











Contents

1 CouchDB MCP Quick Start Guide	1
1.1  Setup Complete!	1
1.2  Current Configuration	1
1.2.1 Claude CLI Version	1
1.2.2 MCP Server Status	1
1.2.3 Connected Databases	2
1.2.4 Server URL	2
1.3  Usage	2
1.3.1 Command Line Usage	2
1.3.2 Available MCP Commands	2
1.3.3 Natural Language Queries	2
1.4  Available Tools	3
1.5  Security	3
1.6  Project Files	3
1.7  Next Steps	3
1.8  Troubleshooting	4
1.8.1 Server Not Connected	4
1.8.2 Database Not Found	4
1.8.3 Permission Issues	4
1.9  Documentation	4
1.10  Success!	4

1 CouchDB MCP Quick Start Guide

1.1 Setup Complete!

Your CouchDB MCP server is now fully configured and running!

1.2 Current Configuration

1.2.1 Claude CLI Version

- **Version:** 2.0.50 (Claude Code)
- **Node.js:** v20.19.5
- **Location:** /home/piggy/miniconda3/envs/skol/bin/claude

1.2.2 MCP Server Status

- **Name:** couchdb
- **Status:** ✓ Connected
- **Type:** stdio
- **Python:** /home/piggy/miniconda3/envs/skol/bin/python

- **Script:** /data/piggy/src/github.com/piggyatbaqaqi/skol/couchdb_mcp_server.py

1.2.3 Connected Databases

- skol_dev
- skol_taxa_dev

1.2.4 Server URL

- http://localhost:5984

1.3 Usage

1.3.1 Command Line Usage

You can now use the Claude CLI to interact with your CouchDB databases:

Start a Claude Code session

claude code

Within the session, use the /mcp command to see available servers

/mcp

1.3.2 Available MCP Commands

List all configured MCP servers

claude mcp list

Get details about the CouchDB server

claude mcp get couchdb

Remove the server (if needed)

claude mcp remove couchdb -s local

1.3.3 Natural Language Queries

Once you start a Claude Code session, you can ask natural language questions about your CouchDB databases:

How many documents are in skol_dev?

Search for documents containing "Amanita" in skol_taxa_dev

Show me the first 10 documents from skol_dev

Get document "species_001" from skol_taxa_dev

List all attachments for document "doc123"

1.4 Available Tools

Your MCP server provides 8 tools:

1. **list_databases** - List all CouchDB databases
2. **get_document** - Get a document by ID
3. **query_documents** - Query with pagination and filters
4. **search_documents** - Full-text search across documents
5. **get_attachment** - Retrieve document attachments
6. **list_attachments** - List all attachments for a document
7. **execute_view** - Execute CouchDB views
8. **count_documents** - Count documents with optional filters

1.5 Security

Your credentials are stored in: - **Environment file**: `.env` (protected by `.gitignore`) - **Claude config**: `~/.claude.json` (local scope, not shared)

The `.env` file is **not** committed to version control for security.

1.6 Project Files

- `couchdb_mcp_server.py` - MCP server implementation
- `.mcp.json` - Project-scoped MCP configuration
- `.env` - Environment variables (credentials)
- `COUCHDB_MCP_SETUP.md` - Detailed setup documentation
- `MCP_QUICK_START.md` - This file

1.7 Next Steps

1. **Start using it!**

```
claude code
```

2. **Try a query:**

```
/mcp
List all databases
```

3. **Explore your data:**

```
Search for "mycology" in skol_dev database
```

1.8 🐞 Troubleshooting

1.8.1 Server Not Connected

If `claude mcp list` shows the server as disconnected:

1. Check CouchDB is running:

```
curl http://localhost:5984
```

2. Verify credentials:

```
curl -u username:password http://localhost:5984/_all_dbs
```

3. Check Python path:

```
which python
```

4. Test the MCP server directly:

```
/home/piggy/miniconda3/envs/skol/bin/python couchdb_mcp_server.py
```

1.8.2 Database Not Found

Check that your databases exist:

```
curl -u username:password http://localhost:5984/_all_dbs
```

1.8.3 Permission Issues

Verify your CouchDB credentials in `.env` are correct.

1.9 📖 Documentation

- COUCHDB_MCP_SETUP.md - Complete setup guide
- Official MCP Docs
- Claude Code Docs

1.10 🎉 Success!

Your CouchDB MCP server is ready to use! Start exploring your databases with natural language queries.

Need help? Check COUCHDB_MCP_SETUP.md for detailed documentation.