

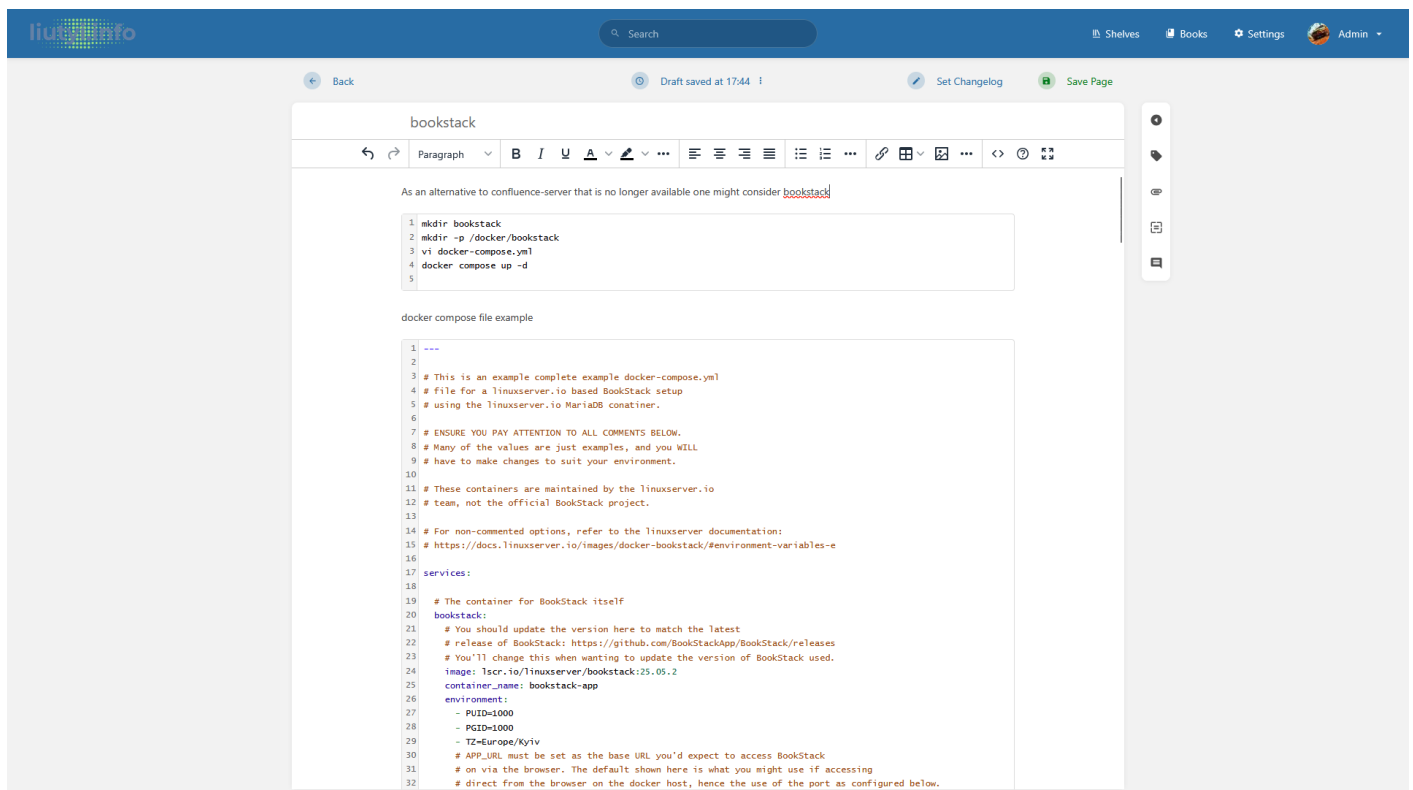
# bookstack

## 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. The page title is "bookstack". The content includes a paragraph and two code blocks.

Paragraph:

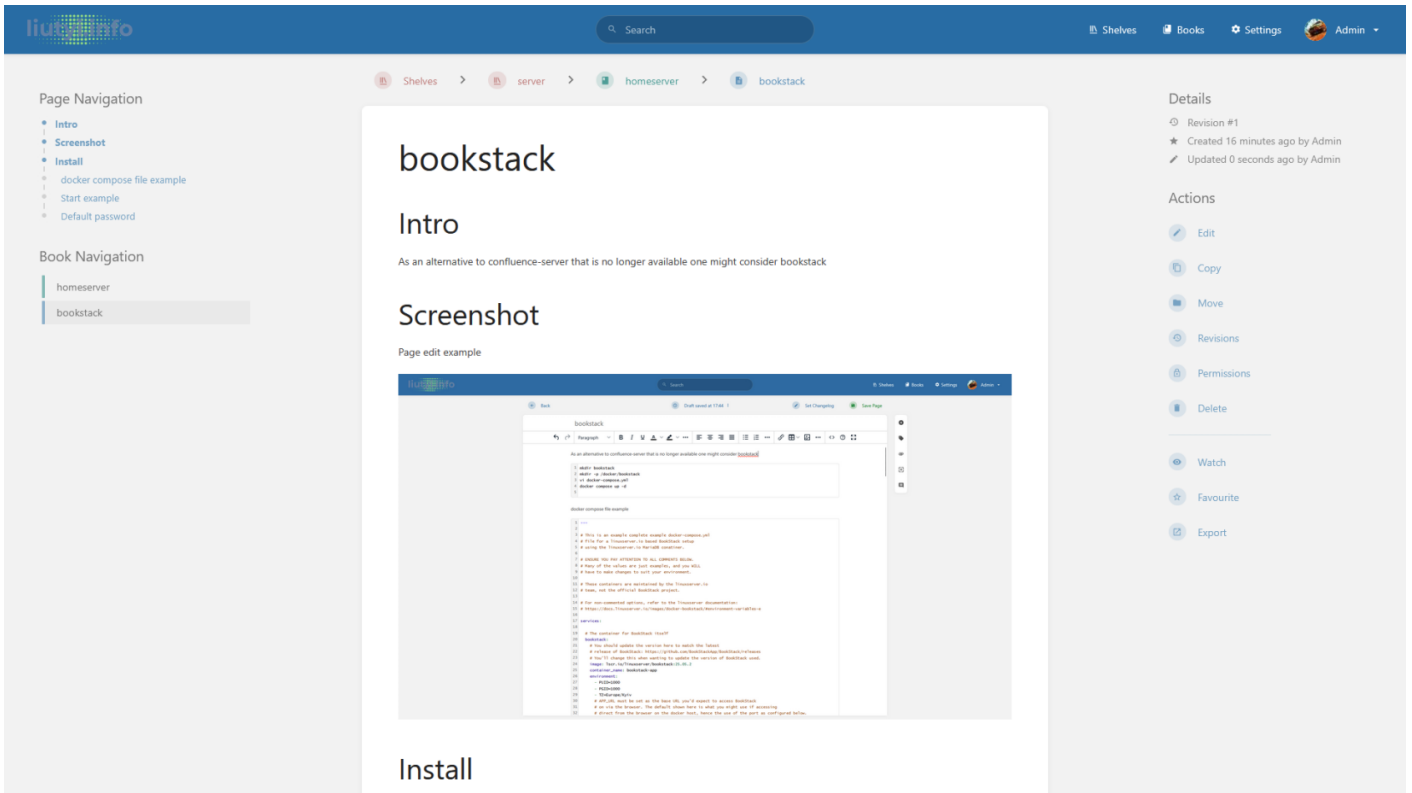
As an alternative to confluence-server that is no longer available one might consider [bookstack](#)

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

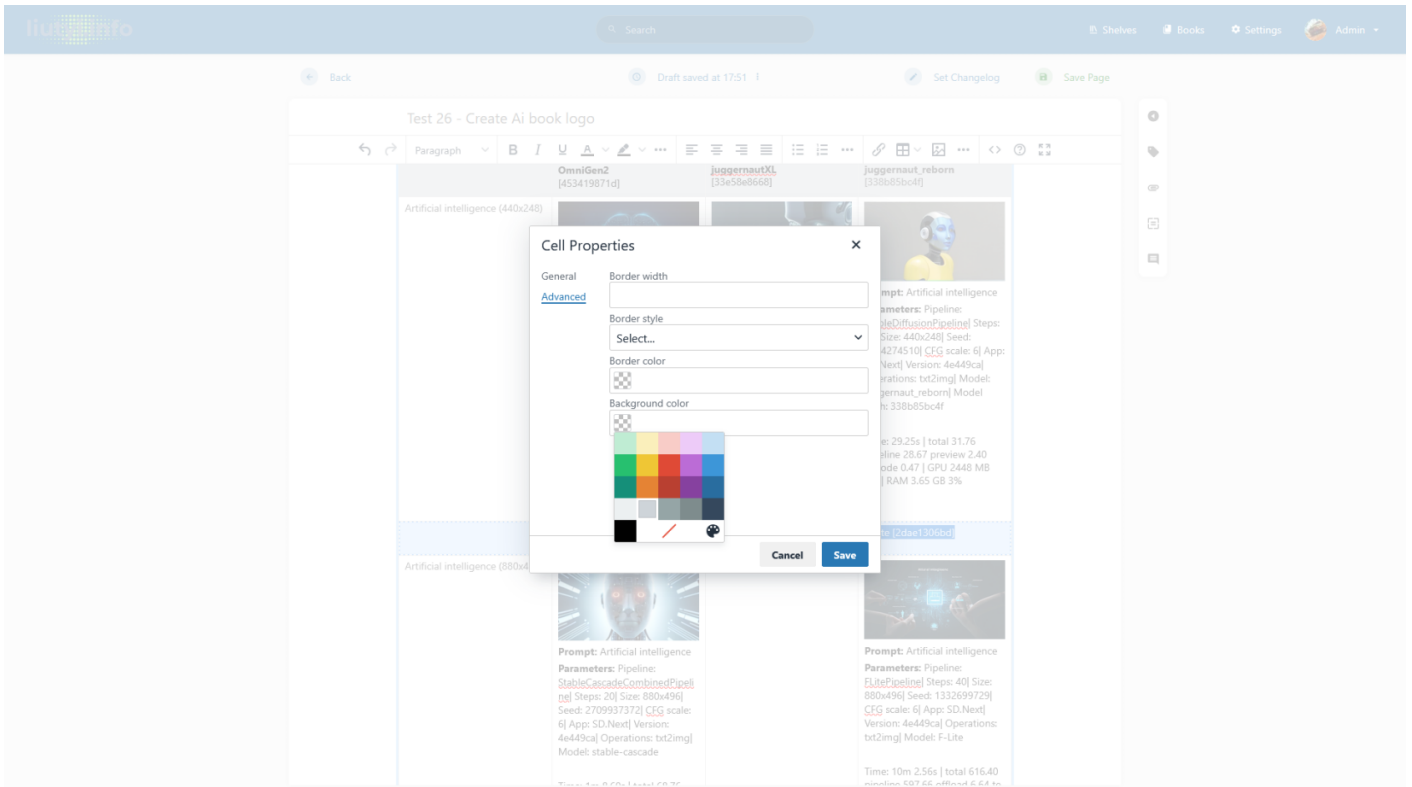
docker compose file example

```
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   - PGID=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 mariadb 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](mailto:admin@admin.com)  
with the password of **password**

---

Revision #3

Created 2025-07-13 14:32:33 UTC by Admin

Updated 2025-07-13 14:55:09 UTC by Admin