

BookStack Runbook

Runbook: BookStack

Service Type: Wiki / Knowledge Base **Container:** bookstack (lscr.io/linuxserver/bookstack:latest)
Ports: 6875 (external) → 80 (internal) **Internal URL:** http://localhost:6875 **External URL:**
http://192.168.68.61:6875 (LAN only, no Cloudflare tunnel yet) **Database:** MariaDB (bookstack_db)
Compose File: ~/system/services/bookstack/docker-compose.yml

Service Info

BookStack is the documentation wiki for BasicAS Group. Stores runbooks, system docs, org info.

Stack:

- **bookstack** - Main app (LinuxServer.io build)
- **bookstack_db** - MariaDB (LinuxServer.io build)

Access:

- **Admin URL:** http://localhost:6875 or http://192.168.68.61:6875
- **Admin Email:** admin@admin.com
- **Admin Password:** password
- **WARNING:** Default admin credentials! Change immediately after first login.

API:

- **Token ID:** alai-v2-84c8e63775a52492
 - **Token Secret:**
ff80c10c7c881d5dbf341500b3e826309a8570a11277d887143305d975b076de
 - **Config:** ~/system/config/bookstack.json
 - **Sync Tool:** node ~/system/tools/bookstack-sync.js sync
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Status Check

Container Health

```
docker ps | grep bookstack
```

Expected output:

```
bookstack      Up X hours
bookstack_db   Up X hours
```

HTTP Check

```
curl -I http://localhost:6875
```

Expected: `200 OK` or `302 Found`

API Check

```
curl -s -H "Authorization: Token alai-v2-84c8e63775a52492:ff80c10c7c881d5dbf341500b3e826309a8570a11277d887143305d975b076de"
http://localhost:6875/api/docs.json | head -5
```

Expected: JSON response with API docs.

Database Check

```
docker exec bookstack_db mariadb -u bookstack -p'8CdydCxVBD7wBoCVRXZE' bookstackapp -e "SELECT
count(*) FROM pages;"
```

Restart Procedure

Quick Restart (Container Only)

```
docker restart bookstack
```

Full Stack Restart (Container + Database)

```
cd ~/system/services/bookstack
docker compose down
docker compose up -d
```

Wait 30 seconds, then verify:

```
docker ps | grep bookstack
curl -I http://localhost:6875
```

Sync System Docs to BookStack

BookStack is auto-populated from ~/system/ using the sync tool.

Sync All Mapped Content

```
node ~/system/tools/bookstack-sync.js sync
```

Sync Single File

```
node ~/system/tools/bookstack-sync.js sync ~/system/rules/development.md
```

Check Sync Status

```
node ~/system/tools/bookstack-sync.js status
```

Force Overwrite All

```
node ~/system/tools/bookstack-sync.js push
```

Mapping File: ~/system/config/bookstack-sync-map.json **State File:** ~/system/config/bookstack-sync-state.json

Troubleshooting

Problem: Container won't start

Check logs:

```
docker logs bookstack --tail 100
```

Common causes:

1. Database not ready - wait 30s and retry
2. Port 6875 already bound - check `lsof -i :6875`
3. Volume permission issues - check `~/system/services/bookstack/data/`

Fix:

```
cd ~/system/services/bookstack
docker compose down
docker compose up -d bookstack_db
sleep 30
docker compose up -d bookstack
```

Problem: Can't login (wrong password)

Check if admin credentials were changed in UI:

- Default: admin@admin.com / password
- If changed, use new credentials or reset via database

Reset admin password:

```
docker exec -it bookstack php /app/www/artisan bookstack:create-admin --email=admin@admin.com
--name=Admin --password=newpassword
```

Problem: API returns 401 Unauthorized

Check token exists:

```
cat ~/system/config/bookstack.json
```

Regenerate token in UI:

1. Login to BookStack
2. Go to Settings → API Tokens

3. Create new token
4. Update ~/system/config/bookstack.json

Problem: Sync tool fails (500 error)

Check BookStack is running:

```
curl -I http://localhost:6875
```

Check API endpoint:

```
curl -s -H "Authorization: Token alai-v2-84c8e63775a52492:ff80c10c7c881d5dbf341500b3e826309a8570a11277d887143305d975b076de" http://localhost:6875/api/shelves | head -20
```

Check logs:

```
docker logs bookstack --tail 100
```

Problem: Database connection issues

Check database health:

```
docker exec bookstack_db mariadb-admin -u bookstack -p'8CdydCxVBD7wBoCVRXZE' ping
```

Expected: `mysqld is alive`

Check connection settings:

```
docker exec bookstack env | grep DB_
```

Expected:

```
DB_HOST=bookstack_db
DB_PORT=3306
DB_USERNAME=bookstack
DB_PASSWORD=8CdydCxVBD7wBoCVRXZE
DB_DATABASE=bookstackapp
```

API Usage

List Shelves

```
curl -s -H "Authorization: Token alai-v2-84c8e63775a52492:ff80c10c7c881d5dbf341500b3e826309a8570a11277d887143305d975b076de" http://localhost:6875/api/shelves
```

List Books

```
curl -s -H "Authorization: Token alai-v2-84c8e63775a52492:ff80c10c7c881d5dbf341500b3e826309a8570a11277d887143305d975b076de" http://localhost:6875/api/books
```

List Pages

```
curl -s -H "Authorization: Token alai-v2-84c8e63775a52492:ff80c10c7c881d5dbf341500b3e826309a8570a11277d887143305d975b076de" http://localhost:6875/api/pages
```

Create Page

```
curl -X POST -H "Authorization: Token alai-v2-84c8e63775a52492:ff80c10c7c881d5dbf341500b3e826309a8570a11277d887143305d975b076de" \ -H "Content-Type: application/json" \ -d '{"book_id":1,"name":"Page Title","markdown":"# Content"}' \ http://localhost:6875/api/pages
```

Full API docs: <http://localhost:6875/api/docs>

Dependencies

- **Docker** - Service runtime
 - **No external dependencies** - LAN-only access
-

Backup

Database Dump

```
docker exec bookstack_db mariadb-dump -u bookstack -p'8CdydCxVBD7wBoCVRXZE' bookstackapp |  
gzip > ~/backups/bookstack-$(date +%Y%m%d-%H%M%S).sql.gz
```

Data Volumes (includes uploads, images)

```
cd ~/system/services/bookstack  
tar -czf ~/backups/bookstack-data-$(date +%Y%m%d-%H%M%S).tar.gz data/
```

Restore from Backup

```
# Stop service  
cd ~/system/services/bookstack  
docker compose down  
  
# Restore database  
gunzip -c ~/backups/bookstack-YYYYMMDD-HHMMSS.sql.gz | docker exec -i bookstack_db mariadb -u  
bookstack -p'8CdydCxVBD7wBoCVRXZE' bookstackapp  
  
# Restore data (if needed)  
cd ~/system/services/bookstack  
tar -xzf ~/backups/bookstack-data-YYYYMMDD-HHMMSS.tar.gz  
  
# Start service  
docker compose up -d
```

Configuration

Key Environment Variables

- `APP_URL` - Public URL (http://192.168.68.61:6875)
- `APP_KEY` - Laravel encryption key (base64-encoded)

- `DB_HOST` - Database host (bookstack_db)
- `DB_USERNAME` - Database user (bookstack)
- `DB_PASSWORD` - Database password
- `DB_DATABASE` - Database name (bookstackapp)
- `QUEUE_CONNECTION` - Job queue driver (database)
- `PUID/PGID` - User/group IDs (1000/1000)
- `TZ` - Timezone (Europe/Sarajevo)

Full config: `~/system/services/bookstack/docker-compose.yml`

Application Settings (via UI)

- Access: Settings (gear icon, top-right)
- Customize: Branding, registration, auth, permissions

Content Structure

BookStack organizes content as:

```
Shelf (top-level category)
├─ Book (collection of pages)
│   └─ Page (markdown document)
│       └─ Chapter (optional grouping)
```

Current structure (as of 2026-02-10):

- 2 shelves (BasicAS System, Organization)
- 15 books (System Architecture, Operations, Runbooks, etc.)
- 43 pages (GOTCHA framework, rules, agent docs, runbooks, etc.)

Notes

- **Admin password:** Default is `password` - MUST be changed!
 - **External access:** LAN-only (no Cloudflare tunnel) - consider adding tunnel for remote access
 - **API token:** Stored in plaintext in config file - secure via file permissions (chmod 600)
 - **Sync tool:** Auto-updates BookStack from `~/system/` markdown files
 - **Timezone:** Europe/Sarajevo (BiH time)
 - **LinuxServer.io build:** Community-maintained, not official BookStack image
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Last updated: 2026-02-10 **Maintained by:** John (AI Director)

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