MCP SERVER | NO CODE | CLOUD HOSTED

Craft Project Design Brief MCP

Turn raw creative ideas into actionable production plans.

Craft Project Design Brief MCP acts as a structured planning engine for makers and designers. It helps you move from a vague concept to a professional design specification, a concrete execution schedule, and a final handoff plan. Your AI client uses these tools to organize your creative workflow and ensure your finished work meets your original goals.

A+ Quality Score 100/100

design | crafting | planning | project-management | creativity

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vinkius.com/en/ai-agent-connect/craft-project-design-brief

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.

Craft Project Design Brief MCP

5 tools available
Cloud-hosted on Vinkius

You have an idea for a physical object or a design project, but the gap between that thought and a finished product feels massive. This MCP bridges that gap. Instead of staring at a blank page, you give your AI client your rough thoughts, and it builds the technical framework you need to actually start building.

You can use it to refine a messy concept into a single, actionable direction. Once you know what you're making, the MCP helps you break the work down into specific time-bound blocks so you don't run out of time or materials. It also provides a way to judge your progress objectively, ensuring you don't drift away from your original intent. When the work is done, it handles the logistics of preparing the item for its final destination. It's a way to keep your creative process disciplined and organized from the first sketch to the final handoff.

Core Capabilities

01 — Concept Refinement

Your agent uses this to pick one clear direction from several competing ideas.

02 — Technical Specification

Your AI client converts your verbal descriptions into formal design briefs.

03 — Time Management

The MCP divides your total available time into specific, actionable work sessions.

04 — Quality Control

Your agent generates frameworks to check if the finished product matches the original goal.

05 — Project Handoff

The tool creates instructions for preparing and presenting the final product.

One Click on Vinkius — From Prompt to Execution

Available at **vinkius.com/en/ai-agent-connect/craft-project-design-brief** — connect your AI agent in three steps.

01 Connect the MCP to Claude, Cursor, or Windsurf via Vinkius.

02 Describe your creative idea or intention to your AI client.

03 Use the tools to generate briefs, schedules, or quality checks.

04 Execute your work based on the structured plans provided.

Get your creative workflow running in minutes by connecting to your favorite AI client.

Built For

This MCP is built for makers, designers, and creators who need to turn abstract ideas into physical or digital realities.

Woodworkers

They hand off material lists and joinery requirements to the AI for planning.

Potters

They use the MCP to schedule specific stages of the throwing and firing process.

Industrial Designers

They use the tools to generate professional specifications from initial sketches.

What Changes When You Connect

01 Reduces the mental load of breaking down large projects into small tasks.

02 Prevents project drift by providing objective quality benchmarks.

03 Ensures work stays within time constraints through structured session planning.

04 Standardizes the transition from idea to technical specification.

Real-World Applications

Furniture Making

A carpenter uses the design brief tool to turn a sketch into a list of materials and techniques.

Ceramics Production

A potter uses session planning to manage a limited window of studio time.

Gift Crafting

A hobbyist uses the handoff tool to figure out how to package a handmade item for a recipient.

Creative Decision Making

A designer uses the concept finalization tool to stop overthinking and start building.

Patterns to Avoid

Overcomplicating the initial concept

AVOID

You try to build a full technical spec while you still have five different competing ideas for a chair design.

✓ INSTEAD

Use tool_finalize_concept first to pick one direction before you start writing detailed specifications.

Ignoring time constraints

AVOID

You start a large woodworking project without knowing how many hours you actually have in the shop this week.

✓ INSTEAD

Run tool_plan_making_sessions to divide your available time into specific, manageable work blocks.

Losing sight of the original goal

AVOID

Halfway through a ceramic piece, you realize the shape has drifted far from what you originally intended.

✓ INSTEAD

Generate a way to check your progress using tool_generate_quality_framework to ensure you stay on track.

The Right Fit

Connect this MCP if you are a maker or designer who struggles to move from a rough sketch to a finished object. Do not connect it if you are looking for a tool to automate the physical act of building. The decision depends on whether you need a structured technical framework to guide your manual work.

Craft Project Design Brief MCP Tools

These tools turn messy creative thoughts into structured technical plans and actionable work schedules.

#	TOOL	DESCRIPTION
01	`tool_create_handoff_plan`	This tool prepares your finished item for its final destination. It generates instructions for cleaning, packaging, or presenting the completed work.
02	`tool_finalize_concept`	This tool narrows down multiple creative directions into one single, actionable path. Use it when you have too many ideas and need to pick a winner.
03	`tool_generate_design_brief`	This tool transforms your raw, unorganized intentions into a professional design specification. It turns a rough idea into a technical document.
04	`tool_generate_quality_framework`	This tool creates a way to objectively judge your work against your initial goals. It provides the criteria you need to verify your project is successful.
05	`tool_plan_making_sessions`	This tool breaks your creation process into manageable, time-bound work blocks. It ensures your total work time stays within your available schedule.

See It in Action

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

U I want to make a minimalist walnut jewelry box for a wedding gift. I have basic woodworking skills and want to prioritize aesthetics.

Design Brief: Minimalist Walnut Jewelry Box. Focus: High Aesthetic Integrity. Materials: Walnut wood, brushed brass accents. Technique: Precision joinery and fine sanding.

U Help me plan my making sessions for a pottery project. I have 4 hours total and each session should be 1 hour.

Session 1: Clay preparation and centering. Session 2: Shaping the vessel. Session 3: Trimming and refining. Session 4: Final surface smoothing.

U I've finished my project. How should I present it?

Since you have confirmed the quality, here are your handoff instructions: Clean the surface thoroughly, wrap in acid-free tissue paper, and place in a custom-fitted presentation box.

Frequently Asked Questions

01 **What AI clients can I use with this MCP?**

You can use this MCP with any compatible client, including Claude, Cursor, Windsurf, and VS Code.

02 **Do I need to host the MCP myself?**

No. Vinkius hosts and manages the MCP for you. You just connect your client and start using the tools.

03 **Can I use this for digital design projects?**

Yes. While the examples focus on physical crafts, the design brief and planning tools work for any structured creative project.

04 **How does the session planning work?**

You tell the MCP how much total time you have, and it uses the tool_plan_making_sessions to divide that time into specific work blocks.

05 **Is there a way to check if my project is good?**

Yes. You can use tool_generate_quality_framework to create a set of objective criteria to judge your work against your original goals.

06 **How do I start a new project?**

You should begin by using the `tool_generate_design_brief` tool, providing your intended item and priority weights.

07 **Can I adjust my project plan if I run out of time?**

Yes, you can use `tool_plan_making_sessions` to re-calculate your work blocks based on your updated `totalAvailableTime`.

08 **How do I know if my project meets my quality standards?**

Use the `tool_generate_quality_framework` to receive a structured checklist of questions designed to evaluate your work against your original design brief.

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 `"craft-project-design-brief": { "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

Craft Project Design Brief 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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