

M C P S E R V E R

N O C O D E

C L O U D H O S T E D

Bill Due Date Calculator MCP

Get exact invoice maturity dates using your AI agent.

Bill Due Date Calculator MCP lets your AI client handle complex payment math. Instead of manual calculations, your agent uses this MCP to pull valid payment terms, check if a term fits a specific date, and output precise due dates for any invoice.

A+ Quality Score 100/100

invoice

payment-terms

due-date

accounting

finance



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.

Bill Due Date Calculator MCP

4 tools available

Cloud-hosted on Vinkius

Managing accounts receivable shouldn't involve manual date math. This MCP gives your AI agent a precise calculation engine to handle invoice maturity. You can connect this to your preferred MCP-compatible client to automate how you process billing cycles. Your agent can look up the full catalog of available payment windows using `list_available_terms` to ensure it's using the right logic. If you need to verify a specific rule, `get_term_details` provides the necessary context. You can also use `validate_term_application` to make sure a specific term actually works for the date on an invoice before you commit to it. Once everything is verified, `calculate_due_date` provides the final, accurate maturity date. It's a way to move billing logic out of your head and into your agent's workflow.

Core Capabilities

01 — Automated Maturity Math

Your agent uses this to find exact due dates without manual calendar counting.

02 — Term Verification

The agent checks if a payment term is valid for a specific date before processing.

03 — Catalog Access

Your agent can browse all available payment terms to find the right one for a client.

04 — Rule Inspection

The agent retrieves specific logic for individual payment terms to ensure accuracy.

One Click on Vinkius — From Prompt to Execution

Available at vinkius.com/en/ai-agent-connect/bill-due-date-calculator — connect your AI agent in three steps.

- 01 Connect the MCP to your client like Claude or Cursor through Vinkius.
- 02 Provide your agent with invoice details and the desired payment term.
- 03 The agent uses the tools to validate the term and calculate the date.
- 04 The agent returns the precise due date for your records.

Connecting this MCP to your AI client gives your agent immediate access to your billing logic.

Built For

This MCP is built for professionals who manage high volumes of invoices and need to automate billing logic.

Accounts Receivable Clerks

They hand off invoice processing and date verification to their AI agent.

Bookkeepers

They use the agent to ensure payment terms are applied correctly across client accounts.

Finance Managers

They use the agent to audit payment windows and ensure consistency in billing cycles.

What Changes When You Connect

- 01 Removes manual calculation errors from the billing process.
- 02 Centralizes payment term logic within your AI agent.
- 03 Provides instant verification of term validity against invoice dates.

04 Enables automated invoice scheduling via any compatible client.

Real-World Applications

Invoice Processing

Your agent calculates due dates as soon as you upload or describe a new invoice.

Audit Compliance

Use the agent to validate that applied terms match the intended company policy.

Cash Flow Forecasting

The agent uses calculated due dates to help you map out expected incoming payments.

Client Onboarding

Quickly check which available terms can be applied to a new customer's first invoice.

Patterns to Avoid

Manual Date Math

❌ AVOID

You try to manually calculate a due date in a chat window and hope your agent doesn't hallucinate the calendar math.

✓ INSTEAD

Let the agent handle the math directly by using `calculate_due_date` for every invoice.

Blind Term Application

❌ AVOID

You tell your agent to apply a standard 30-day term to an invoice without checking if that term is actually valid for the current date.

✓ INSTEAD

Run `validate_term_application` first to ensure the term works for that specific invoice date.

Guessing Available Terms

❌ AVOID

You ask your agent to use a specific payment window that you think exists, but it isn't in your current policy.

✓ INSTEAD

Use `list_available_terms` to see exactly which payment windows your agent can actually use.

The Right Fit

Connect this MCP if your team processes high volumes of invoices and needs to eliminate manual calculation errors. If you only handle a handful of invoices a month, you don't need this. The deciding factor is whether your billing logic is currently living in people's heads instead of a digital system.

Bill Due Date Calculator: 4 Precision Tools

These tools handle the heavy lifting of invoice maturity math and payment term verification.

#	TOOL	DESCRIPTION
01	calculate_due_date	This tool calculates the exact maturity date for an invoice based on its specific payment terms.
02	get_term_details	Use this to pull the specific rules and logic behind a single payment term.
03	list_available_terms	This tool returns a list of all valid payment terms currently in the system.
04	validate_term_application	This tool checks if a chosen payment term is logically valid for a specific invoice date.

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 due date for an invoice issued on 2024-05-01 with Net 30 terms?



The due date for the invoice is 2024-05-31.

U List all the available payment terms.



The available terms are: Net 30, Net 60, and Due on Receipt.

U What are the details for the term with ID 'net_60'?



The 'net_60' term allows for 60 days before payment is due.

Frequently Asked Questions

01 How do I use this MCP with my AI client?

You connect once through the Vinkius platform. Once connected, your agent in Claude, Cursor, or Windsurf can immediately call the tools.

02 Can the agent check if a term is valid for a specific date?

Yes. The agent uses the `validate_term_application` tool to ensure a term is logically sound for a given date.

03 What kind of payment terms can I use?

The agent can access any terms listed in the catalog using the `list_available_terms` tool.

04 Does this replace my accounting software?

No. This MCP acts as a precision calculation engine that your agent uses to handle the math and logic for your existing workflows.

05 Do I need to host this myself?

No. Vinkius hosts and manages the MCP for you, so it is ready to use as soon as you connect.

06 How do I know which terms are available?

You can use the `list\_available\_terms` tool to retrieve a complete list of all valid term identifiers and their descriptions.

07 Can I verify if a term is valid for a specific date?

Yes, the `validate\_term\_application` tool checks if a specific term can be logically applied to a given invoice date.

08 What format should the invoice date be in?

The invoice date must be provided in ISO 8601 format.

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>"bill-due-date-calculator": { "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

Bill Due Date 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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