

# MangaHub CLI Application - User Manual

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## Introduction

MangaHub CLI is a command-line interface for the MangaHub manga tracking system. It provides access to all core features including manga discovery, reading progress tracking, real-time synchronization, and community chat functionality.

## System Requirements

- Go 1.19 or later
- SQLite 3.x
- Network connectivity for synchronization features
- Terminal with UTF-8 support

## Supported Platforms

- Linux (x64, ARM)
- macOS (Intel, Apple Silicon)
- Windows (x64)

## Installation and Setup

### Download and Install

```
# Download the latest release
wget https://github.com/yourorg/mangahub/releases/latest/mangahub-cli

# Make executable (Linux/macOS)
chmod +x mangahub-cli

# Move to system path
sudo mv mangahub-cli /usr/local/bin/mangahub

# Verify installation
mangahub version
```

### First-Time Setup

```
# Initialize configuration
mangahub init

# This creates:
# ~/.mangahub/config.yaml
# ~/.mangahub/data.db
# ~/.mangahub/Logs/
```

### Configuration File

The default configuration is created at `~/.mangahub/config.yaml`:

```
server:
  host: "localhost"
  http_port: 8080
  tcp_port: 9090
  udp_port: 9091
  grpc_port: 9092
  websocket_port: 9093

database:
  path: "~/.mangahub/data.db"

user:
  username: ""
  token: ""

sync:
  auto_sync: true
  conflict_resolution: "last_write_wins"

notifications:
```

```
enabled: true
sound: false

logging:
  level: "info"
  path: "~/.mangahub/logs/"
```

## Getting Started

### Quick Start Guide

```
# 1. Start the MangaHub server
mangahub server start

# 2. In another terminal, register a new account
mangahub auth register --username myuser --email myuser@example.com

# 3. Login to get authentication token
mangahub auth login --username myuser

# 4. Search for manga
mangahub manga search "one piece"

# 5. Add manga to library
mangahub library add --manga-id one-piece --status reading

# 6. Update reading progress
mangahub progress update --manga-id one-piece --chapter 1095
```

### Command Structure

All commands follow the pattern:

```
mangahub <command> <subcommand> [flags] [arguments]
```

### Global Flags

- `--config`: Specify config file path
- `--verbose`: Enable verbose output
- `--quiet`: Suppress non-error output
- `--help`: Show help information

## Authentication Commands

### Register New Account

```
mangahub auth register --username <username> --email <email>
# Prompts for password securely
```

```
# Example
mangahub auth register --username johndoe --email john@example.com
```

#### Expected Output:

```
Password: [hidden input]
Confirm password: [hidden input]
```

```
✓ Account created successfully!
User ID: usr_1a2b3c4d5e
Username: johndoe
Email: john@example.com
Created: 2024-01-20 10:30:00 UTC
```

```
Please login to start using MangaHub:
mangahub auth login --username johndoe
```

#### Error Cases:

```
X Registration failed: Username 'johndoe' already exists
Try: mangahub auth login --username johndoe
```

```
X Registration failed: Invalid email format
Please provide a valid email address
```

```
X Registration failed: Password too weak
Password must be at least 8 characters with mixed case and numbers
```

## Login

```
mangahub auth login --username <username>
# Prompts for password
```

```
# Alternative: Login with email
mangahub auth login --email <email>
```

```
# Example
mangahub auth login --username johndoe
```

#### Expected Output:

```
Password: [hidden input]
```

```
✓ Login successful!
Welcome back, johndoe!
```

#### Session Details:

```
Token expires: 2024-01-21 10:30:00 UTC (24 hours)
```

```
Permissions: read, write, sync
```

```
Auto-sync: enabled  
Notifications: enabled
```

```
Ready to use MangaHub! Try:  
mangahub manga search "your favorite manga"
```

### Error Cases:

```
X Login failed: Invalid credentials  
Check your username and password  
  
X Login failed: Account not found  
Try: mangahub auth register --username johndoe --email john@example.com  
  
X Login failed: Server connection error  
Check server status: mangahub server status
```

### Logout

```
mangahub auth logout  
# Removes stored authentication token
```

### Check Authentication Status

```
mangahub auth status  
# Shows current login status and user information
```

### Change Password

```
mangahub auth change-password  
# Prompts for current password and new password
```

### Manga Management

#### Search Manga

```
# Basic search  
mangahub manga search <query>  
  
# Search with filters  
mangahub manga search <query> --genre <genre> --status <status>  
  
# Examples  
mangahub manga search "attack on titan"  
mangahub manga search "romance" --genre romance --status completed  
mangahub manga search "naruto" --limit 5
```

#### Expected Output:

Searching for "attack on titan"...

Found 3 results:

ID Chapters	Title	Author	Status	
attack-on-titan	Attack on Titan (Shingeki no Kyojin)	Isayama Hajime	Completed	139
attack-on-titan-jr	Attack on Titan: Junior High	Isayama Hajime	Completed	7
aot-before-fall	Attack on Titan: Before the Fall	Suzukaze Ryo	Completed	17

Use 'mangahub manga info <id>' to view details

Use 'mangahub library add --manga-id <id>' to add to your library

### No Results Output:

Searching for "nonexistent manga"...

No manga found matching your search criteria.

### Suggestions:

- Check spelling and try again
- Use broader search terms
- Browse by genre: mangahub manga list --genre action

### [View Manga Details](#)

mangahub manga info <manga-id>

```
# Example
mangahub manga info one-piece
```

**Expected Output:**

```
ONE PIECE |
```

**Basic Information:**

ID: one-piece  
Title: One Piece (ワンピース)  
Author: Oda Eiichiro  
Artist: Oda Eiichiro  
Genres: Action, Adventure, Comedy, Drama, Shounen  
Status: Ongoing  
Year: 1997

**Progress:**

Total Chapters: 1,100+  
Total Volumes: 107+  
Serialization: Weekly Shounen Jump  
Publisher: Shueisha

**Your Status:** Currently Reading

Current Chapter: 1,095  
Last Updated: 2024-01-20 15:30:00  
Started Reading: 2023-03-15  
Personal Rating: 9/10

**Description:**

Monkey D. Luffy, a boy whose body gained the properties of rubber after eating a Devil Fruit, explores the Grand Line with his diverse crew of pirates in search of the treasure known as "One Piece" to become the next Pirate King.

**External Links:**

MyAnimeList: <https://myanimelist.net/manga/13>  
MangaDx: <https://mangadx.org/title/a1c7c817-4e59-43b7-9365-09675a149a6f>

**Actions:**

Update Progress: mangahub progress update --manga-id one-piece --chapter 1096  
Rate/Review: mangahub library update --manga-id one-piece --rating 10  
Remove: mangahub library remove --manga-id one-piece

**Not Found Output:**

```
X Manga not found: 'nonexistent-id'

Try searching instead:
mangahub manga search "manga title"
```

## List All Manga

```
# List all manga in database
mangahub manga list

# List with pagination
mangahub manga list --page 2 --limit 20

# Filter by genre
mangahub manga list --genre shounen
```

## Advanced Search Options

```
mangahub manga search "keyword" \
--genre "action,adventure" \
--status "ongoing" \
--author "author name" \
--year-from 2020 \
--year-to 2024 \
--min-chapters 50 \
--sort-by "popularity" \
--order "desc"
```

## Library Operations

### Add Manga to Library

```
mangahub library add --manga-id <id> --status <status>
```

```
# Status options: reading, completed, plan-to-read, on-hold, dropped
# Examples
```

```
mangahub library add --manga-id one-piece --status reading
mangahub library add --manga-id death-note --status completed --rating 9
```

### View Library

```
# View entire Library
mangahub library list
```

```
# Filter by status
mangahub library list --status reading
mangahub library list --status completed
```

```
# Sort options
mangahub library list --sort-by title
mangahub library list --sort-by last-updated --order desc
```

**Expected Output:**

Your Manga Library (47 entries)

Currently Reading (8):

ID Updated	Title	Chapter	Rating	Started
one-piece Just now	One Piece	1095/??	9/10	2023-03
jujutsu-kaisen 2 days	Jujutsu Kaisen	247/??	8/10	2023-10
attack-on-titan 1 week	Attack on Titan	89/139	Unrated	2024-01
demon-slayer 3 days	Demon Slayer	156/205	7/10	2023-12

Completed (15):

ID Completed	Title	Chapters	Rating	
death-note 15	Death Note	108/108	10/10	2023-08-
fullmetal 22	Fullmetal Alchemist	108/108	9/10	2023-09-
naruto 30	Naruto	700/700	8/10	2023-11-

Plan to Read (18), On Hold (4), Dropped (2)

Use --status &lt;status&gt; to filter by specific status

Use --verbose for detailed view with descriptions

**Empty Library Output:**

Your library is empty.

Get started by searching and adding manga:

mangahub manga search "your favorite series"

mangahub library add --manga-id &lt;id&gt; --status reading

## Remove from Library

```
mangahub library remove --manga-id <id>
```

*# Example*

```
mangahub library remove --manga-id completed-series
```

## Update Library Entry

```
mangahub library update --manga-id <id> --status <new-status>
```

*# Example*

```
mangahub library update --manga-id one-piece --status completed --rating 10
```

## Progress Tracking

### Update Reading Progress

```
mangahub progress update --manga-id <id> --chapter <number>
```

*# With additional info*

```
mangahub progress update --manga-id <id> --chapter <number> --volume <number>
```

*# Examples*

```
mangahub progress update --manga-id one-piece --chapter 1095
```

```
mangahub progress update --manga-id naruto --chapter 700 --volume 72 --notes  
"Great ending!"
```

### Expected Output:

Updating reading progress...

✓ Progress updated successfully!

Manga: One Piece

Previous: Chapter 1,094

Current: Chapter 1,095 (+1)

Updated: 2024-01-20 16:45:00 UTC

### Sync Status:

Local database: ✓ Updated

TCP sync server: ✓ Broadcasting to 3 connected devices

Cloud backup: ✓ Synced

### Statistics:

Total chapters read: 1,095

Reading streak: 45 days

Estimated completion: Never (ongoing series)

### Next actions:

```
Continue reading: Chapter 1,096 available
Rate this chapter: mangahub library update --manga-id one-piece --rating 9
```

### Error Cases:

```
X Progress update failed: Chapter 2000 exceeds manga's total chapters (1100)
Valid range: 1-1100
```

```
X Progress update failed: Chapter 50 is behind your current progress
(Chapter 95)
```

```
Use --force to set backwards progress: --force --chapter 50
```

```
X Progress update failed: Manga 'invalid-id' not found in your library
Add to library first: mangahub library add --manga-id invalid-id --status
reading
```

### View Progress History

```
mangahub progress history --manga-id <id>
```

```
# View all progress updates
mangahub progress history
```

### Sync Progress

```
# Manual sync with server
mangahub progress sync
```

```
# Check sync status
mangahub progress sync-status
```

### Network Protocol Features

#### TCP Progress Synchronization

```
# Connect to TCP sync server
mangahub sync connect
```

```
# Disconnect from sync server
mangahub sync disconnect
```

```
# Check connection status
mangahub sync status
```

```
# View real-time progress updates
mangahub sync monitor
```

#### Expected Output for `mangahub sync connect`:

```
Connecting to TCP sync server at localhost:9090...
```

✓ Connected successfully!

Connection Details:

Server: localhost:9090  
User: johndoe (usr\_1a2b3c4d5e)  
Session ID: sess\_9x8y7z6w5v  
Connected at: 2024-01-20 17:00:00 UTC

Sync Status:

Auto-sync: enabled  
Conflict resolution: last\_write\_wins  
Devices connected: 3 (mobile, desktop, web)

Real-time sync is now active. Your progress will be synchronized across all devices.

**Expected Output for mangahub sync status:**

TCP Sync Status:

Connection: ✓ Active  
Server: localhost:9090  
Uptime: 2h 15m 30s  
Last heartbeat: 2 seconds ago

Session Info:

User: johndoe  
Session ID: sess\_9x8y7z6w5v  
Devices online: 3

Sync Statistics:

Messages sent: 47  
Messages received: 23  
Last sync: 30 seconds ago (One Piece ch. 1095)  
Sync conflicts: 0

Network Quality: Excellent (RTT: 15ms)

**Expected Output for mangahub sync monitor:**

Monitoring real-time sync updates... (Press Ctrl+C to exit)

```
[17:05:12] ← Device 'mobile' updated: Jujutsu Kaisen → Chapter 248
[17:05:45] → Broadcasting update: Attack on Titan → Chapter 90
[17:06:23] ← Device 'web' updated: Demon Slayer → Chapter 157
[17:07:01] ← Device 'mobile' updated: One Piece → Chapter 1096
[17:07:35] → Broadcasting update: One Piece → Chapter 1096 (sync conflict resolved)
```

Real-time sync monitoring active. Updates appear as they happen.

## UDP Notifications

```
# Subscribe to chapter release notifications
mangahub notify subscribe
```

```
# Unsubscribe from notifications
mangahub notify unsubscribe
```

```
# View notification preferences
mangahub notify preferences
```

```
# Test notification system
mangahub notify test
```

## gRPC Service Operations

```
# Query manga via gRPC
mangahub grpc manga get --id <manga-id>
```

```
# Search via gRPC
mangahub grpc manga search --query <search-term>
```

```
# Update progress via gRPC
mangahub grpc progress update --manga-id <id> --chapter <number>
```

## Chat System

### Connect to Chat

```
# Join general chat
mangahub chat join
```

```
# Join specific manga discussion
mangahub chat join --manga-id <id>
```

```
# Example
mangahub chat join --manga-id one-piece
```

### Expected Output for mangahub chat join:

Connecting to WebSocket chat server at ws://localhost:9093...

✓ Connected to General Chat

```
Chat Room: #general
Connected users: 12
Your status: Online
```

```
Recent messages:  
[16:45] alice: Just finished reading the latest chapter!  
[16:47] bob: Which manga are you reading?  
[16:48] alice: Attack on Titan, it's getting intense  
[16:50] charlie: No spoilers please! 😊
```

---

You are now in chat. Type your message and press Enter.  
Type /help for commands or /quit to leave.

johndoe>

#### Expected Output for Chat Commands:

johndoe> /help

Chat Commands:

/help	- Show this help
/users	- List online users
/quit	- Leave chat
/pm <user> <msg>	- Private message
/manga <id>	- Switch to manga chat
/history	- Show recent history
/status	- Connection status

johndoe> /users

Online Users (12):

- alice (General Chat)
  - bob (General Chat)
  - charlie (General Chat)
  - diana (One Piece Discussion)
  - elena (Attack on Titan Discussion)
  - frank (General Chat)
- [... 6 more users]

johndoe> Hello everyone! 🙌

```
[17:02] johndoe: Hello everyone! 🙌  
[17:02] alice: Hey johndoe! Welcome to the chat  
[17:03] bob: Hi there! What are you reading these days?
```

johndoe> /quit

Leaving chat...

✓ Disconnected from chat server

## Send Messages

```
# Send message to current chat
mangahub chat send "Hello everyone!"

# Send message to specific manga chat
mangahub chat send "Great chapter!" --manga-id one-piece
```

## Chat Commands (Interactive Mode)

When in chat mode, use these commands: - /help - Show chat commands

- /users - List online users
- /quit - Leave chat
- /pm <username> <message> - Private message
- /manga <id> - Switch to manga-specific chat

## View Chat History

```
# View recent messages
mangahub chat history

# View messages for specific manga
mangahub chat history --manga-id one-piece --limit 50
```

## Statistics and Analytics

### Reading Statistics

```
# View personal reading statistics
mangahub stats overview

# Detailed breakdown
mangahub stats detailed

# Stats for specific time period
mangahub stats --from 2024-01-01 --to 2024-12-31
```

## Export Data

```
# Export Library to JSON
mangahub export library --format json --output library.json

# Export reading progress
mangahub export progress --format csv --output progress.csv

# Full data export
mangahub export all --output mangahub-backup.tar.gz
```

## Server Management

### Start Server Components

```
# Start all servers
mangahub server start

# Start specific servers
mangahub server start --http-only
mangahub server start --tcp-only
mangahub server start --udp-only
```

#### Expected Output for mangahub server start:

Starting MangaHub Server Components...

[1/5] HTTP API Server

- ✓ Starting on http://localhost:8080
- ✓ Database connection established
- ✓ JWT middleware loaded
- ✓ 12 routes registered

Status: Running

[2/5] TCP Sync Server

- ✓ Starting on tcp://localhost:9090
- ✓ Connection pool initialized (max: 100)
- ✓ Broadcast channels ready

Status: Listening for connections

[3/5] UDP Notification Server

- ✓ Starting on udp://localhost:9091
- ✓ Client registry initialized
- ✓ Notification queue ready

Status: Ready for broadcasts

[4/5] gRPC Internal Service

- ✓ Starting on grpc://localhost:9092
- ✓ 3 services registered
- ✓ Protocol buffers loaded

Status: Serving

[5/5] WebSocket Chat Server

- ✓ Starting on ws://localhost:9093
- ✓ Chat rooms initialized
- ✓ User registry ready

Status: Ready for connections

 All servers started successfully!

Server URLs:

HTTP API: http://localhost:8080  
TCP Sync: tcp://localhost:9090  
UDP Notify: udp://localhost:9091  
gRPC: grpc://localhost:9092  
WebSocket: ws://localhost:9093

Logs: tail -f ~/.mangahub/logs/server.log  
Stop: mangahub server stop

## Server Status

# Check server status  
mangahub server status

# Detailed health check  
mangahub server health

**Expected Output for mangahub server status:**

MangaHub Server Status

Service	Status	Address	Uptime	Load
HTTP API req/min	✓ Online	localhost:8080	2h 15m	12
TCP Sync clients	✓ Online	localhost:9090	2h 15m	3
UDP Notifications clients	✓ Online	localhost:9091	2h 15m	8
gRPC Internal req/min	✓ Online	localhost:9092	2h 15m	5
WebSocket Chat users	✓ Online	localhost:9093	2h 15m	12

Overall System Health: ✓ Healthy

Database:

Connection: ✓ Active  
Size: 2.1 MB  
Tables: 3 (users, manga, user\_progress)

Last backup: 2024-01-20 12:00:00

Memory Usage: 45.2 MB / 512 MB (8.8%)

CPU Usage: 2.3% average

Disk Space: 892 MB / 10 GB available

### Error Status Output:

#### MangaHub Server Status

Service	Status	Address	Uptime	Load
HTTP API req/min	✓ Online	localhost:8080	45m	8
TCP Sync	X Error	localhost:9090	-	-
UDP Notifications clients	⚠ Warn	localhost:9091	45m	0
gRPC Internal req/min	✓ Online	localhost:9092	45m	2
WebSocket Chat	✓ Online	localhost:9093	45m	5 users

Overall System Health: ⚠ Degraded

#### Issues Detected:

X TCP Sync Server: Port 9090 already in use

Solution: Kill process on port 9090 or change port in config

⚠ UDP Notifications: No clients registered

This is normal if no users have subscribed to notifications

Run 'mangahub server health' for detailed diagnostics

#### Stop Servers

# Stop all servers

mangahub server stop

# Stop specific server

mangahub server stop --component http

## Server Status

```
# Check server status
mangahub server status
```

```
# Detailed health check
mangahub server health
```

## Server Logs

```
# View server logs
mangahub server logs
```

```
# Follow logs in real-time
mangahub server logs --follow
```

```
# Filter logs by level
mangahub server logs --level error
```

## Configuration

### View Configuration

```
# Show current configuration
mangahub config show
```

```
# Show specific section
mangahub config show server
```

### Update Configuration

```
# Set configuration value
mangahub config set server.host "192.168.1.100"
mangahub config set notifications.enabled false
```

```
# Reset to defaults
mangahub config reset
```

## Profile Management

```
# Create new profile
mangahub profile create --name work
```

```
# Switch profiles
mangahub profile switch --name work
```

```
# List profiles
mangahub profile list
```

## Advanced Features

### Batch Operations

```
# Batch add manga to library
mangahub library batch-add --file manga-list.txt --status plan-to-read

# Batch update progress
mangahub progress batch-update --file progress-updates.csv
```

### Backup and Restore

```
# Create backup
mangahub backup create --output backup-2024.tar.gz

# Restore from backup
mangahub backup restore --input backup-2024.tar.gz
```

### Database Operations

```
# Database integrity check
mangahub db check

# Optimize database
mangahub db optimize

# Database statistics
mangahub db stats
```

## Troubleshooting

### Common Issues

*Authentication Problems*

```
# Clear authentication data
mangahub auth clear

# Re-register if needed
mangahub auth register --username <username> --email <email>
```

#### **Expected Output for mangahub auth clear:**

Clearing authentication data...

- ✓ Authentication token removed
- ✓ User session cleared
- ✓ Sync connections terminated
- ✓ Cache cleared

You are now logged out. To continue using MangaHub:

```
mangahub auth login --username <your-username>
```

Or register a new account:

```
mangahub auth register --username <username> --email <email>
```

### Connection Issues

# Test server connectivity

```
mangahub server ping
```

# Reset network connections

```
mangahub sync reconnect
```

### Expected Output for mangahub server ping:

Testing MangaHub server connectivity...

HTTP API (localhost:8080): ✓ Online (15ms)

  └ Authentication endpoint: ✓ Responding

  └ Manga search endpoint: ✓ Responding

  └ Database connection: ✓ Active

TCP Sync (localhost:9090): ✓ Online (8ms)

  └ Connection accepted: ✓ Success

  └ Authentication test: ✓ Success

  └ Heartbeat response: ✓ Success

UDP Notify (localhost:9091): ✓ Online (3ms)

  └ Registration test: ✓ Success

  └ Echo test: ✓ Success

gRPC Service (localhost:9092): ✓ Online (12ms)

  └ Health check: ✓ Serving

  └ Service discovery: ✓ 3 services found

WebSocket Chat (localhost:9093): ✓ Online (18ms)

  └ Upgrade handshake: ✓ Success

  └ Echo test: ✓ Success

Overall connectivity: ✓ All services reachable

Network quality: Excellent

### Connection Issues Output:

Testing MangaHub server connectivity...

HTTP API (localhost:8080): X Timeout (>5000ms)

  └ Error: Connection refused

```
TCP Sync (localhost:9090):           X Failed
└ Error: No route to host

UDP Notify (localhost:9091):          △ Partial (250ms)
└ Registration test:                 X Timeout
└ Echo test:                        ✓ Success (slow)

gRPC Service (localhost:9092):        X Failed
└ Error: Connection refused
```

```
WebSocket Chat (localhost:9093):    X Failed
└ Error: Connection refused
```

Overall connectivity: X Major issues detected

*Troubleshooting suggestions:*

1. Check if servers are running: mangahub server status
2. Start servers: mangahub server start
3. Check firewall settings
4. Verify config file: mangahub config show server
5. Check logs: mangahub server logs --level error

#### *Database Issues*

```
# Repair database
mangahub db repair
```

```
# Reinitialize if needed
mangahub init --force
```

#### **Expected Output for mangahub db repair:**

Running database integrity check and repair...

```
Database: ~/.mangahub/data.db
Size: 2.3 MB
```

Checking tables...

```
users table:            ✓ 15 records, no corruption
manga table:           ✓ 42 records, no corruption
user_progress table:   △ 127 records, 3 orphaned entries found
```

Repairing issues...

- ✓ Removed 3 orphaned progress entries
- ✓ Rebuilt indexes for performance
- ✓ Updated database statistics
- ✓ Compressed database (saved 0.3 MB)

Database repair completed successfully!

**Summary:**

Issues found: 3 orphaned entries  
Issues fixed: 3  
Performance: Improved (faster queries expected)  
Size after repair: 2.0 MB

Your data is intact and the database is now optimized.

**Database Corruption Output:**

Running database integrity check and repair...

Database: ~/.mangahub/data.db  
Size: 2.3 MB

X Critical database corruption detected!

**Issues found:**

- users table: 5 corrupted records
- manga table: Schema mismatch
- user\_progress table: Index corruption

⚠ Automatic repair failed. Manual intervention required.

**Recovery options:**

1. Restore from backup:  
`mangahub backup restore --input backup-2024.tar.gz`
2. Reinitialize database (DESTROYS ALL DATA):  
`mangahub init --force --wipe-data`
3. Export recoverable data first:  
`mangahub export library --output library-backup.json --ignore-errors`

Contact support if you need assistance with data recovery.

**Connection Issues**

# Test server connectivity  
`mangahub server ping`

```
# Reset network connections
mangahub sync reconnect
```

#### Database Issues

```
# Repair database
mangahub db repair
```

```
# Reinitialize if needed
mangahub init --force
```

#### Debug Mode

```
# Run with debug Logging
mangahub --verbose <command>
```

```
# Enable trace logging
mangahub config set logging.level trace
```

#### Log Analysis

```
# View error logs
mangahub logs errors
```

```
# Search logs
mangahub logs search "connection failed"
```

```
# Clear old logs
mangahub logs clean --older-than 30d
```

### Examples and Use Cases

#### Daily Usage Workflow

```
# Morning routine
mangahub server start &
mangahub sync connect
mangahub notify subscribe
```

```
# Check for new chapters
mangahub manga search --new-chapters
```

```
# Update reading progress
mangahub progress update --manga-id current-read --chapter 42
```

```
# Join community chat
mangahub chat join
```

#### Bulk Library Management

```
# Export current library for backup
mangahub export library --format json --output backup.json
```

```
# Import manga from another service
mangahub import --format mal --input myanimelist-export.xml

# Bulk status update
mangahub library batch-update --status completed --file completed-manga.txt
```

## Server Administration

```
# Start production server
mangahub server start --config production.yaml --daemon

# Monitor server health
mangahub server health --continuous

# Rotate logs
mangahub logs rotate
```

## API Integration

### Custom Scripts

The CLI can be used in shell scripts:

```
#!/bin/bash
# Auto-update reading progress from external source

while IFS=',' read -r manga_id chapter; do
    mangahub progress update --manga-id "$manga_id" --chapter "$chapter"
done < progress-updates.csv
```

## JSON Output

Most commands support JSON output for programmatic use:

```
# Get Library as JSON
mangahub library list --output json

# Search results as JSON
mangahub manga search "keyword" --output json | jq '.results[].title'
```

## Support and Updates

### Getting Help

```
# General help
mangahub help

# Command-specific help
```

```
mangahub manga help  
mangahub library help
```

## Version Information

*# Check version*

```
mangahub version
```

*# Check for updates*

```
mangahub update check
```

*# Update to latest version*

```
mangahub update install
```

## Bug Reports

To report issues:

1. Run command with --verbose flag

2. Check logs: `mangahub logs errors`

3. Include system info: `mangahub system info`

This manual covers all major functionality of the MangaHub CLI application. For additional features or specific use cases, refer to the built-in help system or consult the online documentation.