

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| Review | RefreshCw | Mark stale memories as fresh/outdated/archived |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

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 | 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

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