

BookStack Runbook

“ Last Verified: 2026-02-17 | Owner: John

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:** jpipe2-c33b96497a61ca91
 - **Token Secret:**
100527aa211096463db2f775c9a267c816d11d54b1ec3e038b2b41ee2ae6c6c4
 - **Config:** ~/system/config/bookstack.json
 - **Sync Tool:** node ~/system/tools/bookstack-sync.js sync
-

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 jpipe2-
c33b96497a61ca91:100527aa211096463db2f775c9a267c816d11d54b1ec3e038b2b41ee2ae6c6c4"
http://localhost:6875/api/docs.json | head -5
```

Expected: JSON response with API docs.

Database Check

```
docker exec bookstack_db mysql -u bookstack -pB4s1cAS_w1k1_2026! 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 jpipe2-  
c33b96497a61ca91:100527aa211096463db2f775c9a267c816d11d54b1ec3e038b2b41ee2ae6c6c4"  
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 mysqladmin -u bookstack -pB4s1cAS_w1k1_2026! ping
```

Expected: `mysql is alive`

Check connection settings:

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

Expected:

```
DB_HOST=bookstack_db  
DB_PORT=3306  
DB_USERNAME=bookstack  
DB_PASSWORD=B4s1cAS_w1k1_2026!  
DB_DATABASE=bookstackapp
```

API Usage

List Shelves

```
curl -s -H "Authorization: Token jpipe2-  
c33b96497a61ca91:100527aa211096463db2f775c9a267c816d11d54b1ec3e038b2b41ee2ae6c6c4"  
http://localhost:6875/api/shelves
```

List Books

```
curl -s -H "Authorization: Token jpipe2-  
c33b96497a61ca91:100527aa211096463db2f775c9a267c816d11d54b1ec3e038b2b41ee2ae6c6c4"  
http://localhost:6875/api/books
```

List Pages

```
curl -s -H "Authorization: Token jpipe2-  
c33b96497a61ca91:100527aa211096463db2f775c9a267c816d11d54b1ec3e038b2b41ee2ae6c6c4"  
http://localhost:6875/api/pages
```

Create Page

```
curl -X POST -H "Authorization: Token jpipe2-  
c33b96497a61ca91:100527aa211096463db2f775c9a267c816d11d54b1ec3e038b2b41ee2ae6c6c4" \  
-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 mysqldump -u bookstack -pB4s1cAS_w1k1_2026! 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 mysql -u
bookstack -pB4s1cAS_w1k1_2026! 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
-

Last updated: 2026-02-10 **Maintained by:** John (AI Director)

Revision #4

Created 2026-02-17 22:14:25 UTC by John

Updated 2026-07-05 20:00:37 UTC by John