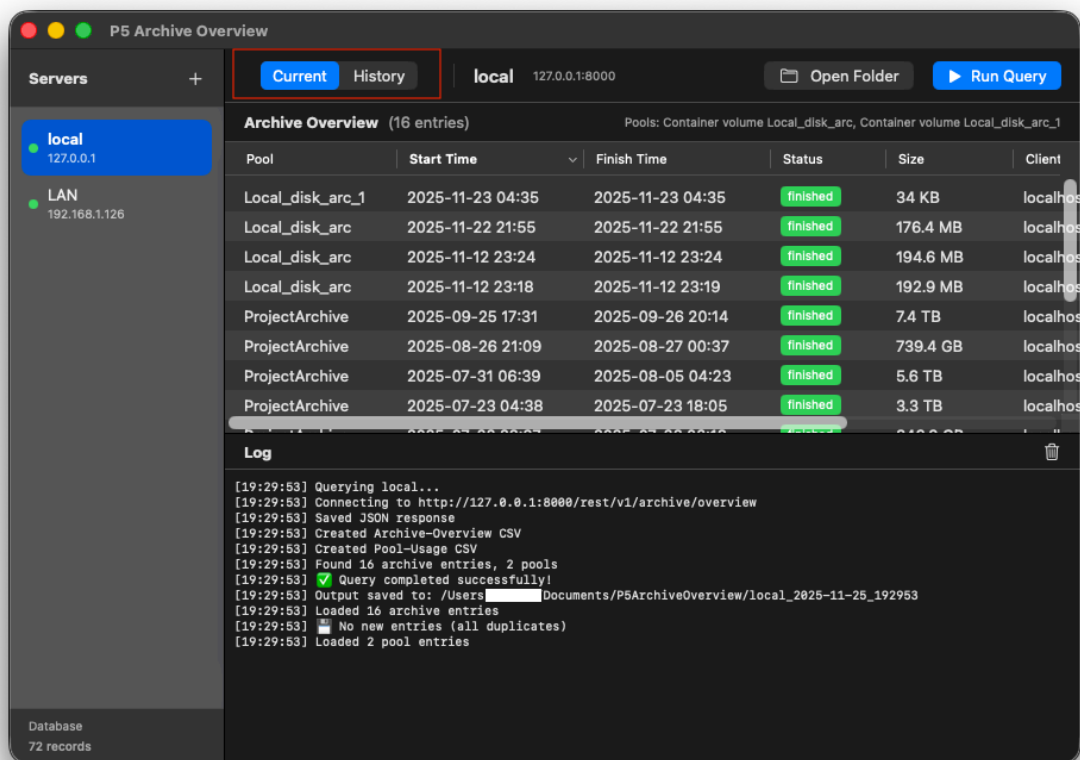# P5 Archive Overview

User Guide

Version 1.0

Introduction

P5 Archive Overview is a native macOS application designed to query and manage Archiware P5 Archive server data. The application provides secure credential storage using the macOS Keychain, maintains a historical database of archive queries using SQLite, and offers CSV export capabilities for both real-time and historical data.

System Requirements

Minimum Requirements

- macOS 14.0 (Sonoma) or later
- Archiware P5 server with REST API enabled
- Network access to P5 server(s)
- **jq** - Command-line JSON processor for CSV generation during queries

Note: jq is included by default in macOS 15 (Sequoia) and later (or install jq using MacPorts or Homebrew)

Getting Started

Adding Your First Server

1. Launch P5 Archive Overview
2. Click the + button in the Servers sidebar
3. Enter the following information:

Alias: A friendly name for this server (e.g., "Production P5")
IP Address: The server's IP address or hostname
Port: The P5 REST API port (default: 8000)
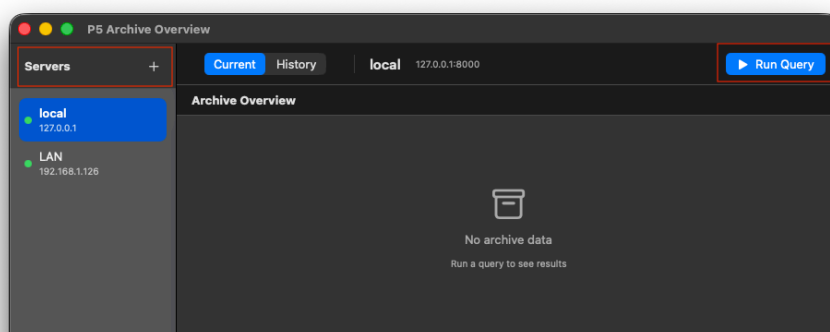**API Version:** The API version (default: v1)
Username: Your P5 username
Password: Your P5 password (stored securely in Keychain)

4. Click Add to save the server configuration

Running Your First Query

5. Select a server from the sidebar
6. Click the Run Query button in the toolbar
7. Monitor progress in the Log panel at the bottom
8. View results in the Archive Overview table

Main Interface

Sidebar

The left sidebar displays all configured servers with a status indicator. A green dot indicates the server has saved credentials, while an orange dot indicates credentials may need to be re-entered. Right-click on any server to edit or delete it.

View Toggle

The toolbar contains a segmented control to switch between Current (live query results) and History (historical database records) views.

Current View

The Current view is split into two panels:

- **Archive Overview Table (top):** Displays results from the most recent query with sortable columns for Pool, Start Time, Finish Time, Status, Size, Client, and Directories
- **Log Panel (bottom):** Shows timestamped progress messages, errors, and status updates

History View

The History view displays all archived query results stored in the SQLite database. Use the server filter dropdown to view records from a specific server or all servers. The history table includes an additional Server column and supports the same sorting capabilities as the Current view.

Working with Data

Understanding Query Results

Each archive entry contains the following information:

Field	Description
Pool	The archive pool/plan name
Start Time	When the archive job started
Finish Time	When the archive job completed
Status	Job status (Finished, Running, Failed, etc.)
Size	Total size of archived data (displayed in KB, MB, GB, or TB)
Client	The client machine that initiated the archive
Directories	Source directories that were archived (hover to see full list)

Automatic Deduplication

When query results are saved to the database, the application automatically deduplicates entries based on a unique combination of server alias, pool, start time, finish time, and client. This means running the same query multiple times will not create duplicate records in the history.
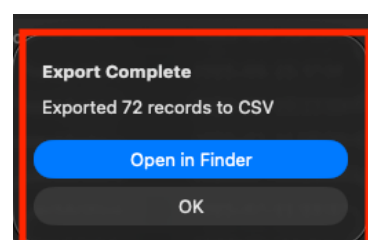
Exporting Data

Query Results Export

Each query automatically exports results to CSV files (if jq is installed). Click the Open Folder button to access the output directory containing Archive-Overview and Pool-Usage CSV files.

History Export

In the History view, click the export button (↑) to export all displayed records to a CSV file. The export respects the current server filter, allowing you to export data for a specific server or all servers.

File Locations

The application stores files in the following locations:

File Type	Location
Query Output	`~/Documents/P5ArchiveOverview/[ServerAlias]_[timestamp]/`
SQLite Database	`~/Library/Application Support/P5ArchiveOverview/` `P5ArchiveHistory.sqlite`
History CSV Export	`~/Documents/P5ArchiveOverview/` `ArchiveHistory_[Server]_[timestamp].csv`
Server Configs	macOS UserDefaults (automatic)
Passwords	macOS Keychain (service: com.p5archiveoverview)

Query Output Files

Each query creates a timestamped folder containing:

- response_[timestamp].json - Raw JSON response from the P5 API
- Archive-Overview_[alias]_[timestamp].csv - Archive job details
- Pool-Usage_[alias]_[timestamp].csv - Pool capacity information

Server Management

Editing a Server

9. Right-click on the server in the sidebar
10. Select Edit from the context menu
11. Modify the desired fields (leave password blank to keep existing)
12. Click Save

Deleting a Server

13. Right-click on the server in the sidebar
14. Select Delete from the context menu

Note: Deleting a server removes its configuration and Keychain entry but does not delete historical data from the database.

History Management

Viewing History

15. Toggle to the History view using the segmented control
16. Use the server filter dropdown to filter by server
17. Click column headers to sort the data

Deleting History

18. In the History view, click the trash icon
19. Confirm the deletion in the dialog

Note: If a server filter is active, only records for that server will be deleted. Otherwise, all history will be deleted.

Troubleshooting

Common Issues

"No password found for server"

The password may have been removed from Keychain. Edit the server and re-enter the password.

Query fails with curl error

Check the following:
- Verify the server IP address and port are correct
- Ensure the P5 REST API is enabled on the server
- Confirm the username and password are valid
- Check network connectivity to the P5 server

CSV files not created

Install jq using MacPorts or Homebrew: brew install jq. The JSON response is always saved regardless of jq availability.

Invalid JSON response

This usually indicates authentication failed or the API endpoint is incorrect. Verify credentials and check that the API version matches your P5 server.

Keyboard Shortcuts

Action	Shortcut
Cancel/Close Dialog	Escape
Confirm/Save Dialog	Return/Enter
Quit Application	Cmd+Q

Support

For issues, feature requests, or contributions, please visit the project repository or contact the developer.

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