

AccuFund Migration Guide

Mr. MoneyBags v1.x

Comprehensive Migration & Implementation

 Mr. MoneyBags Logo

© 2025 San Francisco AI Factory

All rights reserved.

Last updated: August 2025

Table of Contents

1	Executive Summary	1
2	Pre-Migration Planning	2
2.1	Stakeholder Alignment	2
2.2	Assessment Checklist	2
2.3	Data Backup Procedures	3
2.4	Timeline Planning	3
3	System Architecture Comparison	4
4	Data Migration Process	5
5	Migrating New Banking Features	6
5.1	Bank Reconciliation	6
5.2	Bank Deposits	7
5.3	Check Printing	7
6	Authentication & Security Migration	8
7	Chart of Accounts Mapping	9
8	Fund Structure Migration	10
9	Historical Data Migration	11
9.1	Journal Entries	11
9.2	Balances	11
10	Vendor Payment Migration	12
11	Reporting Migration	13
12	Post-Migration Setup	14
13	Testing & Validation Procedures	15

14	Go-Live Checklist	16
15	Common Issues & Troubleshooting	17
16	Support & Resources	18

1 Executive Summary

AccuFund has long served nonprofits with baseline fund-accounting. Mr. MoneyBags v1.x offers a modern, web-based, multi-entity platform with:

- Full banking suite – bank reconciliation, electronic deposits, and check printing
- NACHA/ACH vendor payments with automated file generation
- Role-based authentication & session management
- Modular JavaScript frontend and RESTful backend for easier maintenance
- Enhanced reporting (interactive & PDF) and custom report builder
- Consolidated multi-entity financials
- Professional, responsive UI

Migrating unlocks speed, collaboration, security, and reduced licensing costs while preserving historical data integrity.

Note: This guide focuses on the comprehensive v1.x migration process, which includes new banking features, authentication system, and modular architecture not present in legacy v9.0 migrations.

2 Pre-Migration Planning

2.1 Stakeholder Alignment

Role	Responsibility
Finance Lead	Chart-of-accounts & fund mapping
IT Lead	Infrastructure, data extraction, validation
Executive Sponsor	Approval, budget, timeline

2.2 Assessment Checklist

- Inventory AccuFund modules in use
- Identify custom reports/macros
- Note integrations (bank feeds, payroll, CRM)
- Verify hardware / OS for Mr. MoneyBags server (Ubuntu 24 LTS recommended)

2.3 Data Backup Procedures

1. Run AccuFund's **Database Backup** utility (full & differential).
2. Copy backups to offline media and encrypted cloud storage.
3. Document backup hash values for verification.

2.4 Timeline Planning

Typical mid-size nonprofit (3 entities, 5 yrs history):

Phase	Duration
Discovery & Mapping	1 week
Sandbox Migration & Testing	2 weeks
User Acceptance Testing	1 week
Go-Live Preparation	3 days
Cut-over & Support	2 days

Tip: Schedule migration during a period of lower financial activity, ideally between accounting periods.

3 System Architecture Comparison

Capability	AccuFund	Mr. MoneyBags v1.x
Deployment	Windows on-prem	Ubuntu 24 LTS / Docker
UI	Windows desktop	Web (responsive)
Multi-Entity Consolidation	Limited	Native, real-time
Authentication	Windows login / static	Bcrypt-hashed passwords, sessions, role-based access
Bank Reconciliation	Basic manual	Automated match, adjustments, reports
Electronic Deposits	None	Integrated deposit slips & clearing
Check Printing Formats	Fixed templates	Customizable formats & batch printing
ACH Payments	Plug-in	Built-in NACHA generator
Reporting	Crystal Reports	Built-in interactive + PDF, custom builder
API	None	REST/JSON (covered in Admin Guide)

Architecture Note: Mr. MoneyBags v1.x uses a modular JavaScript frontend with RESTful API backend, allowing for better separation of concerns and easier maintenance compared to AccuFund's monolithic architecture.

4 Data Migration Process

Master Sequence

1. **Entities & Funds**
2. **Chart of Accounts**
3. **Users & Roles**
4. **Vendors & Bank Accounts**
5. **Opening Balances**
6. **Historical Transactions**
7. **Outstanding Checks & Deposits**
8. **Custom Reports Definitions**

Each step is idempotent; reruns are safe after clearing staging tables.

Important: Always run migration scripts in the specified order. Skipping steps or changing the sequence may result in data integrity issues.

5 Migrating New Banking Features

5.1 Bank Reconciliation

The new bank reconciliation module in Mr. MoneyBags v1.x offers significant improvements over AccuFund's basic reconciliation capabilities:

- Export last reconciled statement date from AccuFund (`bank_accounts.last_reconciliation_date`).
- Import statements CSV → `/api/bank-reconciliation/statements/upload` .
- Auto-match transactions; flag unmatched for manual review.

Feature Highlight: The new bank reconciliation system includes automatic transaction matching algorithms that can significantly reduce manual reconciliation time.

5.2 Bank Deposits

The bank deposits module is entirely new in Mr. MoneyBags v1.x and has no direct equivalent in AccuFund:

- Export open deposit batches.
- Map to `bank_deposits` and `bank_deposit_items` .
- Verify cleared status → run **Deposit Slip** report.

5.3 Check Printing

The check printing module offers customizable formats and improved workflow:

- Export vendor checks outstanding.
- Assign check numbers or let system auto-number.
- Choose default format or recreate custom layout in **Check Formats** tab.

Tip: Test check printing alignment with blank paper before using actual check stock.

6 Authentication & Security Migration

Mr. MoneyBags v1.x implements a comprehensive authentication system with bcrypt password hashing, session management, and role-based access control:

1. Create admin user via `INSERT ... users` with bcrypt hash (`bcrypt-cli` recommended).
2. Bulk-import users; map AccuFund security groups to Mr. MoneyBags roles:
 - `Administrator` → `admin`
 - `General Ledger` → `finance`
 - `View Only` → `viewer`
3. In Settings → Users tab, verify role-based UI access.

Security Note: Never migrate passwords in plain text. Either use hashed values or set temporary passwords that users must change on first login.

7 Chart of Accounts Mapping

- Extract `gl_accounts` to CSV.
- Use **COA Mapping Sheet** (template in `/templates/coa-mapping.xlsx`):
 - Old Account # → New Code
 - Name & Type verification
- Import via `/api/chart-of-accounts/bulk-import`.
- Run **Trial Balance** report to ensure zero variance.

Best Practice: Maintain a consistent account numbering scheme between systems to minimize user retraining.

8 Fund Structure Migration

- Export `funds` with type (unrestricted/temporarily/permanently restricted).
- Import with hierarchy (parent fund) if applicable.
- Enable **Consolidate Children** flag where necessary.

Tip: Mr. MoneyBags v1.x supports nested fund hierarchies, which can be used to create more sophisticated reporting structures than were possible in AccuFund.

9 Historical Data Migration

9.1 Journal Entries

- Export GL detail by fiscal year.
- Use staging table `import_journal_entries` .
- Run `sp_process_imported_journal_entries()` to validate balancing.

9.2 Balances

- After journal import, run system **Rebuild Balances** utility.

Important: Verify all account balances match between systems before proceeding to the next migration step.

10 Vendor Payment Migration

1. Export vendor list + bank details.
2. Import to `vendor_bank_accounts` .
3. Verify **Routing #** passes checksum (tool in Vendor Payments page).
4. Import unpaid vouchers to `payment_items` (status `Pending`).

NACHA Feature: Mr. MoneyBags v1.x includes built-in NACHA file generation for ACH payments, eliminating the need for third-party plugins required with AccuFund.

11 Reporting Migration

Report Type	Migration Action
Standard Financials	Available natively – no action
Custom Crystal Reports	Recreate in Report Builder or export to Excel & use Custom Reports
Ad-hoc Queries	Use Natural Language Queries module

Tip: The Natural Language Queries feature allows users to ask questions in plain English, making it easier for non-technical users to generate ad-hoc reports.

12 Post-Migration Setup

- Connect live bank feeds or upload OFX/CSV.
- Configure check printer alignment and default format.
- Train users (see **User Guide v1.x** pp 45-78).
- Schedule nightly PostgreSQL backups with `pg_dump` .

Backup Recommendation: Configure automated backups to both local storage and secure cloud storage for disaster recovery purposes.

13 Testing & Validation Procedures

1. **Record Counts** – Source vs target tables.
2. **Financial Totals** – Trial balance per entity & consolidated.
3. **Random Transaction Drill-Down** – 5 per month.
4. **Bank Rec Integrity** – Ending balance equals statement.
5. **User Access** – Role matrix acceptance testing.

Critical: Verify that all financial reports match between systems before proceeding to go-live.

14 Go-Live Checklist

- Final backup of AccuFund database
- Freeze data entry in AccuFund
- Run delta migration scripts (last 48 h)
- Switch DNS / URL for end users
- Monitor logs & performance for 48 h
- Decommission AccuFund access (read-only archived)

Communication Tip: Provide users with a quick reference guide highlighting key differences between AccuFund and Mr. MoneyBags v1.x interfaces.

15 Common Issues & Troubleshooting

Symptom	Cause	Resolution
"Failed to authenticate"	Old password hashes	Reset via admin panel
Out-of-balance JE import	Missing fund code	Update mapping sheet & re-import
Check format misaligned	Printer DPI difference	Adjust X/Y offsets in Check Formats
ACH file rejected by bank	Bank ID mismatch	Verify Immediate Origin/ Destination codes

16 Support & Resources

- **Administrator Guide v1.x** – system configuration details
- **User Guide v1.x** – daily operations & banking modules
- Community Forum – <https://community.mrmoneybags.org>
- Email Support – support@mrmoneybags.org
- Professional Services – migration@solutions.mrmoneybags.org

© 2025 San Francisco AI Factory. All rights reserved.