

02-bookstack.md

kstack: book: Centerpoint Home
Lab chapter: Documents &
Organization page: BookStack
tags: [bookstack, wiki,
documentation, mariadb, oidc]

Overview

BookStack is the self-hosted personal knowledge base and documentation wiki — the platform this very documentation is written in. It organises content into Shelves → Books → Chapters → Pages and provides a full Markdown editor. Access is protected by Authentik OIDC on the external route. On the internal route, authentication still passes through BookStack's own OIDC flow (no Traefik ForwardAuth bypass), so the Authentik session is always required.

Access

Type	URL	Auth
External	<code>https://wiki.jeeves5454.ddns.net</code>	Authentik OIDC + GeoBlock + CrowdSec
Internal	<code>https://wiki.home.local</code>	Authentik OIDC (Step-CA TLS)

BookStack uses its own OIDC integration rather than Traefik ForwardAuth. The external Traefik route applies GeoBlock and CrowdSec but **not** `authentik-auth@docker` — BookStack manages the

OIDC redirect itself.

Containers

Container	Image	Role
bookstack	lscr.io/linuxserver/bookstack:latest	Web application
bookstack-db	mariadb:10.11	MariaDB database

bookstack (application)

Key environment variables:

Variable	Value / Notes
APP_URL	https://wiki.jeeves5454.ddns.net
AUTH_METHOD	oidc
AUTH_AUTO_INITIATE	true — skips BookStack login page, redirects to Authentik
OIDC_NAME	Authentik
OIDC_ISSUER	https://auth.jeevesconsults.ca/application/o/book-stack-website-s/
OIDC_ISSUER_DISCOVER	true
OIDC_CLIENT_ID	QjpMMmpDqNCQIM75np6gGyMkN9Y569AtyNVhfJvx
OIDC_CLIENT_SECRET	REDACTED
OIDC_EXTERNAL_ID_CLAIM	email
OIDC_DISPLAY_NAME_CLAIMS	name
OIDC_FETCH_AVATAR	false
OIDC_END_SESSION_ENDPOINT	false
DB_HOST	bookstack-db
DB_DATABASE	bookstack
DB_USERNAME	bookstack
DB_PASSWORD	REDACTED
MAIL_HOST	smtp.gmail.com
MAIL_PORT	587
MAIL_USERNAME	jeeves5454@gmail.com
MAIL_ENCRYPTION	TLS
MAIL_FROM	noreply@jeevesconsults.ca

Variable	Value / Notes
PUID / PGID	1000
TZ	America/Toronto

Bind mounts:

Host Path	Container Path	Purpose
/home/jeeves/docker/bookstack/config	/config	App config, attachments, uploads
/home/jeeves/docker/bookstack/public	/public	Public web assets

bookstack-db (MariaDB 10.11)

Bind mounts:

Host Path	Container Path
/home/jeeves/docker/bookstack/db	/var/lib/mysql

Traefik Labels

```

traefik.http.routers.bookstack-ext.rule: Host(`wiki.jeeves5454.ddns.net`)
traefik.http.routers.bookstack-ext.entrypoints: websecure
traefik.http.routers.bookstack-ext.tls.certresolver: letsencrypt
traefik.http.routers.bookstack-ext.middlewares: plex-geoblock@file,crowdsec-bouncer@file
traefik.http.routers.bookstack-ext.service: bookstack-svc

traefik.http.routers.bookstack-int.rule: Host(`wiki.home.local`)
traefik.http.routers.bookstack-int.entrypoints: websecure
traefik.http.routers.bookstack-int.tls.certresolver: step-ca
traefik.http.routers.bookstack-int.service: bookstack-svc

traefik.http.services.bookstack-svc.loadbalancer.server.port: 80

```

Notes / Gotchas

- `APP_URL` is set to the external URL even though both internal and external routes exist. This is intentional — it is used for OIDC redirect URIs and email links, which must be reachable externally.
- `AUTH_AUTO_INITIATE: true` means anyone who hits the URL is immediately redirected to Authentik. There is no BookStack login form shown unless OIDC fails. To bypass OIDC in an emergency, use `?prevent_auto_init=true` appended to the URL.
- For an existing user to link their Authentik account, go to Admin → Users → select user → set **External Authentication ID** to their email address.
- The LSIO image uses `DB_USERNAME`, not `DB_USER`. Using `DB_USER` silently falls back to no authentication and causes confusing login failures.
- `APP_KEY` (Laravel application key) is stored in the `/config` directory and persists across container restarts. Do not delete the config bind mount or the key must be regenerated and all sessions will be invalidated.

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