

Praval Deep Research User Manual

Praval Deep Research - User Manual

Version 1.0

A Local-First, AI-Powered Research Assistant

Built with Praval Agentic Framework

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Introduction

What is Praval Deep Research?

Praval Deep Research is a **completely local**, privacy-focused research assistant designed to help you discover, analyze, and understand academic papers from ArXiv. Unlike cloud-based solutions where your data is sent to external servers, everything in Praval Deep Research runs on your own machine.

Key Benefits

- **Privacy First:** All your research data stays on your computer
- **No Internet Required:** Once papers are downloaded, work completely offline
- **Intelligent Agents:** 6 specialized AI agents help you research efficiently
- **Semantic Search:** Find relevant information across all your papers
- **Persistent Chat History:** Conversations saved in PostgreSQL database, never lost
- **Proactive Insights:** AI discovers research trends and gaps in your knowledge base
- **One-Click Search:** Click any trending topic to instantly find relevant papers

- **PDF Access:** Read papers directly in your browser

System Requirements

Minimum: - Docker & Docker Compose installed - 4GB RAM available - 5GB free disk space - OpenAI API key (for embeddings and Q&A)

Recommended: - 8GB+ RAM - 10GB+ free disk space - Modern web browser (Chrome, Firefox, Edge, Safari) - Stable internet connection for initial paper downloads

Getting Started

Prerequisites

Before installing Praval Deep Research, ensure you have:

1. **Docker Desktop** installed
 - Download from: <https://www.docker.com/products/docker-desktop>
 - Verify installation: `docker --version`
 2. **Docker Compose** (usually included with Docker Desktop)
 - Verify installation: `docker-compose --version`
 3. **OpenAI API Key**
 - Sign up at: <https://platform.openai.com>
 - Create an API key in your dashboard
 - Keep your key secure - you'll need it during setup
-

Installation

Step-by-Step Installation Guide

1. Download the Project

```
# Clone the repository
git clone https://github.com/aiexplorations/praval_deep_research.git

# Navigate to the project directory
cd praval_deep_research
```

2. Configure Environment

```
# Copy the environment template
cp .env.example .env

# Open the .env file in your favorite editor
nano .env # or use: vim .env, code .env, etc.
```

3. Add Your OpenAI API Key

In the `.env` file, find the line:

```
OPENAI_API_KEY=your_key_here
```

Replace `your_key_here` with your actual OpenAI API key:

```
OPENAI_API_KEY=sk-proj-...your-actual-key...
```

Save and close the file.

4. Start the Application

```
# Build and start all services (first time takes 5-10 minutes)
docker-compose up -d
```

```
# Wait for all services to become healthy (about 1-2 minutes)
docker-compose ps
```

You should see output showing all services as “Up” or “healthy”:

```
research_api      Up (healthy)
research_frontend Up (healthy)
research_qdrant   Up
research_minio    Up (healthy)
research_rabbitmq Up (healthy)
research_redis    Up (healthy)
```

5. Access the Application

Open your web browser and navigate to:

`http://localhost:3000`

You should see the Praval Deep Research interface with three main sections: - **Discover**: Search and index ArXiv papers - **Chat**: Ask questions about your indexed papers - **Knowledge Base**: Manage your paper collection

Quick Tour

Main Interface

The application has three main pages accessible from the top navigation:

1. **Discover** - Search ArXiv and add papers to your knowledge base
2. **Chat** - Ask questions and have conversations about your papers
3. **Knowledge Base** - View and manage all indexed papers

Top Right Corner: - **Praval Logo**: Links to pravalagents.com (the framework powering this app)

Your First Research Session

Let's walk through a complete research workflow:

Step 1: Find Papers (2 minutes)

1. Click **“Discover”** in the navigation
2. Enter a research query, e.g., “transformer attention mechanisms”
3. Click **“Search Papers”**
4. Select 2-3 relevant papers by clicking their checkboxes
5. Click **“Index Selected Papers”**
6. Watch the progress as papers are downloaded and processed

Step 2: Ask Questions (1 minute)

1. Click **“Chat”** in the navigation
2. Type a question: “What are the main innovations in transformer architectures?”
3. Press Enter or click **“Ask”**
4. Read the answer with source citations
5. Try the suggested follow-up questions

Step 3: Manage Your Collection (1 minute)

1. Click **“Knowledge Base”** in the navigation
2. See all your indexed papers in a table
3. Click **“View PDF”** on any paper to read it
4. View statistics: total papers, vectors, categories

Congratulations! You’ve completed your first research session.

Discovering Papers

Searching ArXiv

The **Discover** page is your starting point for finding research papers.

How to Search

1. **Enter your query** in the search box
 - Examples:
 - “neural networks”
 - “reinforcement learning”
 - “attention mechanisms in transformers”
 - “deep learning computer vision”
2. **Set maximum results** (optional)
 - Default: 10 papers
 - Range: 1-50 papers
3. **Click “Search Papers”**
 - Results appear in 1-3 seconds
 - Papers are ranked by relevance

Understanding Search Results Each paper shows: - **Title**: The paper’s full title - **Authors**: First few authors (click to see all) - **Abstract**: Brief summary of the paper - **Published**: Date published on ArXiv - **Category**: Subject classification (e.g., cs.AI, cs.LG) - **ArXiv ID**: Unique identifier (e.g., 2203.14263v1)

Selecting Papers to Index **Best Practices**: - Start with 3-5 papers for a focused topic - Read abstracts carefully before selecting - Check publication dates (newer papers may reference older ones) - Look for highly cited works in your field

To Select Papers: 1. Click the checkbox next to each paper you want 2. Select multiple papers at once 3. Click **“Index Selected Papers”** when ready

The Indexing Process When you click “Index Selected Papers”, the system:

1. **Downloads PDFs** from ArXiv
2. **Extracts text** from each PDF
3. **Chunks text** into manageable pieces (1000 characters each)
4. **Generates embeddings** using OpenAI
5. **Stores vectors** in your local database

Time Required: - ~30-60 seconds per paper - Processing happens in parallel - You can see progress in real-time

What You See: - “Processing paper X of Y...” - “Downloading PDF...” - “Extracting text...” - “Generating embeddings...” - “ Complete”

Troubleshooting Search No results found: - Try simpler queries - Remove quotes from search terms
- Try different keywords

Search timeout: - Check your internet connection - ArXiv may be temporarily slow - Try again in a few minutes

Can't select papers: - Make sure papers loaded successfully - Refresh the page if checkboxes are unresponsive

Chat Interface

Having Conversations

The **Chat** page is where you ask questions and explore your research papers through natural conversations.

Creating Conversations

Starting a New Chat: 1. Click “+ New Chat” button in the sidebar 2. A fresh conversation begins 3. Type your first question 4. The system automatically creates and names your conversation

Auto-Generated Titles: - After your first question, the system generates a smart title using AI - Titles are descriptive (e.g., “Understanding Transformer Architecture”) - Like ChatGPT/Claude, titles help you find conversations later - Titles appear in the sidebar automatically - All conversations saved in PostgreSQL database (persistent storage)

Asking Questions

Question Box: - Located at the bottom of the chat - Type your question naturally - Press Enter or click “Ask” to submit

Good Questions: - “What is attention mechanism in transformers?” - “How does BERT differ from GPT?” - “What are the main contributions of this paper?” - “Compare the approaches in these papers” - “What are the limitations discussed?”

Tips for Better Answers: - Be specific: “How does self-attention work?” vs “Tell me about attention” - Ask follow-ups: Build on previous answers - Reference specific papers: “According to the transformer paper...”

Understanding Answers

Answer Structure: Each answer includes:

1. **Main Response:** Direct answer to your question
2. **Source Citations:** Papers used to generate the answer
3. **Relevance Scores:** How relevant each source is (0.0-1.0)
4. **Follow-up Questions:** 3 suggested related questions
5. **Copy Button:** Copy answer with citations for easy sharing

Reading Citations:

Sources (5):

- [1] An Optimal Control View of Adversarial Machine Learning
- [2] YETI: Proactive Interventions by Multimodal AI Agents
- [3] An Optimal Control View of Adversarial Machine Learning

Each source shows: - Paper title - Relevance score (higher = more relevant) - Paper details (click to expand)

Managing Conversations

Sidebar Features:

Conversation List: - Shows all your chat threads - Most recent at the top - Click any conversation to load it - See message count for each

Loading Conversations: 1. Click any conversation in the sidebar 2. All messages load instantly 3. Continue where you left off 4. Add more questions to the thread

Deleting Conversations: 1. Hover over a conversation 2. Trash icon appears on the right 3. Click the trash icon 4. Confirm deletion 5. Conversation permanently removed

Current Conversation Indicator: - Active conversation highlighted in blue - Easy to see which chat you're in

Conversation Tips

Organizing Your Research: - Create separate conversations for different topics - Use descriptive first questions (they become the title) - Delete old conversations you no longer need

Effective Research Conversations: 1. Start broad: "What is this paper about?" 2. Go deeper: "How does this specific method work?" 3. Compare: "How does this compare to other approaches?" 4. Critique: "What are the limitations?" 5. Apply: "How could this be used for...?"

What the System Remembers: - All messages in the current conversation - Source papers used previously - Context from your questions - This helps provide better follow-up answers

Knowledge Base Management

Viewing Your Collection

The **Knowledge Base** page is your library of indexed research papers.

Statistics Dashboard

At the top of the page, you'll see four key metrics:

1. **Total Papers:** Number of papers indexed
2. **Total Vectors:** Number of text chunks stored
3. **Avg Chunks/Paper:** Average pieces per paper
4. **Categories:** Different subject areas

What These Mean: - More papers = broader knowledge - More vectors = more detailed coverage - Higher avg chunks = longer papers - More categories = diverse topics

Paper Table

Columns: - **Title:** Paper name (click to sort) - **Authors:** First few authors - **Chunks:** Number of text pieces - **Category:** ArXiv classification - **Actions:** View PDF and Delete buttons

Sorting: - Click any column header to sort - Click again to reverse sort order - Helps find specific papers quickly

Searching: - Use the search box to filter papers - Searches across titles and authors - Results update as you type

Viewing PDFs

Opening Papers: 1. Find the paper in the table 2. Click the “ **View PDF**” button 3. PDF opens in a new browser tab 4. Read, scroll, zoom normally

PDF Features: - Opens in your browser’s PDF viewer - Full PDF functionality - No download required - Stays on your machine (served locally)

Troubleshooting PDF Viewing: - If PDF doesn’t open, paper may not be fully indexed - Try re-indexing the paper from Discover page - Check browser allows pop-ups from localhost

Managing Papers

Deleting Individual Papers: 1. Find the paper in the table 2. Click “**Delete**” button 3. Confirm deletion 4. Paper and all its vectors removed 5. Cannot be undone

Clearing All Papers: 1. Click “**Clear All Papers**” button (top right) 2. First confirmation: “Are you sure?” 3. Second confirmation: “This cannot be undone” 4. All papers and vectors deleted 5. Fresh start for new research

When to Delete Papers: - Paper not relevant after reading - Too many papers (slowing down search) - Starting a new research topic - Cleaning up old work

Refreshing Data: - Click “ **Refresh**” button - Reloads current statistics - Updates paper list - Use after indexing new papers from Discover

Knowledge Base Best Practices

Organizing Your Research:

By Topic: - Keep 10-20 papers per research topic - Clear old papers when switching topics - Index papers progressively as needed

By Project: - Index papers for current project only - Export/save important conversations - Clear and start fresh for new projects

Storage Management: - Each paper: ~1-5 MB (PDF) + ~2-5 MB (vectors) - 100 papers: ~300-500 MB total - Monitor disk space in Docker settings - Clear old papers to free space

Advanced Features

Proactive Research Insights (NEW)

What Are Research Insights?

At the bottom of the **Discover** page, you’ll find AI-generated insights about your research collection. The system analyzes all your indexed papers and recent conversations to provide:

Research Areas: - AI identifies clusters of related topics in your papers - Shows how many papers belong to each area - Helps you understand your research focus

Trending Topics: - Keywords and concepts frequently appearing in your papers - Clickable tags that instantly search for related papers - One-click navigation: click any topic → auto-search → view results

Research Gaps: - AI suggests unexplored areas based on your collection - Identifies opportunities for deeper investigation - Points out missing perspectives or approaches

Personalized Next Steps: - Strategic recommendations based on your chat history - Suggests papers to explore next - Helps guide your research direction

Using Insights: 1. Scroll to bottom of Discover page 2. Review the four insight categories 3. Click any trending topic to instantly search papers 4. Use suggestions to guide your research

Smart Caching: - Insights generated in ~35 seconds - Cached for 1 hour for instant retrieval - Click “Refresh” to regenerate with latest data - Automatic cache invalidation when new papers indexed

Conversation Persistence

How It Works: - All conversations automatically saved to PostgreSQL database - Messages persist across browser sessions - Reload page without losing work - Conversations survive container restarts and system reboots - Relational database ensures data integrity with CASCADE deletes

Auto-Loading: - Most recent conversation loads automatically - Continue research seamlessly - No manual saving required

Data Location: - Stored in Docker volume `postgres_data` (PostgreSQL database) - Relational storage with proper foreign key constraints - Backed up with Docker volume backups - Deleted only when you delete conversation (CASCADE to messages)

Smart Title Generation

LLM-Powered Titles: - System uses GPT-4o-mini to generate titles - Analyzes first question and answer - Creates 5-10 word descriptive title - Updates automatically after first exchange

Title Format: - Specific and descriptive - Easy to scan in sidebar - Helps identify conversations later - Examples: - “Understanding Transformer Architecture Components” - “Comparing RL Approaches in Robotics” - “BERT vs GPT: Key Differences”

PDF Proxy Serving

Technology: - PDFs served through FastAPI backend - No direct MinIO access from browser - Solves signature and CORS issues - Secure and efficient

Benefits: - Always works (no expired URLs) - Fast loading - Browser-native PDF viewer - No external dependencies

Real-Time Processing Updates

Server-Sent Events (SSE): - Live progress during indexing - See each step as it happens - No page refresh needed - Detailed status messages

What You See: - Current paper being processed - Step in the workflow - Success/error messages - Completion status

Search & Filter

Knowledge Base Search: - Type in search box - Filters papers in real-time - Searches: titles, authors, abstracts - Case-insensitive matching

Results: - Matching papers highlighted - Non-matching papers hidden - Count shown at bottom - Clear search to see all again

Tips & Best Practices

Effective Research Workflow

1. Start Focused - Begin with 3-5 key papers - Understand them deeply first - Then expand to related work

2. Index Progressively - Don't index everything at once - Add papers as you need them - Quality over quantity

3. Organize Conversations - One conversation per topic - Use descriptive first questions - Delete old conversations

4. Use Follow-Up Questions - System suggests 3 related questions - Help explore topics deeply - Uncover connections between papers

Optimizing Performance

Faster Indexing: - Index 3-5 papers at a time - Don't index during heavy queries - Good internet connection helps

Faster Q&A: - Fewer papers = faster search - More specific questions = better answers - Use conversation context

Storage Management: - Monitor Docker volume sizes - Clear old papers regularly - Backup important conversations

Data Privacy & Security

What Stays Local: - All PDFs (in MinIO) - All vector embeddings (in Qdrant) - All conversations (in Redis) - All metadata (in PostgreSQL)

What Goes External: - ArXiv API calls (downloading papers) - OpenAI API calls (embeddings & Q&A) - Only paper text and questions sent

Securing Your Data: - Keep OpenAI API key secure - Use Docker volume encryption - Regular backups - Don't expose ports publicly

Best Practices for Questions

Good Question Patterns:

Explanatory: - "What is [concept]?" - "How does [method] work?" - "Explain [technique] in simple terms"

Comparative: - "What's the difference between X and Y?" - "How does this compare to [other paper]?" - "What are the pros/cons of each approach?"

Analytical: - "What are the limitations of [method]?" - "What assumptions does this paper make?" - "What are potential applications?"

Synthesizing: - "What do these papers agree on?" - "What are the conflicting views?" - "What's the current state of research?"

Troubleshooting

Common Issues

Services Won't Start Symptoms: - Error when running `docker-compose up` - Containers exit immediately - Health checks failing

Solutions:

```
# Check Docker is running
docker ps
```

```
# Check for port conflicts
lsof -i :3000 # Frontend
```

```

lsof -i :8000 # API
lsof -i :9000 # MinIO

# Stop conflicting services
kill <PID> # From lsof output

# Clean restart
docker-compose down
docker-compose up -d

```

Frontend Blank Page Symptoms: - Browser shows empty page - No UI elements visible - Console errors in DevTools

Solutions:

```

# Hard refresh browser (clears cache)
# Chrome/Edge: Ctrl+Shift+R (Windows) or Cmd+Shift+R (Mac)
# Firefox: Ctrl+F5

# Check container is running
docker-compose ps research_frontend

# Check nginx logs
docker-compose logs research_frontend

# Rebuild if needed
docker-compose build research_frontend
docker-compose up -d research_frontend

```

Q&A Returns No Results Symptoms: - Questions return “no relevant papers found” - Empty source list - Generic answers

Solutions:

```

# Verify papers are indexed
curl http://localhost:8000/research/knowledge-base/stats

# Should show:
# "total_papers": > 0
# "total_vectors": > 0

# If zero, index papers from Discover page

# Check Qdrant has data
curl http://localhost:6333/collections/research_vectors

# Restart if needed
docker-compose restart research_api

```

Chat History Not Saving Symptoms: - Conversations disappear on refresh - “New Chat” doesn’t create conversation - No conversations in sidebar

Solutions:

```

# Check Redis is running
docker-compose ps research_redis

```

```

# Test Redis connection
docker-compose exec research_redis redis-cli ping
# Should return: PONG

# Check conversation API
curl http://localhost:8000/research/conversations
# Should return list of conversations

# Restart if needed
docker-compose restart research_redis research_api

```

PDF Won't Open Symptoms: - "PDF not found" error - Blank page when clicking View PDF - Download fails

Solutions:

```

# Check MinIO is accessible
curl http://localhost:9000/minio/health/live

# Test PDF endpoint
curl -I http://localhost:8000/research/knowledge-base/papers/[paper_id]/pdf

# Should return: HTTP 200 OK

# Check MinIO logs
docker-compose logs research_minio

# Restart if needed
docker-compose restart research_minio research_api

```

Indexing Fails Symptoms: - Papers stuck at "Processing..." - Error messages during indexing - Papers not appearing in Knowledge Base

Solutions:

```

# Check all services healthy
docker-compose ps

# View API logs for errors
docker-compose logs -f research_api

# Common issues:
# - OpenAI API key invalid
# - OpenAI rate limit hit
# - ArXiv temporarily unavailable
# - Disk space full

# Check OpenAI key
grep OPENAI_API_KEY .env

# Restart services
docker-compose restart research_api

```

Getting Help

Log Files:

View all logs

```
docker-compose logs
```

Specific service

```
docker-compose logs research_api
```

```
docker-compose logs research_frontend
```

Follow logs (live)

```
docker-compose logs -f research_api
```

Last 100 lines

```
docker-compose logs --tail=100 research_api
```

System Status:

Container status

```
docker-compose ps
```

Resource usage

```
docker stats
```

Disk usage

```
docker system df
```

Volume sizes

```
docker volume ls
```

```
docker system df -v
```

Health Checks:

API health

```
curl http://localhost:8000/health
```

Frontend

```
curl http://localhost:3000
```

Qdrant

```
curl http://localhost:6333/health
```

MinIO

```
curl http://localhost:9000/minio/health/live
```

FAQ

General Questions

Q: Do I need an internet connection?

A: You need internet for: - Downloading papers from ArXiv - OpenAI API calls (embeddings & Q&A)

Once papers are indexed, you can work offline for reading PDFs and browsing your knowledge base. Q&A requires OpenAI API access.

Q: How much does it cost to run?

A: Costs are only for OpenAI API usage: - Embeddings: ~\$0.0001 per paper - Q&A: ~\$0.001-0.005 per question - Example: 100 papers + 100 questions = ~\$0.50-1.00

The software itself is free and open-source.

Q: Can I use a different LLM?

A: Currently requires OpenAI. Future versions will support: - Anthropic Claude - Local models (Ollama) - Custom endpoints

Q: How private is my data?

A: Very private: - All papers stored locally - Vectors never leave your machine - Only text sent to OpenAI for processing - No telemetry or analytics - No cloud backups unless you create them

Technical Questions

Q: Can I run this on a server?

A: Yes! The system is designed for local use but can run on any machine with Docker. For remote access: - Use SSH tunnel: `ssh -L 3000:localhost:3000 user@server` - Set up reverse proxy (nginx/Caddy) - Configure authentication

Q: How do I backup my data?

A: Backup Docker volumes:

```
# Backup all data
docker run --rm \
  -v praval_deep_research_qdrant_data:/data \
  -v $(pwd):/backup \
  alpine tar czf /backup/backup.tar.gz /data

# Restore
docker run --rm \
  -v praval_deep_research_qdrant_data:/data \
  -v $(pwd):/backup \
  alpine tar xzf /backup/backup.tar.gz -C /
```

Q: Can I index my own PDFs?

A: Not directly in v1.0. Future versions will support: - Custom PDF upload - Local PDF folder monitoring - Non-ArXiv sources

Q: What happens if I lose my API key?

A: If you lose your OpenAI API key: 1. Generate new key at platform.openai.com 2. Update `.env` file 3. Restart containers: `docker-compose restart`

Your indexed papers remain, but you can't: - Index new papers - Ask questions (need embeddings)

Q: How do I update to a new version?

A:

```
# Pull latest code
git pull origin main

# Rebuild containers
docker-compose build
```

```
# Restart with new version
docker-compose down
docker-compose up -d
```

```
# Your data persists in volumes
```

Q: Can multiple people use the same instance?

A: Not in v1.0. The system is single-user. Multi-user support planned for future versions with: - User authentication - Private knowledge bases - Shared conversations

Troubleshooting Questions

Q: Why is indexing so slow?

A: Indexing speed depends on: - Internet connection (downloading PDFs) - OpenAI API rate limits - System resources (RAM/CPU) - Number of papers

Average: 30-60 seconds per paper.

Q: Why are my questions returning generic answers?

A: Common causes: - No papers indexed (check Knowledge Base) - Question too broad (be more specific) - Papers don't cover the topic - Wrong embedding model (check config)

Q: Can I change the embedding model?

A: Yes, in `.env` file:

```
# Default
OPENAI_EMBEDDING_MODEL=text-embedding-3-small
EMBEDDING_DIMENSIONS=1536
```

```
# Alternatives
# text-embedding-3-large (better quality, higher cost)
# text-embedding-ada-002 (legacy)
```

After changing, you need to re-index all papers.

Q: How do I completely reset the system?

A:

```
# Stop and remove everything
docker-compose down -v
```

```
# This deletes:
# - All papers
# - All embeddings
# - All conversations
# - All containers
```

```
# Start fresh
docker-compose up -d
```

Keyboard Shortcuts

Global

- Ctrl/Cmd + K: Focus search (Knowledge Base)

- **Ctrl/Cmd + N:** New chat (Chat page)
- **Ctrl/Cmd + /:** Show keyboard shortcuts
- **Esc:** Close modals/dialogs

Chat Page

- **Enter:** Send message
- **Shift + Enter:** New line in message
- **↑:** Edit last message (future)
- **Ctrl/Cmd + L:** Clear current chat (future)

Knowledge Base

- **Delete:** Delete selected paper (future)
- **Ctrl/Cmd + A:** Select all papers (future)

Navigation

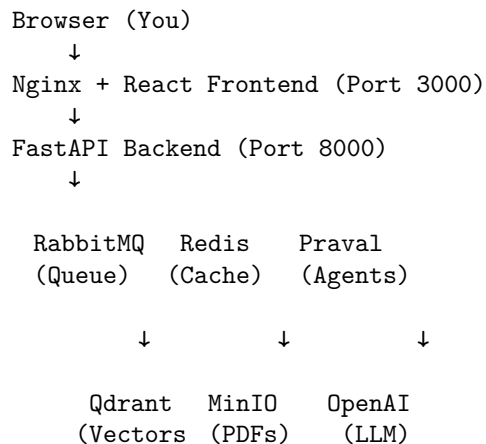
- **1:** Go to Discover
- **2:** Go to Chat
- **3:** Go to Knowledge Base

Note: Some shortcuts marked (future) are planned for upcoming versions.

Appendix

System Architecture

Praval Deep Research uses a microservices architecture:



Data Storage

Docker Volumes: - **qdrant_data:** Vector embeddings (~200MB/1000 chunks) - **minio_data:** PDF files (~1-5MB per paper) - **redis_data:** Conversations (~10KB per conversation) - **rabbitmq_data:** Message queue (~1MB)

Total Storage: - 100 papers 300-500 MB - 1000 papers 3-5 GB

API Endpoints

Paper Management: - POST /research/search - Search ArXiv - POST /research/index - Index papers - GET /research/knowledge-base/papers - List papers - GET /research/knowledge-base/papers/{id}/pdf - Get PDF

Q&A: - POST /research/ask - Ask question - GET /research/conversations - List conversations - POST /research/conversations - Create conversation - DELETE /research/conversations/{id} - Delete conversation

Full API documentation: <http://localhost:8000/docs>

Support & Resources

Documentation

- **README:** Project overview and quick start
- **DESIGN.md:** System architecture details
- **CLAUDE.md:** Development guidelines

Online Resources

- **Praval Framework:** <https://pravalagents.com>
- **GitHub Repository:** https://github.com/aiexplorations/praval_deep_research
- **Issue Tracker:** https://github.com/aiexplorations/praval_deep_research/issues


Getting Help

1. **Check this manual** - Most questions answered here
2. **Check README** - Installation and setup issues
3. **Search GitHub Issues** - Known problems and solutions
4. **Create New Issue** - For bugs and feature requests

Contributing

Contributions welcome! See CONTRIBUTING.md for guidelines.

Thank you for using Praval Deep Research!

Built with  using Praval Framework

Version 1.0 | Updated November 2025