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
- 6 Feature Tabs
- Real-time WebSocket updates
- Project switching
- Dark/Light theme support

Data Management
- 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Review	RefreshCw	Mark stale memories as fresh/outdated/archived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

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Status Distribution	Progress bars for fresh/needs_review/outdated/archived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

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
- Color-coded by memory type
- Drag to reposition
- Click to select
- Double-click to recenter

Edge Types
- 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

Header Navigation

Element	Function
Project Switcher	Switch between local and global databases
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
Connection Status	Live/Offline indicator with last update time

Keyboard Shortcuts

Shortcut	Action
Enter	Submit search or chat message
Shift+Enter	New line in chat input
Esc	Clear search input

Pro Tips

- 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

OmniCortex v1.0.6 | github.com/AllCytes/Omni-Cortex