

MCP SERVER

NO CODE

CLOUD HOSTED

# DNSSimple MCP for AI Agents

## Configure Domain DNS Records and Manage Zone Settings

DNSSimple connects domain infrastructure and DNS management directly into your AI agent. It lets you manage domains, control DNSSEC settings, create records, and handle email forwarding without leaving your chat interface. Use it to automate complex tasks like certificate renewals and full domain life cycle management.

**F** Quality Score 11.43/100

dns-management

domain-registration

dnssec

automation

infrastructure-as-code



# 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

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## 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

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## 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

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## 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](https://cloud.vinkius.com) — connect your AI agent in under 60 seconds.

# DNSSimple MCP

77 tools available

Cloud-hosted on Vinkius

Managing a modern digital presence means keeping track of everything from basic domain records to advanced security protocols. This MCP lets you talk to your entire DNS infrastructure using natural language. Need to check if a new domain is available? Done. Want to update zone records or enable cryptographic security with DNSSEC? Your agent handles it, just like that.

Whether you're building out a new site or auditing existing accounts, you can manage the full lifecycle of your domains—from listing all zones and contacts to creating webhooks and setting up email forwarding rules. It's designed for technical users who need precision and speed. By connecting this MCP through Vinkius, your AI client acts as a specialized DevOps assistant, giving you direct control over complex DNS operations right where you work.

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## Core Capabilities

### 01 — Domain Lifecycle Management

You can check if domains are available, create new ones in an account, or delete existing domains.

### 03 — Security & Certificate Control

Enable or disable DNSSEC for any domain, issue Let's Encrypt certificates, and download existing certificates when needed.

### 05 — Communication Flow Management

List, create, or delete email forwarding rules to control where incoming mail is routed.

### 02 — DNS Record Configuration and Auditing

Manage zone records by retrieving them, creating new entries, batch-changing records across zones, or deleting specific records.

### 04 — DNS Delegation and Transfer

Change name servers for a domain or authorize the transfer of a domain out of your account.

### 06 — Account and Resource Auditing

Quickly list all accessible accounts, zones, contacts, or billing charges across the entire DNSSimple setup.

# One Click on Vinkius — From Prompt to Execution

Available at [vinkius.com/mcp/dnsimple](https://vinkius.com/mcp/dnsimple) — connect your AI agent in three steps.

- 01 Subscribe to this MCP on Vinkius and provide your unique DNSimple API Token.
- 02 Connect your preferred AI client (like Claude or Cursor) using the tokenized connection.
- 03 Ask your agent a plain language question—for example, 'Enable DNSSEC for my new website'—and watch it execute the complex operation.

The bottom line is: you skip the dashboard and talk directly to your entire domain infrastructure through your AI client.

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## Built For

This MCP is for DevOps Engineers who need to automate domain provisioning, Web Developers managing site deployments, or IT Administrators needing to audit multiple accounts quickly. If you spend time clicking between a DNS console and a ticket system, this is for you.

### DevOps Engineer

Automating domain provisioning and setting up complex DNSSEC configurations without manual dashboard steps.

### Web Developer

Checking domain status, updating zone records, or managing email forwards while working in their IDE or chat environment.

### IT Administrator

Auditing multiple client accounts and listing domains across different organizational units efficiently to ensure compliance.

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## What Changes When You Connect

- 01 Manage domain registration, from checking availability to renewing domains like 'renew\_domain' or 'register\_domain', all in one chat session.

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- 02 Simplify security auditing by instantly listing credentials using tools like 'list\_certificates' and enabling cryptographic protection with 'enable\_dnssec'.

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  - 03 Automate communication routing; instead of logging into multiple panels, your agent can list, create, or delete email forwards using 'list\_email\_forwards' or 'create\_email\_forward'.

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  - 04 Handle full infrastructure updates by batch-changing zone records across multiple zones with the 'batch\_change\_zone\_records' tool.

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  - 05 Improve visibility into complex data structures; easily list all domains, contacts, and accounts using tools like 'list\_domains' or 'list\_accounts'.
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## Real-World Applications

### **A new client needs a secure website setup.**

The agent first runs 'check\_domain\_availability' to find an open name. Then, it automatically registers the domain ('register\_domain'), issues a Let's Encrypt certificate ('issue\_letsencrypt\_certificate'), and finally enables DNSSEC for maximum security.

### **A company is migrating its email infrastructure.**

The user instructs the agent to retrieve all current rules ('list\_email\_forwards'). The agent reviews them, then creates new forwarding rules ('create\_email\_forward') for the updated domains.

### **An existing site needs its records updated across multiple zones.**

Instead of making changes zone by zone, the user asks the agent to 'batch\_change\_zone\_records' using a template. The system applies the update consistently and confirms the change.

### **An old domain is expiring and needs immediate action.**

The user asks to renew a lapsed name. The agent first checks if auto-renewal is needed, then runs 'renew\_domain' or 'restore\_domain', ensuring the site stays online without human intervention.

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# Patterns to Avoid

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## Manually updating records one by one

### X AVOID

Going into the dashboard to change an A record, then logging out and repeating the process for a CNAME record on another zone.

### ✓ INSTEAD

Use 'batch\_change\_zone\_records' through your agent. You give it the list of changes once, and it applies them all at once.

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## Forgetting to secure a new domain

### X AVOID

Registering a brand-new domain without remembering to enable DNSSEC or ordering a certificate.

### ✓ INSTEAD

After creating the domain, immediately run 'enable\_dnssec' and use 'issue\_letsencrypt\_certificate'. Your agent makes sure you don't skip steps.

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## Confusing record types

### X AVOID

Trying to update a CNAME record using the method for an A record, leading to API errors.

### ✓ INSTEAD

Use 'get\_zone\_record' to check the exact type first. Then use 'update\_zone\_record', specifying both the correct record type and the new value.

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## The Right Fit

Use this MCP if your workflow involves routine, high-volume manipulation of domain records, certificates, or DNS settings. It excels when you need to perform complex audit tasks, like comparing 'list\_zone\_records' against a template before applying changes with 'update\_zone\_record'. However, don't use it if your core problem is account billing management; for that, you should only rely on the 'list\_billing\_charges' tool. Also, remember this MCP manages infrastructure data, not content—if you need to change the actual website text or images, you need a CMS integration, not just DNSimple.

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## DNSimple and Domain Name Management via AI Agents

Right now, managing domain records feels like juggling multiple tabs. You open the dashboard to check if your certificate is due for renewal, then click over to another section just to see if DNSSEC is properly enabled. This constant switching wastes time and makes it easy to miss a critical security step or forget which record type belongs where.

With this MCP, you simply tell your agent what you need done—'Check the status of the SSL certificate for example.com.' The agent handles all the internal lookups, running necessary checks like 'get\_certificate' and reporting back only the clear answer you need.

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## DNSimple and Zone Record Configuration with AI Agents

Manually updating zone records is a nightmare. You might have to check if the record already exists, then figure out if you need to delete it first before creating the new one. It's a sequence of reads, deletes, and writes that requires extreme focus.

Now, your agent handles the whole process. You tell it 'Update the primary CNAME record for my main site.' The system runs through all necessary steps—like checking current records with 'get\_zone\_record' first—and applies the change using a single command.

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# DNSimple 35+ Tools for Advanced DNS Record Management

Use these tools to programmatically list, create, update, delete, and audit every aspect of your domain's infrastructure.

#	TOOL	DESCRIPTION
01	<code>issue_letsencrypt_renewal</code>	Requests the renewal of a Let's Encrypt security certificate for an active domain.
02	<code>list_accounts</code>	Retrieves a list of all accounts that your current API token has access to.
03	<code>list_billing_charges</code>	Shows the billing charges associated with a specific account ID.
04	<code>list_certificates</code>	Lists all active security certificates tied to a given domain name.
05	<code>list_contacts</code>	Retrieves a list of contacts saved within an account.
06	<code>list_domains</code>	Lists all domains registered and managed under the authenticated account.
07	<code>list_ds_records</code>	Shows Delegation Signer (DS) records for a specific domain, used in advanced DNS chains.
08	<code>list_email_forwards</code>	Retrieves all configured email forwarding rules for a given domain.
09	<code>list_pending_pushes</code>	Shows if there are any pending updates or pushes waiting for acceptance on domains.
10	<code>list_services</code>	Lists available services offered within the DNSimple platform context.
11	<code>list_templates</code>	Retrieves a list of reusable templates stored in an account.
12	<code>list_tlds</code>	Lists all Top-Level Domains (TLDs) supported by the platform.
13	<code>list_webhooks</code>	Retrieves a list of webhooks set up to notify other services when events happen.
14	<code>list_zone_records</code>	Lists all types of records (A, CNAME, TXT, etc.) within a specified zone file.
15	<code>list_zones</code>	Retrieves a list of all DNS zones managed by the account.

#	TOOL	DESCRIPTION
16	<code>order_letsencrypt_certificate</code>	Initiates the process to order a new Let's Encrypt certificate for a domain.
17	<code>accept_push</code>	Accepts pending updates or pushes related to a domain push request.
18	<code>activate_zone_dns</code>	Activates DNS services for an existing zone so it starts resolving.
19	<code>authorize_transfer_out</code>	Authorizes the transfer of a domain out to another registrar or service.
20	<code>batch_change_zone_records</code>	Modifies multiple zone records across different zones in one operation.
21	<code>change_domain_delegation</code>	Updates the name servers for a domain to point to different authoritative sources.
22	<code>check_domain_availability</code>	Checks if a desired domain name is currently available for registration or use.
23	<code>check_zone_distribution</code>	Verifies how the zone's DNS records are distributed across various points of presence.
24	<code>check_zone_record_distribution</code>	Checks the distribution and status of specific zone records globally.
25	<code>create_contact</code>	Creates a new contact profile within an account, storing relevant details.
26	<code>create_domain</code>	Registers and creates a brand-new domain name under the current account.
27	<code>create_ds_record</code>	Creates a Delegation Signer (DS) record for a specified domain to enhance security.
28	<code>create_email_forward</code>	Establishes a new rule that redirects incoming emails from one address to another.
29	<code>create_template</code>	Generates and saves a reusable template for future record creation or configuration.
30	<code>create_webhook</code>	Sets up a webhook URL that triggers notifications when specific events occur.
31	<code>create_zone_record</code>	Creates a new, single record (like an A or CNAME) in a specified zone file.
32	<code>deactivate_zone_dns</code>	Temporarily disables DNS resolution for a specific zone.

#	TOOL	DESCRIPTION
33	<code>dedelegate_from_vanity</code>	Removes name server delegation from vanity or default servers.
34	<code>delegate_to_vanity</code>	Sets up name server delegation to specific vanity servers.
35	<code>delete_contact</code>	Permanently removes a contact profile from the account.
36	<code>delete_domain</code>	Deletes an existing domain name managed within the account.
37	<code>delete_ds_record</code>	Removes a specific Delegation Signer record from a domain's settings.
38	<code>delete_email_forward</code>	Deletes an existing email forwarding rule for a domain.
39	<code>delete_template</code>	Removes a reusable template that was previously created.
40	<code>delete_webhook</code>	Deletes an active webhook notification endpoint.
41	<code>delete_zone_record</code>	Removes a single, specified record from a zone file.
42	<code>disable_auto_renewal</code>	Stops the automatic renewal process for a domain's registration period.
43	<code>disable_dnssec</code>	Turns off DNSSEC security features for a particular domain.
44	<code>disable_whois_privacy</code>	Disables the privacy protection layer for WHOIS lookups on a domain.
45	<code>download_certificate</code>	Downloads the actual security certificate file associated with a domain.
46	<code>enable_auto_renewal</code>	Turns back on the automatic renewal process for a domain's registration period.
47	<code>enable_dnssec</code>	Activates DNSSEC security features for a particular domain name.
48	<code>enable_whois_privacy</code>	Turns on the privacy protection layer for WHOIS lookups on a domain.
49	<code>get_certificate_private_key</code>	Retrieves the private key associated with an existing certificate file.
50	<code>get_certificate</code>	Downloads or retrieves a copy of a domain's active security certificate.
51	<code>get_contact</code>	Retrieves the full details for a specific contact profile.

#	TOOL	DESCRIPTION
52	<code>get_dnssec</code>	Checks and reports the current DNSSEC status (enabled or disabled) for a domain.
53	<code>get_domain_delegation</code>	Retrieves the list of name servers currently assigned to a domain.
54	<code>get_domain_prices</code>	Fetches pricing information for registering or managing domains.
55	<code>get_domain</code>	Retrieves all metadata and details about a specific domain name.
56	<code>get_ds_record</code>	Retrieves the current Delegation Signer record for a given domain.
57	<code>get_email_forward</code>	Retrieves all detailed information about an existing email forwarding rule.
58	<code>get_service</code>	Retrieves the full details for a listed service within the account.
59	<code>get_template</code>	Retrieves all content and parameters of a saved template.
60	<code>get_tld_extended_attributes</code>	Retrieves extra attributes for any specific Top-Level Domain (TLD).
61	<code>get_tld</code>	Retrieves general information about a specified TLD.
62	<code>get_webhook</code>	Retrieves all settings and details for an active webhook notification.
63	<code>get_whoami</code>	Provides detailed information about the identity of the user making the API call.
64	<code>get_zone_file</code>	Downloads the complete, raw zone file containing all records for a domain.
65	<code>get_zone_record</code>	Retrieves the specific data and type of an individual record within a zone.
66	<code>get_zone</code>	Retrieves all high-level metadata about an entire DNS zone.
67	<code>initiate_push</code>	Starts the process of pushing updates or changes to a domain's records.
68	<code>issue_letsencrypt_certificate</code>	Requests and issues a new Let's Encrypt security certificate for a specified domain.
69	<code>order_letsencrypt_renewal</code>	Orders the renewal of an existing Let's Encrypt certificate, ensuring continuous coverage.

#	TOOL	DESCRIPTION
70	register_domain	Registers a brand new domain name that is currently available for purchase.
71	reject_push	Declines or rejects an incoming domain push notification, requiring manual intervention.
72	renew_domain	Renews the registration period for a domain name to prevent expiration.
73	restore_domain	Restores a domain that has expired or been otherwise deactivated.
74	transfer_domain	Initiates the process of transferring an existing domain from another registrar.
75	update_contact	Modifies the details of a specific contact profile within the account.
76	update_template	Makes changes to an existing reusable template before it's used for record creation.
77	update_zone_record	Modifies the content or type of a specific zone record already in place.

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## See It in Action

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

**U** We need to add a new CNAME record for our staging environment.



**Success.** The CNAME record 'staging.example.com' has been created and points correctly to `cname.hostingprovider.net`.

**Details:**

- **Record Type:** CNAME
- **Name:** staging.example.com
- **Target:** cname.hostingprovider.net
- **Status:** Active (TTL: 3600 seconds)

The change is live now.

**U** What are my domain name servers for account 987?



I checked the delegation status for your domains. Here's what I found:

DOMAIN	CURRENT NAME SERVERS
example.com	ns1.mycompany.net, ns2.mycompany.net
test-site.org	ns3.otherhost.com

Do you need me to change any of these nameservers?

**U** Our email forwarding seems broken for support@example.com



**Found the Issue.** I checked your rules and see that the rule set up for `support@example.com` is currently pointing to an invalid address ( `old-server.net` ).

I've deleted that rule and created a new one directing traffic to `helpdesk@newcompany.com`. Please confirm if this looks right.

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# Frequently Asked Questions

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**01 How do I use the DNSimple MCP for AI Agents to update my records?**

You just ask your agent directly what you need done—for example, 'Change the A record for www.example.com.' The agent handles the complex API calls and makes sure the change is applied correctly.

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**02 Can I use the DNSimple MCP for AI Agents to manage multiple domains?**

Yes. You can list all your domains with a single request, allowing you to audit or apply changes across different zones simultaneously from one place.

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**03 What if my domain expires? Can the DNSimple MCP for AI Agents help renew it?**

Absolutely. You can tell your agent to run 'renew\_domain' on an expiring name, preventing downtime and keeping your site live without manual steps.

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**04 Does this MCP handle SSL certificate renewals? Is that part of the DNSimple MCP for AI Agents?**

Yes. The agent can check for expired certificates using 'list\_certificates' and automatically issue new ones with a single command, keeping your site secure.

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**05 Is this tool better than just using my registrar's dashboard?**

It's faster and more repeatable. You get an audit trail in chat instead of digging through logs, and you can automate multi-step processes that would take hours manually.

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**06 How do I set up email forwarding using the DNSimple MCP for AI Agents?**

You simply ask your agent to 'Set up an alias' or 'Create a forward.' It handles listing current rules and establishing the new redirect rule instantly.

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# Go Live in 60 Seconds

Get your connection token from [cloud.vinkius.com](https://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 `"dnssimple": { "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

# DNSimple 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](https://cloud.vinkius.com) →

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