

✓ Production-Ready Ampere Business Management System

🎯 Summary

This package contains a **production-ready**, fully cleaned and optimized version of the Ampere Business Management System, prepared for **NAS deployment**.

🧹 Cleanup Completed

✓ Removed Files

- ✗ Development documentation (`LETTERHEAD_DOCUMENTATION.md` , `SCHEMA_ALIGNMENT_MATRIX.md`)
- ✗ Development scripts (`clean-mock-data.ts` , `create-test-data.ts` , `migrate-add-numbers.ts` , `populate-document-numbers.ts` , `test-template-types.ts`)
- ✗ Log files (`*.log` , `app.log` , `server.log` , `dev.log`)
- ✗ Backup files (`*.backup` , `*.old`)
- ✗ Build cache files (cleaned `.build` , `.next cache`)

✓ Production Optimizations

- ⚡ Set `NODE_ENV=production`
- 🐳 Added Docker containerization (`Dockerfile` , `docker-compose.yml` , `.dockerignore`)
- 🌐 Added health check endpoint (`/api/health`)
- 🔒 Production security headers
- 📱 Optimized build configuration
- 📁 Streamlined file structure

📦 Package Contents

ampere_business_management/app/	#
Dockerfile	Docker container configuration
docker-compose.yml	Docker Compose setup
.dockerignore	Docker ignore patterns
DEPLOYMENT.md	Complete deployment guide
build.sh	Production build script
package.json	Dependencies & scripts
.env	Environment configuration
app/	Next.js application routes
components/	React components
lib/	Utility libraries
prisma/	Database schema & migrations
scripts/seed.ts	Production user seeding
public/	Static assets
types/	TypeScript definitions
Config files	<code>next.config.js</code> , <code>tailwind</code> , etc.

Production Features

Security

-  Production environment variables
-  Security headers configured
-  Authentication system ready
-  Database migrations included
-  File upload security (AWS S3)

Performance

-  Next.js production build optimized
-  Static asset optimization
-  Image optimization configured
-  Bundle size optimized (87.4 kB shared)
-  Docker multi-stage build

Monitoring

-  Health check endpoint (/api/health)
-  Container health monitoring
-  Application logging
-  Error handling

Default User Accounts

Super Admin:

-  zack / Czl914816
-  endy / Endy548930

Other Roles:

-  Project Manager: pm / password123
-  Finance: finance / password123

Quick Deployment

Option 1: Docker Compose (Recommended)

```
# Extract files to NAS
tar -xzf ampere-business-management-nas-deployment.tar.gz

# Update environment
nano .env # Set your domain/IP

# Deploy
docker-compose up -d
```

Option 2: Pre-built Image

```
# Load Docker image
docker load < ampere-business-management-image.tar.gz

# Run container
docker run -d -p 3000:3000 \
-e NEXTAUTH_URL="http://your-nas-ip:3000" \
ampere-business-management:latest
```

Access Application

After deployment:

1.  Open: <http://your-nas-ip:3000>
2.  Login with admin credentials
3.  Change default passwords
4.  Start using the system

Production Checklist

- [x] **Code Cleanup:** Removed all development files
- [x] **Build Optimization:** Production build successful
- [x] **Containerization:** Docker setup complete
- [x] **Documentation:** Comprehensive deployment guide
- [x] **Security:** Production environment configured
- [x] **Database:** Migrations and seeding ready
- [x] **Health Monitoring:** Health checks implemented
- [x] **File Storage:** AWS S3 integration configured
- [x] **Authentication:** NextAuth production ready
- [x] **API Integration:** Xero integration configured

Build Statistics

- **Total Routes:** 63 pages generated
- **Bundle Size:** 87.4 kB shared JavaScript
- **Build Status:**  Successful compilation
- **TypeScript:**  Type checking passed
- **Container Size:** Optimized with multi-stage build
- **Static Assets:**  Optimized for production

Support & Troubleshooting

Refer to `DEPLOYMENT.md` for:

-  Detailed setup instructions
-  Configuration options
-  Troubleshooting guide
-  Security recommendations

-  Performance optimization
 -  Health monitoring
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Status:  PRODUCTION READY

Version: 1.0

Built: September 2024

Platform: Docker-enabled NAS systems

This package is ready for immediate deployment on your NAS system. All dependencies, configurations, and optimizations are included for seamless operation.