The agent checks that all scores stay within your required bounds.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/en/ai-agent-connect/priority-score-calculator** — connect your AI agent in three steps.

01 Connect the MCP to your client like Claude or Cursor via Vinkius.

02 Provide your agent with a list of tasks and their importance/urgency levels.

03 The agent calls the calculation tools to generate scores.

04 The agent presents you with a ranked list of what to do next.

Connecting this MCP to your AI client gives it immediate access to priority math.

Built For

This is for anyone managing complex task lists who wants their AI to handle the prioritization logic.

Project Managers

Hand off messy project backlogs to the AI to get a ranked execution list.

Software Engineers

Let your agent prioritize bug fixes and feature requests based on severity and deadline.

Operations Leads

Use the agent to sort through daily operational tasks by urgency.

What Changes When You Connect

01	Removes subjective bias from task ordering.
02	Processes large task lists instantly.
03	Provides a consistent scoring logic for every task.
04	Enables your agent to make autonomous scheduling decisions.

Real-World Applications

Backlog Grooming

Give your agent a list of 50 Jira tickets and have it rank them by priority score.

Daily Planning

Have your agent look at your calendar and task list to decide what to work on first.

Conflict Resolution

Ask your agent to decide between two competing deadlines using the comparison tool.

Data Validation

Ensure that automated scoring systems are producing values within your allowed range.

Patterns to Avoid

Manual Priority Guessing

AVOID

You tell your agent to just pick what looks important from a list of fifty tickets.

✓ INSTEAD

Use batch_calculate_scores to apply consistent math to the entire list at once.

Ignoring Score Limits

AVOID

Your agent generates a priority value that breaks your existing project management software.

✓ INSTEAD

Run the result through validate_score_range to ensure it stays within your required bounds.

Vague Task Ordering

AVOID

You ask your agent which task to do first without providing specific urgency or importance metrics.

✓ INSTEAD

Use calculate_priority_score to get a concrete number for each task based on your inputs.

The Right Fit

Connect this MCP if you manage large, messy backlogs and want your agent to make objective scheduling decisions. Do not connect it if your task list is small enough to manage manually or if you prefer purely qualitative prioritization. The deciding factor is whether you need a mathematical framework to remove human bias from your queue.

Priority Score Calculator: 4 Essential Tools

These tools provide the mathematical logic your agent needs to rank, compare, and validate task importance.

#	TOOL	DESCRIPTION
01	`calculate_priority_score`	This tool calculates a single priority score for one specific task. It uses the importance and urgency inputs to find the final value.
02	`compare_task_priorities`	This tool compares two different tasks. It tells your agent which one has the higher priority score.
03	`validate_score_range`	This tool checks if a score stays within your defined limits. It ensures the calculated values are valid for your system.
04	`batch_calculate_scores`	This tool processes a whole list of tasks at once. It calculates priority scores for multiple items in a single operation.

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 priority score for a task with importance 5 and urgency 3?

The priority score is 15.

U Compare two tasks: Task A has a score of 10 and Task B has a score of 12.

Task B has a higher priority score of 12.

U Is a score of 50 valid if the maximum limit is 40?

No, the score is not valid.

Frequently Asked Questions

01 **How does the priority score get calculated?**

The score is determined by multiplying the importance value by the urgency value.

02 **Can I process multiple tasks at once?**

Yes, you can use the batch calculation tool to score a whole list of tasks simultaneously.

03 **How do I use this with Claude or Cursor?**

You connect to the MCP through the Vinkius platform, which hosts and manages the connection for you.

04 **Does this MCP require any setup?**

No, Vinkius hosts the MCP, so you just connect your client and start using the tools.

05 **Can the AI compare two specific tasks?**

Yes, the comparison tool allows your agent to determine which of two tasks has a higher priority.

06 **How is the priority score calculated?**

The priority score is the product of the importance score and the urgency score.

07 **Can I calculate scores for multiple tasks at once?**

Yes, you can use the `batch_calculate_scores` tool to process a list of tasks simultaneously.

08 **How do I validate if a score is within a specific range?**

You can use the `validate_score_range` tool to check if a score is within the defined limits.

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 `"priority-score-calculator": { "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

Priority Score Calculator 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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