

homesever

Apps to host at home

- [bookstack](#)

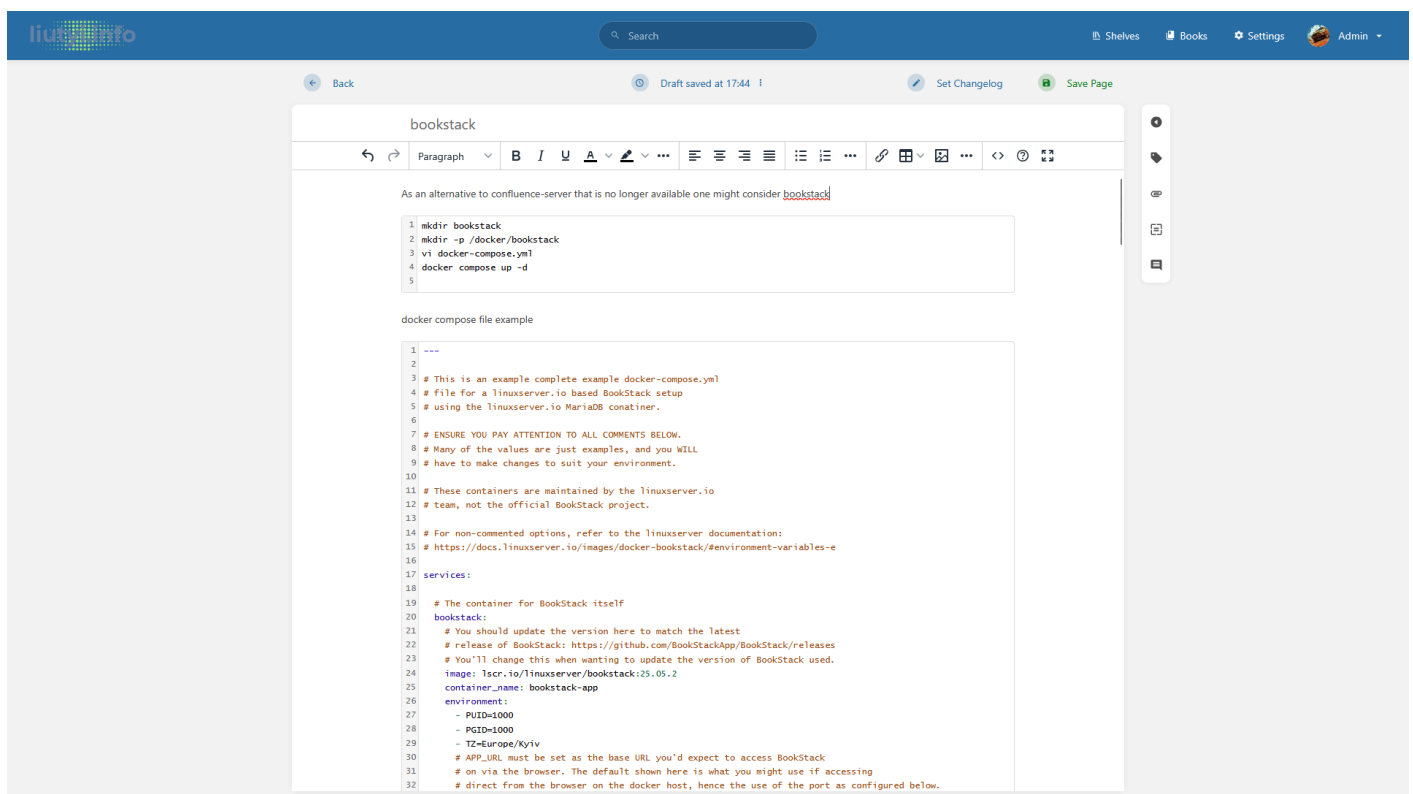
bookstack

Intro

As an alternative to confluence-server that is no longer available one might consider bookstack

Screenshots

Page edit example



The screenshot shows the BookStack page editor interface. At the top, there is a blue header with the 'linuxserver.io' logo, a search bar, and navigation links for 'Shelves', 'Books', 'Settings', and 'Admin'. Below the header, the page title is 'bookstack'. The editor toolbar includes options for Paragraph, Bold, Italic, Underline, Text Color, Background Color, Bulleted List, Numbered List, Indent, Outdent, Link, Table, Image, and Code. The main content area contains the following text and code blocks:

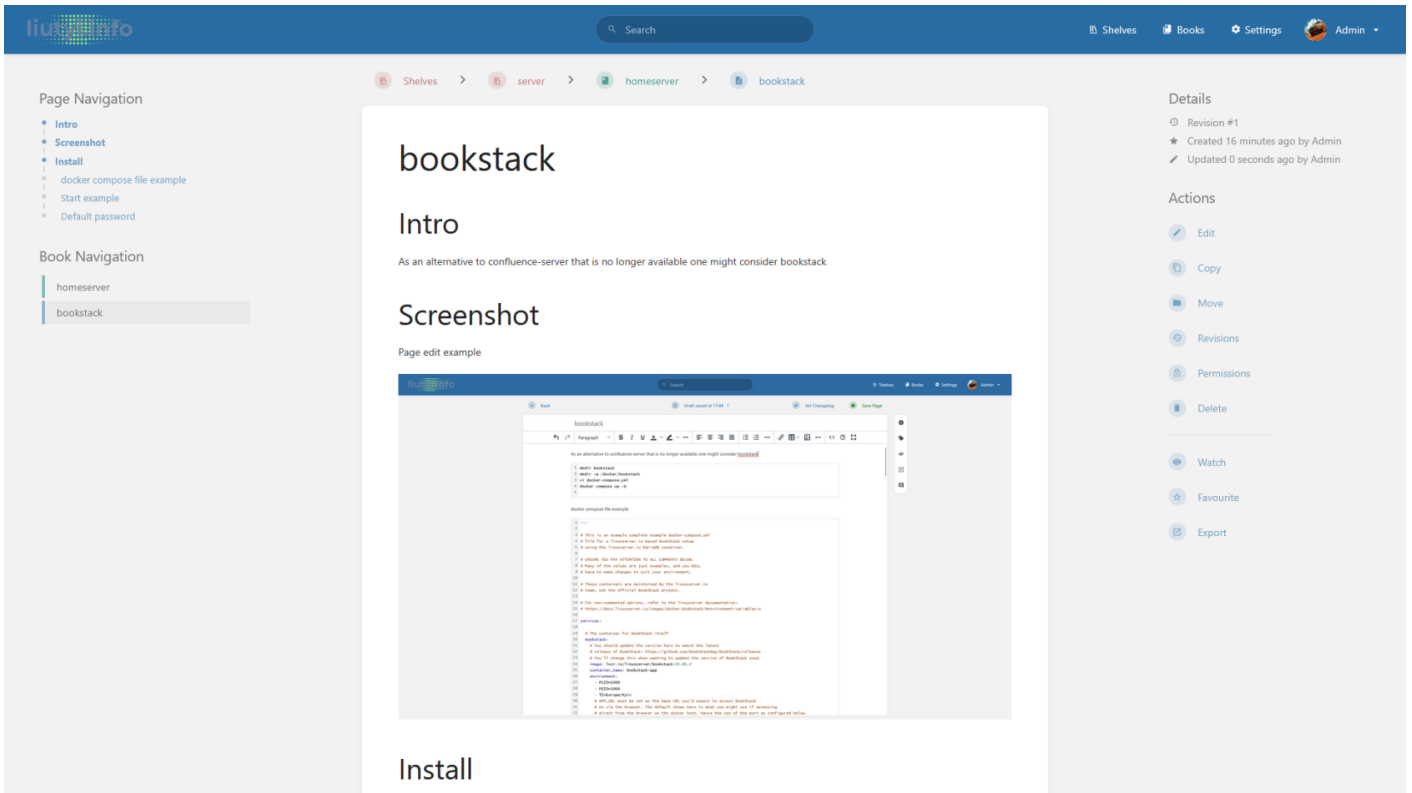
As an alternative to confluence-server that is no longer available one might consider [bookstack](#)

```
1 mkdir bookstack
2 mkdir -p /docker/bookstack
3 vi docker-compose.yml
4 docker compose up -d
5
```

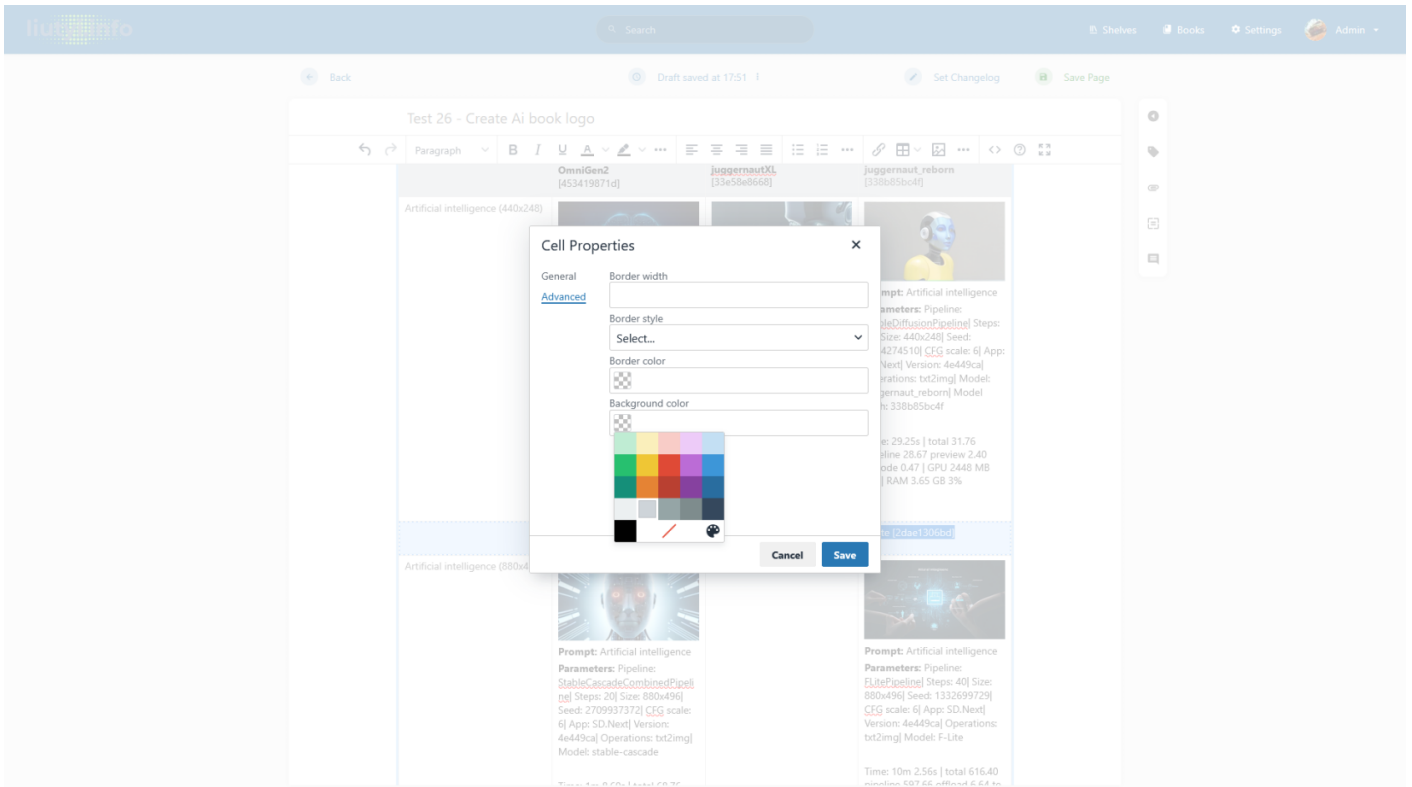
docker compose file example

```
1 ---
2
3 # This is an example complete example docker-compose.yml
4 # file for a linuxserver.io based BookStack setup
5 # using the linuxserver.io MariaDB container.
6
7 # ENSURE YOU PAY ATTENTION TO ALL COMMENTS BELOW.
8 # Many of the values are just examples, and you WILL
9 # have to make changes to suit your environment.
10
11 # These containers are maintained by the linuxserver.io
12 # team, not the official BookStack project.
13
14 # For non-commented options, refer to the linuxserver documentation:
15 # https://docs.linuxserver.io/images/docker-bookstack/#environment-variables-e
16
17 services:
18
19 # The container for BookStack itself
20 bookstack:
21 # You should update the version here to match the latest
22 # release of BookStack: https://github.com/BookStackApp/BookStack/releases
23 # You'll change this when wanting to update the version of BookStack used.
24 image: lscr.io/linuxserver/bookstack:25.05.2
25 container_name: bookstack-app
26 environment:
27   - PGID=1000
28   - FUID=1000
29   - TZ=Europe/Kyiv
30 # APP_URL must be set as the base URL you'd expect to access BookStack
31 # on via the browser. The default shown here is what you might use if accessing
32 # direct from the browser on the docker host, hence the use of the port as configured below.
```

Page View



changing table row cell color



Install

using docker compose

```
mkdir bookstack
mkdir -p /docker/bookstack
vi docker-compose.yml
docker compose up -d
```

docker compose file example

```
---

# This is an example complete example docker-compose.yml
# file for a linuxserver.io based BookStack setup
# using the linuxserver.io MariaDB container.

# ENSURE YOU PAY ATTENTION TO ALL COMMENTS BELOW.
# Many of the values are just examples, and you WILL
# have to make changes to suit your environment.

# These containers are maintained by the linuxserver.io
# team, not the official BookStack project.

# For non-commented options, refer to the linuxserver documentation:
# https://docs.linuxserver.io/images/docker-bookstack/#environment-variables-e

services:

# The container for BookStack itself
bookstack:
# You should update the version here to match the latest
# release of BookStack: https://github.com/BookStackApp/BookStack/releases
# You'll change this when wanting to update the version of BookStack used.
image: lscr.io/linuxserver/bookstack:25.05.2
container_name: bookstack-app
environment:
  - PUID=1000
  - PGID=1000
  - TZ=Europe/Kyiv
# APP_URL must be set as the base URL you'd expect to access BookStack
# on via the browser. The default shown here is what you might use if accessing
# direct from the browser on the docker host, hence the use of the port as configured
```

below.

```
- APP_URL=https://kb.liutyi.info
# APP_KEY must be a unique key. Generate your own by running
# docker run -it --rm --entrypoint /bin/bash lscr.io/linuxserver/bookstack:latest appkey
# You should keep the "base64:" part for the option value.
- APP_KEY=base64:In890XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX=
```

```
# The below database details are purposefully aligned with those
# configued for the "mariadb" service below:
```

```
- DB_HOST=mariadb
- DB_PORT=3306
- DB_DATABASE=bookstack
- DB_USERNAME=bookstack
- DB_PASSWORD=Xn890XXXX
```

volumes:

```
# You generally only ever need to map this one volume.
# This maps it to a "bookstack_app_data" folder in the same
# directory as this compose config file.
- /docker/bookstack/app_data:/config
```

ports:

```
# This exposes port 6875 for general web access.
# Commonly you'd have a reverse proxy in front of this,
# redirecting incoming requests to this port.
- 6875:80
- 6443:443
```

restart: unless-stopped

```
# The container for the database which BookStack will use to store
# most of its core data/content.
```

mariadb:

```
# You should update the version here to match the latest
# main version of the linuxserver mariadb container version:
# https://github.com/linuxserver/docker-
```

mariadb/pkgs/container/mariadb/versions?filters%5Bversion_type%5D=tagged

```
image: lscr.io/linuxserver/mariadb:11.4.4
```

```
container_name: bookstack-db
```

environment:

```
- PUID=1000
- PGID=1000
```


complete	4.5s
✓ f9427200a252 Pull	
complete	4.5s
✓ ba0f42056615 Pull	
complete	5.8s
✓ d288d3b5823c Pull	
complete	5.9s
✓ bookstack	
Pulled	
7.3s	
✓ a5e3ea2009e2 Pull	
complete	0.7s
✓ e1cde46db0e1 Pull	
complete	2.7s
✓ 46f2d9bbcff7 Pull	
complete	0.7s
✓ f2d94bf0c7ba Pull	
complete	0.8s
✓ 0469477658fc Pull	
complete	1.1s
✓ 35e63de34f77 Pull	
complete	1.4s
✓ 681cde493f59 Pull	
complete	1.4s
✓ cd2567bb740c Pull	
complete	1.9s
✓ d74af1267e43 Pull	
complete	1.9s
✓ ab2b57391f0b Pull	
complete	5.7s
✓ a55b94016c65 Pull	
complete	5.8s
[+] Running 3/3	
✓ Network bookstack_default	
Created	0.0s
✓ Container bookstack-db	
Started	4.6s
✓ Container bookstack-app	
Started	4.6s

```
bookstack-db | [migrations] started
bookstack-db | [migrations] no migrations found
bookstack-db | _____
bookstack-db |
bookstack-db | ██████████ ██████████ ██████████
bookstack-db | ██████████ ██████████ ██████████ ██████████
bookstack-db | ██████████ ██████████ ██████████ ██████████
bookstack-db | ██████████ ██████████ ██████████ ██████████
bookstack-db | ██████████ ██████████ ██████████ ██████████
bookstack-db | ██████████ ██████████ ██████████ ██████████
```

Brought to you by linuxserver.io

```
bookstack-db | _____
bookstack-db |
bookstack-db | To support LSI0 projects visit:
bookstack-db | https://www.linuxserver.io/donate/
bookstack-db |
```

GID/UID

```
bookstack-db | _____
bookstack-db |
bookstack-db | User UID:    1000
bookstack-db | User GID:    1000
```

```
bookstack-db | _____
bookstack-db | Linuxserver.io version: 11.4.4-r1-ls174
bookstack-db | Build-date: 2025-02-18T07:42:37+00:00
bookstack-db | _____
```

```
bookstack-app | [migrations] started
bookstack-app | [migrations] 01-nginx-site-confs-default: executing...
bookstack-app | [migrations] 01-nginx-site-confs-default: succeeded
bookstack-app | [migrations] 02-default-location: executing...
bookstack-app | [migrations] 02-default-location: succeeded
bookstack-app | [migrations] done
```

Setting Up Initial Databases

```
bookstack-app | _____
bookstack-app | ██████████ ██████████ ██████████
bookstack-app | ██████████ ██████████ ██████████ ██████████
```



```
bookstack-app | Waiting for DB to be available
bookstack-db | OK
bookstack-db |
bookstack-db | To start mariadb at boot time you have to copy
bookstack-db | support-files/mariadb.service to the right place for your system
bookstack-db |
bookstack-db |
bookstack-db | PLEASE REMEMBER TO SET A PASSWORD FOR THE MariaDB root USER !
bookstack-db | To do so, start the server, then issue the following command:
bookstack-db |
bookstack-db | '/usr/bin/mariadb-secure-installation'
bookstack-db |
bookstack-db | which will also give you the option of removing the test
bookstack-db | databases and anonymous user created by default. This is
bookstack-db | strongly recommended for production servers.
bookstack-db |
bookstack-db | See the MariaDB Knowledgebase at https://mariadb.com/kb
bookstack-db |
bookstack-db | You can start the MariaDB daemon with:
bookstack-db | cd '/usr' ; /usr/bin/mariabdd-safe --datadir='/config/databases'
bookstack-db |
bookstack-db | You can test the MariaDB daemon with mariadb-test-run.pl
bookstack-db | cd '/usr/mariadb-test' ; perl mariadb-test-run.pl
bookstack-db |
bookstack-db | Please report any problems at https://mariadb.org/jira
bookstack-db |
bookstack-db | The latest information about MariaDB is available at https://mariadb.org/.
bookstack-db |
bookstack-db | Consider joining MariaDB's strong and vibrant community:
bookstack-db | https://mariadb.org/get-involved/
bookstack-db |
bookstack-db | 2025-07-13 13:32:46 0 [Note] Starting MariaDB 11.4.4-MariaDB source revision
e9a502df08bad16aa8a354e854f3c014b1380e32 server_uid edoGJ5xHg4MamMe/BhNZRJ1nVm4= as process
186
bookstack-db | 2025-07-13 13:32:46 0 [Note] InnoDB: Compressed tables use zlib 1.3.1
bookstack-db | 2025-07-13 13:32:46 0 [Note] InnoDB: Number of transaction pools: 1
bookstack-db | 2025-07-13 13:32:46 0 [Note] InnoDB: Using crc32 + pclmulqdq instructions
bookstack-db | 2025-07-13 13:32:46 0 [Note] InnoDB: Using Linux native AIO
bookstack-db | 2025-07-13 13:32:46 0 [Note] InnoDB: Initializing buffer pool, total size =
```

128.000MiB, chunk size = 2.000MiB

```
bookstack-db | 2025-07-13 13:32:46 0 [Note] InnoDB: Completed initialization of buffer pool
bookstack-db | 2025-07-13 13:32:46 0 [Note] InnoDB: Buffered log writes (block size=512
bytes)
bookstack-db | 2025-07-13 13:32:46 0 [Note] InnoDB: End of log at LSN=46300
bookstack-db | 2025-07-13 13:32:46 0 [Note] InnoDB: Opened 3 undo tablespaces
bookstack-db | 2025-07-13 13:32:46 0 [Note] InnoDB: 128 rollback segments in 3 undo
tablespaces are active.
bookstack-db | 2025-07-13 13:32:46 0 [Note] InnoDB: Setting file './ibtmp1' size to
12.000MiB. Physically writing the file full; Please wait ...
bookstack-db | 2025-07-13 13:32:46 0 [Note] InnoDB: File './ibtmp1' size is now 12.000MiB.
bookstack-db | 2025-07-13 13:32:46 0 [Note] InnoDB: log sequence number 46300; transaction
id 14
bookstack-db | 2025-07-13 13:32:46 0 [Note] Plugin 'FEEDBACK' is disabled.
bookstack-db | 2025-07-13 13:32:46 0 [Note] InnoDB: Loading buffer pool(s) from
/config/databases/ib_buffer_pool
bookstack-db | 2025-07-13 13:32:46 0 [Note] Plugin 'wsrep-provider' is disabled.
bookstack-db | 2025-07-13 13:32:46 0 [Note] InnoDB: Buffer pool(s) load completed at 250713
13:32:46
bookstack-db | 2025-07-13 13:32:46 0 [Note] mariadb: Event Scheduler: Loaded 0 events
bookstack-db | 2025-07-13 13:32:46 0 [Note] mariadb: ready for connections.
bookstack-db | Version: '11.4.4-MariaDB' socket: '/run/mysqld/mysqld.sock' port: 0 Alpine
Linux
bookstack-db | 2025-07-13 13:32:48 0 [Note] mariadb (initiated by: root[root] @ localhost
[]): Normal shutdown
bookstack-db | 2025-07-13 13:32:48 0 [Note] InnoDB: FTS optimize thread exiting.
bookstack-db | 2025-07-13 13:32:48 0 [Note] InnoDB: Starting shutdown...
bookstack-db | 2025-07-13 13:32:48 0 [Note] InnoDB: Dumping buffer pool(s) to
/config/databases/ib_buffer_pool
bookstack-db | 2025-07-13 13:32:48 0 [Note] InnoDB: Buffer pool(s) dump completed at 250713
13:32:48
bookstack-db | 2025-07-13 13:32:48 0 [Note] InnoDB: Removed temporary tablespace data file:
"./ibtmp1"
bookstack-db | 2025-07-13 13:32:48 0 [Note] InnoDB: Shutdown completed; log sequence number
47875; transaction id 16
bookstack-db | 2025-07-13 13:32:48 0 [Note] mariadb: Shutdown complete
bookstack-db |
bookstack-db | Database Setup Completed
bookstack-db | [custom-init] No custom files found, skipping...
```

```
bookstack-db | 250713 13:32:49 mysqld_safe Logging to '/config/log/mysql/mariadb-error.log'.
bookstack-db | 250713 13:32:49 mysqld_safe Starting mariadbd daemon with databases from
/config/databases
bookstack-db | Connection to localhost (:::1) 3306 port [tcp/mysql] succeeded!
bookstack-db | Logrotate is enabled
bookstack-db | [ls.io-init] done.
bookstack-app |
bookstack-app | INFO Preparing database.
bookstack-app |
bookstack-app | Creating migration table ..... 7.55ms
DONE
bookstack-app |
bookstack-app | INFO Running migrations.
bookstack-app |
bookstack-app | 2014_10_12_000000_create_users_table ..... 172.81ms
DONE
bookstack-app | 2014_10_12_100000_create_password_resets_table ..... 23.44ms
DONE
bookstack-app | 2015_07_12_114933_create_books_table ..... 5.03ms
DONE
bookstack-app | 2015_07_12_190027_create_pages_table ..... 5.33ms
DONE
bookstack-app | 2015_07_13_172121_create_images_table ..... 4.95ms
DONE
bookstack-app | 2015_07_27_172342_create_chapters_table ..... 5.40ms
DONE
bookstack-app | 2015_08_08_200447_add_users_to_entities ..... 76.63ms
DONE
bookstack-app | 2015_08_09_093534_create_page_revisions_table ..... 5.26ms
DONE
bookstack-app | 2015_08_16_142133_create_activities_table ..... 5.03ms
DONE
bookstack-app | 2015_08_29_105422_add_roles_and_permissions ..... 119.36ms
DONE
bookstack-app | 2015_08_30_125859_create_settings_table ..... 4.84ms
DONE
bookstack-app | 2015_08_31_175240_add_search_indexes ..... 0.02ms
DONE
bookstack-app | 2015_09_04_165821_create_social_accounts_table ..... 22.27ms
```

```
DONE
bookstack-app | 2015_09_05_164707_add_email_confirmation_table ..... 30.09ms
DONE
bookstack-app | 2015_11_21_145609_create_views_table ..... 5.01ms
DONE
bookstack-app | 2015_11_26_221857_add_entity_indexes ..... 185.47ms
DONE
bookstack-app | 2015_12_05_145049_fulltext_weighting ..... 0.05ms
DONE
bookstack-app | 2015_12_07_195238_add_image_upload_types ..... 30.97ms
DONE
bookstack-app | 2015_12_09_195748_add_user_avatars ..... 6.91ms
DONE
bookstack-app | 2016_01_11_210908_add_external_auth_to_users ..... 16.63ms
DONE
bookstack-app | 2016_02_25_184030_add_slug_to_revisions ..... 33.88ms
DONE
bookstack-app | 2016_02_27_120329_update_permissions_and_roles ..... 59.52ms
DONE
bookstack-app | 2016_02_28_084200_add_entity_access_controls ..... 95.20ms
DONE
bookstack-app | 2016_03_09_203143_add_page_revision_types ..... 16.53ms
DONE
bookstack-app | 2016_03_13_082138_add_page_drafts ..... 17.37ms
DONE
bookstack-app | 2016_03_25_123157_add_markdown_support ..... 15.12ms
DONE
bookstack-app | 2016_04_09_100730_add_view_permissions_to_roles ..... 17.78ms
DONE
bookstack-app | 2016_04_20_192649_create_joint_permissions_table ..... 113.46ms
DONE
bookstack-app | 2016_05_06_185215_create_tags_table ..... 42.19ms
DONE
bookstack-app | 2016_07_07_181521_add_summary_to_page_revisions ..... 7.59ms
DONE
bookstack-app | 2016_09_29_101449_remove_hidden_roles ..... 29.30ms
DONE
bookstack-app | 2016_10_09_142037_create_attachments_table ..... 22.89ms
DONE
```

bookstack-app		2017_01_21_163556_create_cache_table	15.17ms
DONE			
bookstack-app		2017_01_21_163602_create_sessions_table	15.83ms
DONE			
bookstack-app		2017_03_19_091553_create_search_index_table	44.02ms
DONE			
bookstack-app		2017_04_20_185112_add_revision_counts	23.98ms
DONE			
bookstack-app		2017_07_02_152834_update_db_encoding_to_ut8mb4	0.04ms
DONE			
bookstack-app		2017_08_01_130541_create_comments_table	36.61ms
DONE			
bookstack-app		2017_08_29_102650_add_cover_image_display	7.80ms
DONE			
bookstack-app		2018_07_15_173514_add_role_external_auth_id	16.73ms
DONE			
bookstack-app		2018_08_04_115700_create_bookshelves_table	135.46ms
DONE			
bookstack-app		2019_07_07_112515_add_template_support	18.99ms
DONE			
bookstack-app		2019_08_17_140214_add_user_invites_table	24.32ms
DONE			
bookstack-app		2019_12_29_120917_add_api_auth	33.77ms
DONE			
bookstack-app		2020_08_04_111754_drop_joint_permissions_id	31.18ms
DONE			
bookstack-app		2020_08_04_131052_remove_role_name_field	9.36ms
DONE			
bookstack-app		2020_09_19_094251_add_activity_indexes	18.29ms
DONE			
bookstack-app		2020_09_27_210059_add_entity_soft_deletes	30.40ms
DONE			
bookstack-app		2020_09_27_210528_create_deletions_table	31.55ms
DONE			
bookstack-app		2020_11_07_232321_simplify_activities_table	50.10ms
DONE			
bookstack-app		2020_12_30_173528_add_owned_by_field_to_entities	78.89ms
DONE			
bookstack-app		2021_01_30_225441_add_settings_type_column	7.29ms

```
DONE
bookstack-app | 2021_03_08_215138_add_user_slug ..... 19.82ms
DONE
bookstack-app | 2021_05_15_173110_create_favourites_table ..... 22.01ms
DONE
bookstack-app | 2021_06_30_173111_create_mfa_values_table ..... 22.29ms
DONE
bookstack-app | 2021_07_03_085038_add_mfa_enforced_to_roles_table ..... 7.93ms
DONE
bookstack-app | 2021_08_28_161743_add_export_role_permission ..... 2.62ms
DONE
bookstack-app | 2021_09_26_044614_add_activities_ip_column ..... 7.98ms
DONE
bookstack-app | 2021_11_26_070438_add_index_for_user_ip ..... 9.41ms
DONE
bookstack-app | 2021_12_07_111343_create_webhooks_table ..... 45.94ms
DONE
bookstack-app | 2021_12_13_152024_create_jobs_table ..... 14.55ms
DONE
bookstack-app | 2021_12_13_152120_create_failed_jobs_table ..... 14.75ms
DONE
bookstack-app | 2022_01_03_154041_add_webhooks_timeout_error_columns ..... 29.38ms
DONE
bookstack-app | 2022_04_17_101741_add_editor_change_field_and_permission ..... 9.64ms
DONE
bookstack-app | 2022_04_25_140741_update_polymorphic_types ..... 6.95ms
DONE
bookstack-app | 2022_07_16_170051_drop_joint_permission_type ..... 46.41ms
DONE
bookstack-app | 2022_08_17_092941_create_references_table ..... 42.40ms
DONE
bookstack-app | 2022_09_02_082910_fix_shelf_cover_image_types ..... 1.00ms
DONE
bookstack-app | 2022_10_07_091406_flatten_entity_permissions_table ..... 36.85ms
DONE
bookstack-app | 2022_10_08_104202_drop_entity_restricted_field ..... 38.51ms
DONE
bookstack-app | 2023_01_24_104625_refactor_joint_permissions_storage ..... 64.80ms
DONE
```

bookstack-app		2023_01_28_141230_copy_color_settings_for_dark_mode	0.93ms
DONE			
bookstack-app		2023_02_20_093655_increase_attachments_path_length	11.60ms
DONE			
bookstack-app		2023_02_23_200227_add_updated_at_index_to_pages	9.06ms
DONE			
bookstack-app		2023_06_10_071823_remove_guest_user_secondary_roles	1.26ms
DONE			
bookstack-app		2023_06_25_181952_remove_bookshelf_create_entity_permissions ...	0.03ms
DONE			
bookstack-app		2023_07_25_124945_add_receive_notifications_role_permissions ...	2.25ms
DONE			
bookstack-app		2023_07_31_104430_create_watches_table	31.11ms
DONE			
bookstack-app		2023_08_21_174248_increase_cache_size	14.03ms
DONE			
bookstack-app		2023_12_02_104541_add_default_template_to_books	8.17ms
DONE			
bookstack-app		2023_12_17_140913_add_description_html_to_entities	24.37ms
DONE			
bookstack-app		2024_01_01_104542_add_default_template_to_chapters	9.11ms
DONE			
bookstack-app		2024_02_04_141358_add_views_updated_index	8.93ms
DONE			
bookstack-app		2024_05_04_154409_rename_activity_relation_columns	14.77ms
DONE			
bookstack-app		2024_09_29_140340_ensure_editor_value_set	1.68ms
DONE			
bookstack-app		2024_10_29_114420_add_import_role_permission	2.62ms
DONE			
bookstack-app		2024_11_02_160700_create_imports_table	13.84ms
DONE			
bookstack-app		2024_11_27_171039_add_instance_id_setting	4.53ms
DONE			
bookstack-app		2025_01_29_180933_create_sort_rules_table	4.80ms
DONE			
bookstack-app		2025_02_05_150842_add_sort_rule_id_to_books	8.25ms
DONE			
bookstack-app		2025_04_18_215145_add_content_refs_and_archived_to_comments ...	25.44ms

```
DONE
```

```
bookstack-app |
```

```
bookstack-app | [custom-init] No custom files found, skipping...
```

```
bookstack-app | [ls.io-init] done.
```

Default password

The default username is admin@admin.com
with the password of **password**