

OmniCortex Web Dashboard

User Guide

The OmniCortex Dashboard is a visual interface for browsing, searching, and managing your memories. Built with Vue 3 and FastAPI, it provides real-time updates and powerful analytics.

Quick Start

omni-cortex-dashboard
Opens at <http://localhost:8765>

Key Features

Core Features	Data Management
<ul style="list-style-type: none">• 6 Feature Tabs• Real-time WebSocket updates• Project switching• Dark/Light theme support	<ul style="list-style-type: none">• Export to JSON, Markdown, CSV• Bulk status updates• Memory editing & deletion• Advanced filtering

Dashboard Tabs Overview

Tab	Icon	Purpose
Memories	Database	Browse, search, filter, and edit memories
Activity	History	View complete audit trail of tool usage
Statistics	BarChart	Analytics: heatmaps, charts, distributions
Review	RefreshCw	Mark stale memories as fresh/outdated/archived

Graph	Network	Visualize memory relationships with D3.js
Ask AI	MessageSquare	Natural language queries (requires Gemini API)

Memories Tab

The Memory Browser is the primary interface for viewing and managing your stored knowledge.

- **Infinite Scroll** - Loads 50+ memories at a time as you scroll
- **Advanced Filtering** - Filter by type, status, tags, importance range
- **Sorting Options** - Sort by last accessed, created date, importance, access count
- **Full-text Search** - Search in content and context with highlighting
- **Detail Panel** - Right sidebar shows full memory with edit/delete options
- **Export Options** - Copy as Markdown or download as JSON

Activity Tab

Complete audit trail of every tool call made during your sessions.

- **Event Type Filter** - pre_tool_use, post_tool_use, decision, observation
- **Tool Filter** - Filter by specific tool name
- **Status Indicators** - Success/failure badges with error messages
- **Timing Info** - Duration in ms/seconds, exact timestamps
- **Date Grouping** - Activities grouped chronologically by date
- **Expandable Rows** - Click to view full JSON input/output with copy button
- **MCP Badges** - Shows which MCP server handled the tool call
- **Command/Skill Tags** - Visual badges for slash commands and skills

Activity Stats: Total activities | Success count | Failed count

Statistics Tab

Comprehensive analytics and visualizations for your memory data.

Chart	Description
Overview Cards	Total memories, average importance, total views
Type Distribution	Horizontal bar chart showing memories per type
Status Distribution	Progress bars for fresh/needs_review/outdated/archived
Top Tags	Top 15 tags with usage counts (clickable)
Activity Heatmap	90-day GitHub-style calendar visualization
Tool Usage Chart	Top 10 tools with success rate indicators
Memory Growth	30-day line chart: cumulative + daily new

Command & Skill Analytics (v1.3.0+)

Track slash command and skill usage patterns with scope differentiation.

Chart	Description
Command Usage	Bar chart: slash commands by usage count, filterable by scope (universal/project)
Skill Usage	Bar chart: skill adoption and success rates
MCP Usage	Doughnut chart: MCP server integration metrics with tool/call counts

Review Tab (Freshness Management)

Keep your knowledge base fresh by reviewing stale memories.

- **Days Threshold** - Configure: 7, 14, 30, 60, or 90 days
- **Bulk Selection** - Select all or individual memories
- **Batch Actions** - Mark Fresh | Mark Outdated | Archive
- **Progress Bar** - Shows review completion percentage

Relationship Graph Tab

Interactive D3.js force-directed network visualization of memory connections.

Node Features	Edge Types
<ul style="list-style-type: none">• Color-coded by memory type• Drag to reposition• Click to select• Double-click to recenter	<ul style="list-style-type: none">• related_to (solid)• supersedes (dashed, amber)• derived_from (dotted, purple)• contradicts (dotted, red)

- **Zoom Controls:** In, out, reset with percentage display
- **Legend Panel:** Shows all node types and edge types
- **Info Panel:** Selected memory content preview at bottom

Ask AI Tab

Natural language queries about your memories using Gemini.

Setup Required: `export GEMINI_API_KEY=your_api_key_here`

- **Conversational Interface** - Multi-turn conversation history
- **Source Citations** - Responses cite which memories were used
- **Clickable Sources** - Click citations to navigate to memory
- **Example Prompts** - Suggested queries to get started

Image Generation Mode (Nano Banana Pro)

Generate visual content from your memories using Gemini 3 Pro image generation. Toggle between Chat and Generate modes in the Ask AI panel header.

Image Features

- 8 preset templates
- Batch generation (1-4 images)
- 10 aspect ratios
- 1K/2K/4K resolution

Memory Integration

- Select memories as context
- Search and filter memories
- Multi-turn refinement
- Click-to-edit images

Preset	Best For
Infographic	Visual summaries with icons and data
Key Insights	Bullet-point style visual cards
Tips & Tricks	Numbered lists with visual elements
Quote Card	Memorable quotes styled for sharing
Workflow	Step-by-step process diagrams
Comparison	Side-by-side feature comparisons
Summary Card	Compact visual overviews
Custom	Free-form prompts with full control

Header Navigation

Element	Function
Project Switcher	Switch between projects; click Manage for full control
Search Bar	Full-text search (Enter to search, Esc to clear)
Refresh Button	Reload data with loading spinner
Export Button	Export to JSON, Markdown, or CSV
Filter Toggle	Show/hide the filter panel
Theme Switcher	Light, Dark, or System preference
Help Button	Open help modal with shortcuts and tour replay
Connection Status	Live indicator with auto-updating timer (pulsing dot)

Project Management

The Dashboard includes a comprehensive Project Management system accessible via the **Manage** button in the Project Switcher dropdown.

Opening Project Management

1. Click on the current project name in the header to open the Project Switcher dropdown
2. Click the **Manage** button (gear icon) in the top-right corner of the dropdown
3. The Project Management modal will open with three tabs

Projects Tab

- **Favorites Section** - Shows starred projects at the top for quick access
- **All Projects** - Complete list of discovered and registered projects
- **Star Icon** - Click to add/remove a project from favorites
- **Trash Icon** - Click to unregister manually-added projects
- **Badges** - Projects show "(registered)" for manually added, "(global)" for global database

Directories Tab

Configure which directories are automatically scanned for OmniCortex projects:

- **Add Directory** - Enter a path (e.g., ~/my-projects or D:/Work) and click Add
- **Remove Directory** - Click the trash icon next to any directory
- **Default directories** - System auto-detects ~/Projects, ~/code, ~/dev, etc.

Add Project Tab

Manually register projects from any location:

- **Project Path** (required) - Full path to the project directory
- **Display Name** (optional) - Custom name to show in the project list
- **Requirements** - Path must contain .omni-cortex/cortex.db file
- Registered projects appear in the list even if not in scan directories

Configuration Storage: ~/.omni-cortex/projects.json
Stores: scan directories, registered projects,
favorites, recent (last 10)

Keyboard Shortcuts

Shortcut	Action
/	Focus search bar
Esc	Clear selection/filters
j / k	Navigate down/up through memories
Enter	Select first memory / Submit chat
r	Refresh data
?	Open Help dialog
1-9	Quick filter by memory type

Pro Tips

- First-time users see an **onboarding tour** - replay it via Help button
- Use the **Activity Heatmap** to identify your most productive periods
- Link related memories to build a knowledge graph for visualization
- Review stale memories monthly to keep your knowledge base fresh
- Use **semantic search** for conceptual queries (requires omni-cortex[semantic])
- Export memories before major refactoring for backup
- **Star your most-used projects** for quick access in the Project Switcher