

MOREGATE

MGWiki

The complete guide

Installation, administration and daily use

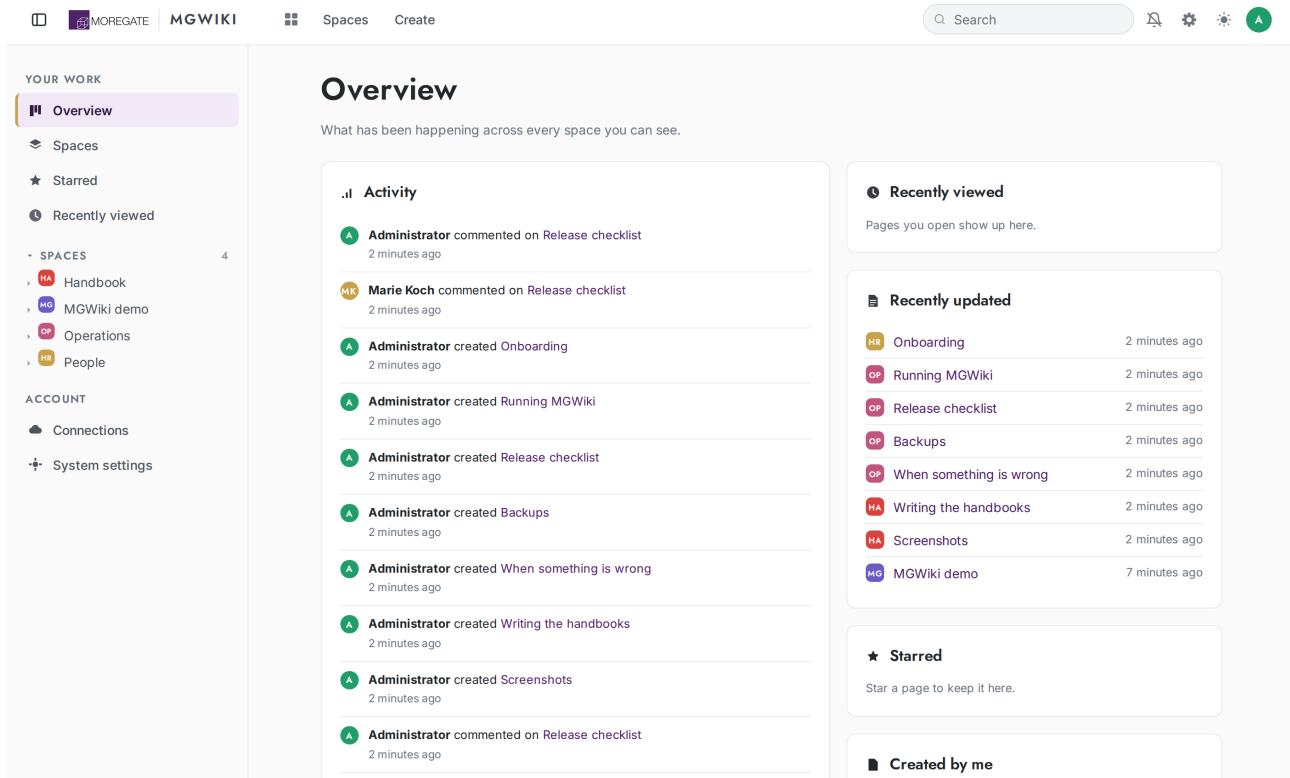
2.0

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What MGWiki is

MGWiki is a knowledge base you run yourself. Spaces, page trees, versions, comments, templates, a public help site and an editor two people can write in at once - on your own server, with your own database, and without anything leaving the house.



The overview after signing in: what has happened across every space you can see.

Since 1.0.5 the product is written without the hyphen: MGWiki. An existing installation is renamed with the update - but only where the name it shipped with is still in place. A title somebody chose themselves is left alone.

Requirements

Required	
Operating system	Ubuntu 24.04 LTS or newer, 64-bit (x86-64)
Memory	2 GB, 4 GB with a busy PostgreSQL
Disk	1 GB, plus room for attachments
Database	PostgreSQL 14 or newer - SQLite is gone from 2.0 on
Office preview	LibreOffice; deploy.sh asks whether to install it
Python	not needed - the package brings its own
Network	none at install time
In front	nginx or HAProxy for TLS, if reachable from outside

Browsers: any current Firefox, Chrome, Edge or Safari.

Installation

- 1 Unpack the package on the server.
- 2 Run the deployment script as root.
- 3 Note the administrator password it prints - it is shown once.

```
unzip mgwiki-2_0-2026-10-20-1203-linux-x86_64.zip
cd mgwiki
sudo ./deploy.sh
```

The script creates the service account, installs the application under `/opt/mg-wiki`, puts the data at `/var/lib/mg-wiki` and starts a systemd unit called `mg-wiki.service`. It listens on `127.0.0.1:8719`.

Settings in the environment

```
MGWIKI_SECRET=a-long-random-string
MGWIKI_BASE_URL=https://wiki.example.com
MGWIKI_MAX_UPLOAD_MB=100
```

The database

On its first run `deploy.sh` asks for the PostgreSQL connection - server, database, user, password - and keeps it in `database.json` in the data directory. The database itself has to exist; MGWiki creates its schema when it starts.

```
sudo -u postgres createuser --pwprompt mgwiki
sudo -u postgres createdb -O mgwiki mgwiki
```

An installation still running on SQLite is moved across once during the update to 2.0. Its SQLite file is left untouched - it is the way back.

A second, independent installation

`deploy.sh` asks whether the default installation is meant or a further one: its own paths, service, account, port and database, checked against everything already on the server first. In the interface the two are told apart by the installation's name (System settings > Instance).

Behind a reverse proxy

```
location / {
    proxy_pass http://127.0.0.1:8719;
    proxy_set_header Host $host;
    proxy_set_header X-Forwarded-Proto $scheme;
    client_max_body_size 100M;
```

```
proxy_read_timeout 120s;  
}
```

Updating

An update is the same command with a newer package. Data, logos and settings are left alone; only the application directory is replaced. `deploy.sh` backs the database up first with `pg_dump`, and schema changes run as numbered steps whose state is shown under System settings › Instance.

If anything goes wrong, one command brings program and database back to before the last update:

```
sudo ./deploy.sh --rollback
```

An update skips versions: from any 1.x straight to 2.0, through every step in between.

Licence and users

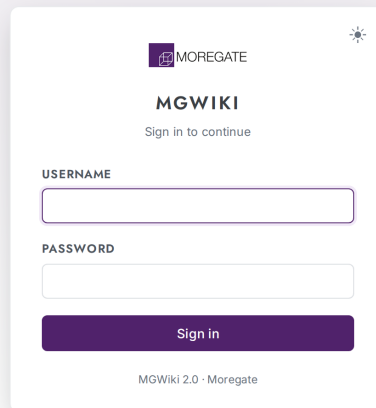
The screenshot shows the 'System settings' page for 'MGWIKI'. The left sidebar lists various settings categories: System settings (Overview, Identity settings, People, Groups, Microsoft Entra, Mail connection, General permissions, Links, Webhooks), Space settings (Spaces, Space permissions, Notification schemes, Confluence import, Templates, Labels), and System settings (Database, Public help site, Mail queue). The main content area is titled 'License' and shows the license status: 'Licensed to Northwind Ltd until 2029-12-31'. Below this, a table lists license details: Licensed to (Northwind Ltd), Product (mgwiki - this one), Valid until (2029-12-31 - 1168 days left), and People (2 of 25 - up to 2 over is allowed). A note states: 'Everybody who can sign in counts, whether the account was made here or came from the directory. A deactivated account does not.' Below the table is a 'LICENCE KEY' section with a text input field for pasting the key and a note: 'Checked here, on this machine. Nothing is sent anywhere, and the key cannot be read back out once stored.' At the bottom are two buttons: 'Enter this licence' and 'Remove the licence'.

System settings License: customer, product, expiry and seats in use.

Without a licence the wiki can be read, but nothing can be created or changed. The key goes in here; line breaks and spaces in it do not matter.

Accounts (licence for 25)	What happens
up to 25	normal
26 - 27	two in hand, a note on the licence page
28 and above	read only until accounts are deactivated

Accounts, groups and signing in

The image shows a sign-in page for MGWiki. At the top, there is a logo for MOREGATE and a sun icon. Below the logo, the text "MGWIKI" is displayed, followed by "Sign in to continue". The page has two input fields: "USERNAME" and "PASSWORD". Below the password field is a "Sign in" button. At the bottom, it says "MGWiki 2.0 · Moregate".

The sign-in page. Microsoft Entra ID can be set up beside the password.

The deployment creates an administrator account and writes the password into a file in the data directory. At the first sign-in MGWiki asks for it to be changed, and that dialogue cannot be clicked away.

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People

Accounts, sign-in methods, roles and activation.

Search people

Add person

PERSON	EMAIL	GROUPS	SIGN-IN	STATE	PASSWORD
<div><div>A</div><div>Administrator</div><div>admin</div></div>	<div>NO ADDRESS</div>	<div>wiki-administrators</div>	<div>LOCAL</div>	<div>ACTIVE</div>	<div>Edit</div>
<div><div>MK</div><div>Marie Koch</div><div>m.koch</div></div>	<div>m.koch@example.com</div>	<div>wiki-users</div>	<div>LOCAL</div>	<div>ACTIVE</div>	<div>Edit</div>

System settings People: create accounts, reset passwords, deactivate accounts.

Deactivated people

A deactivated account - by hand or by the directory sync - is marked wherever its name appears and no longer offered in lists. A field that still names such a person keeps showing them instead of "Unassigned".

System settings

Groups

Bundle people so permissions can be granted to a team.

[Create group](#)

GROUP	MEMBERS
wiki-administrators SYSTEM Full access to MGWiki	Administrator Edit Delete
wiki-users SYSTEM Everyone who may use MGWiki	Marie Koch Edit Delete

System settings Groups: permissions for several people at once.

A group can be renamed, and its members are picked in the group itself.

wiki-administrators and wiki-users are there from the start. Space permissions are usually granted to groups rather than to people - otherwise every setting starts the same round again.

System settings

Microsoft Entra ID

People sign in with their work account. Only the person is taken from the directory, never groups.

Register the application once

In the Entra admin centre under **App registrations** → **New registration**. Nobody can do this step for you: a tenant administrator has to grant the application an identity.

- Supported account types: **this organisational directory only**
- Redirect URI, platform **Web**: `http://127.0.0.1:7719/auth/microsoft/callback`
- Under **Certificates & secrets** create a client secret and copy its *value* right away
- Under **API permissions** the delegated Microsoft Graph permissions `openid`, `profile`, `email` are enough. No directory or group permission is needed.

Connection

DIRECTORY (TENANT) ID **APPLICATION (CLIENT) ID**

00000000-0000-0000-0000-000000000000

CLIENT SECRET

paste the value

Keep in entra.json next to the database with permissions 0600, never shown again.

RESTRICT TO THESE DOMAINS

moregate.com, moregate.de

Comma separated. Empty means every address the tenant hands out is accepted.

GROUPS FOR NEW ACCOUNTS

wiki-users

System settings Microsoft Entra: signing in with the work account.

Accounts appear on first sign-in; no groups are taken from the directory.

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What may be done above the spaces.

wiki-administrators

Group

AllNoneRemove

☒ Can use MGWiki

☒ Wiki administration

☒ Create spaces

☒ System administration

☒ Create a personal space

☒ Attach files to a profile

wiki-users

Group

AllNoneRemove

☒ Can use MGWiki

☐ Wiki administration

☒ Create spaces

☐ System administration

☒ Create a personal space

☒ Attach files to a profile

Save permissions

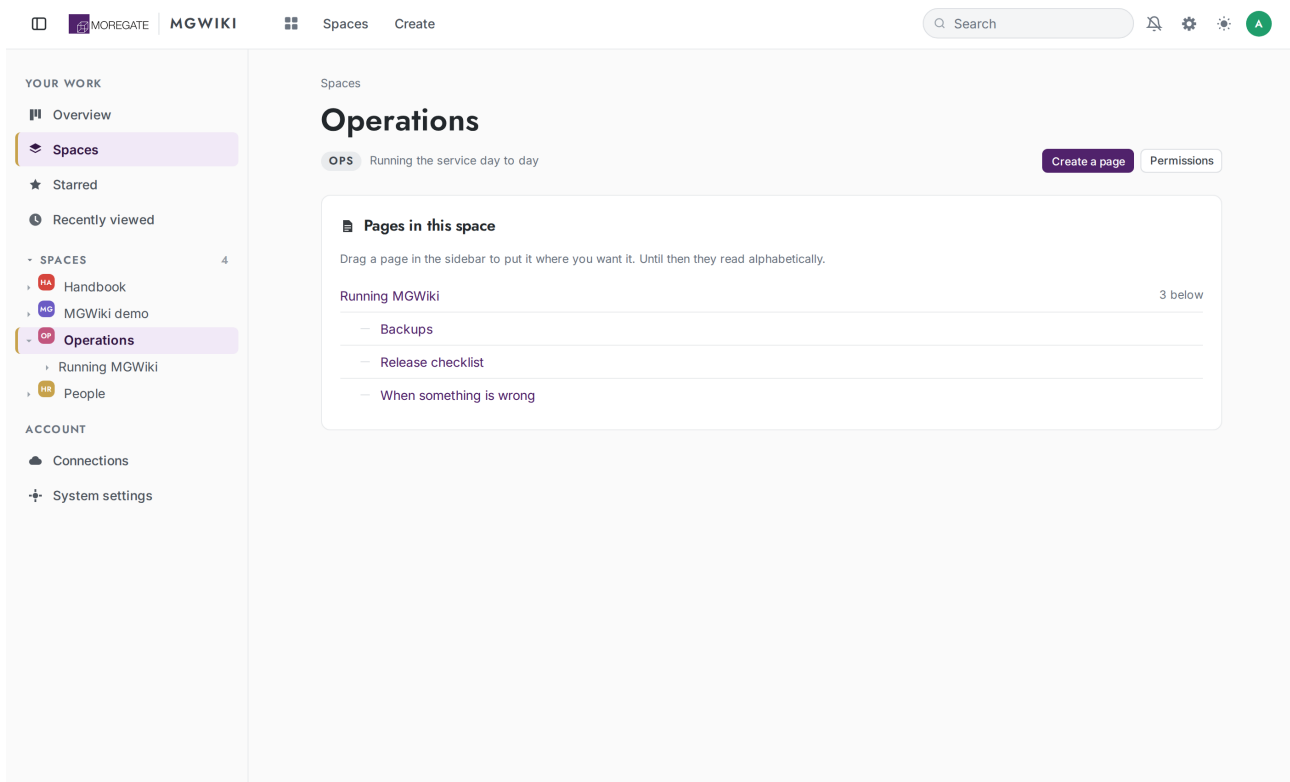
Add person or group

System settings General permissions: what is allowed above the spaces - who may create one, for instance.

MGWiki handbook 2.0

Page 10

Spaces



A space with its page tree on the left.

A space holds what belongs together and carries a key of a few letters. Choose it carefully: it is in every address and does not change afterwards. Beside it sit name, description, icon and colour.

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Spaces

Every space in this installation.

NAME	KEY	TYPE	STATE	
Handbook	HAND	global	ACTIVE	Permissions
MGWiki demo	MG	global	ACTIVE	Permissions
Operations	OPS	global	ACTIVE	Permissions
People	HR	global	ACTIVE	Permissions

System settings Spaces: every space, including the ones you cannot see yourself.

Permissions per space

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Space permissions

Pick a space to edit who may do what inside it.

SPACE

Handbook (HAND)

Open

System settings Space permissions: who may view, write and administer.

Permission	What for
SPACE_VIEW	seeing the space at all
PAGE_ADD / PAGE_EDIT	creating and changing pages
PAGE_DELETE / PAGE_ARCHIVE	deleting or setting pages aside
COMMENT_ADD / COMMENT_DELETE	commenting, deleting other people's
ATTACHMENT_ADD / _DELETE	attaching and removing files
RESTRICTIONS_SET	restricting single pages
EXPORT_SPACE	exporting the space
SPACE_ADMIN	administering the space

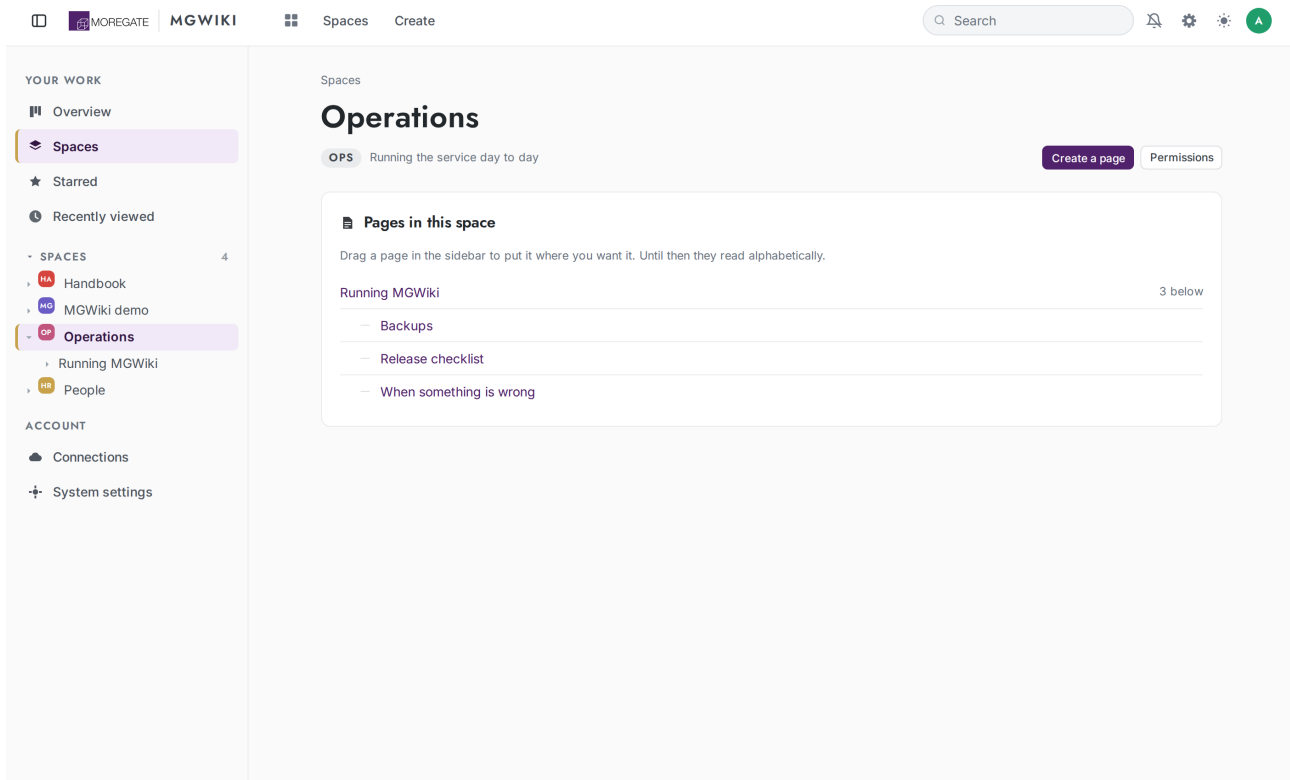
A newly created space belongs to the administrators and to whoever created it. Opening it up for the team means granting these permissions to a group here.

Working with pages

The screenshot shows the MGWiki interface. The top navigation bar includes the MGWiki logo, a search bar, and user avatars. The left sidebar, titled 'YOUR WORK', contains a navigation tree with sections like 'Overview', 'Spaces', 'Starred', 'Recently viewed', 'SPACES', 'Handbook', 'MGWiki demo', 'Operations' (selected), 'Running MGWiki', 'Backups', 'Release checklist' (selected), 'When something is wrong', 'People', 'ACCOUNT', 'Connections', and 'System settings'. The main content area shows the 'Release checklist' page under the 'Operations / Running MGWiki' path. The page title is 'Release checklist', followed by a version history note: 'Administrator updated this page 5 minutes ago · version 1'. Action buttons include 'Edit', 'Add a page below', 'Stop watching', and a menu icon. The text reads: 'Before a release goes out, all of this has to be ticked off.' followed by a bulleted list: 'Database backup taken and verified', 'Changelog written in full sentences', 'Package name carries date and time', and 'Test suite green on both databases'. Below this is a section 'After the roll-out' with the text: 'Watch the log for ten minutes, then tell the team in the operations channel.' and two labels: 'checklist' and 'release'. The '3 comments' section shows two identical comments from 'Administrator' dated '20 Oct 2026, 13:19 (5 minutes ago)', each with 'Edit' and 'Delete' buttons. The comment text is: 'Should the backup step name the retention as well? Ten is easy to forget.'

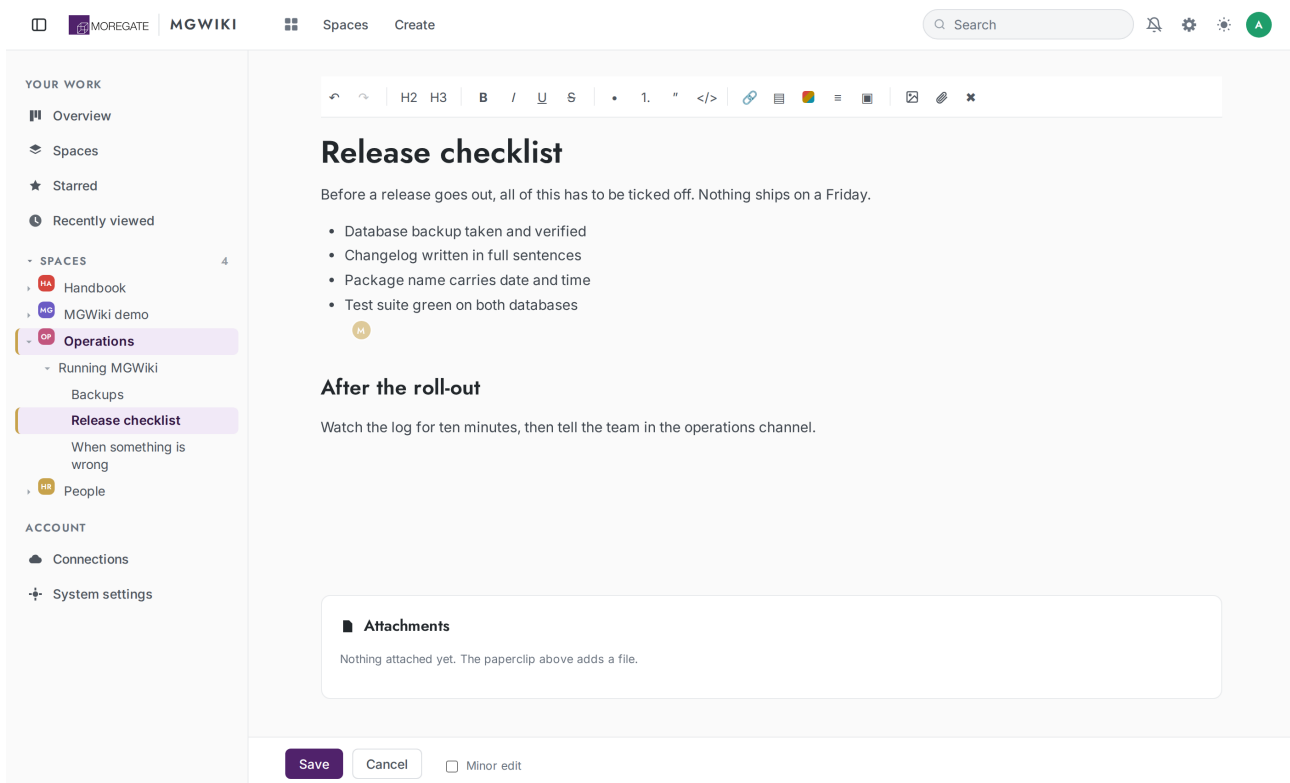
A page: the text, its labels, and the comments underneath.

A page has a title, a text and as many labels as it needs. Pages sit under pages, as deep as you like; the tree on the left shows what sits under what. Moving a page means dragging it to another place in that tree.



A new page: empty, or from a template.

The editor



The editor: undo and redo, headings, emphasis, lists, code, link, table, picture and attachment. The half-transparent face at the block shows where the other person is standing.

Writing happens in blocks - paragraphs, headings, lists, tables, code blocks. Saving creates a new version; "Minor edit" leaves the notification out when it was only a comma.

Undo and Redo sit at the far left of the toolbar and cover everything that changes the page, inserted pictures and files included. The picture button inserts an image through a file picker exactly where the cursor stands.

Versions

Release checklist

Page history

VERSION	EDITED BY	WHEN	COMMENT
v1	 Administrator	5 minutes ago	Page created Restore

A page's history: every version with its author and time.

Every version is kept. Two of them can be set side by side, and an older one can be brought back - it becomes the new version rather than overwriting the history.

Comments

Comments sit under every page. A person may delete their own - and whoever holds COMMENT_DELETE in that space may delete anybody's. Whether the button appears is decided on the server rather than guessed in the browser: it shows up exactly where it will work. It asks first, because a comment is somebody's words.

Comments can be edited and carry their date and time.

Attachments, labels and restrictions

Files hang on the page where they are needed. Labels are what people search by later. A single page can be restricted on top of the space - then only the named people or groups see it, even where the space is open.

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Labels

Every label in use, and what carries it.

LABEL	ON	PAGES	
checklist	1	Release checklist	<div>RenameRemove</div>
handbook	2	Screenshots, Writing the handbooks	<div>RenameRemove</div>
onboarding	1	Onboarding	<div>RenameRemove</div>
operations	2	Backups, Running MGWiki	<div>RenameRemove</div>
reference	1	Running MGWiki	<div>RenameRemove</div>
release	1	Release checklist	<div>RenameRemove</div>
style	1	Writing the handbooks	<div>RenameRemove</div>
troubleshooting	1	When something is wrong	<div>RenameRemove</div>

Renaming onto a label that already exists merges the two — which is usually the point, two labels differing only in case.

System settings Labels: which are in use, and how often.

Two people in one page

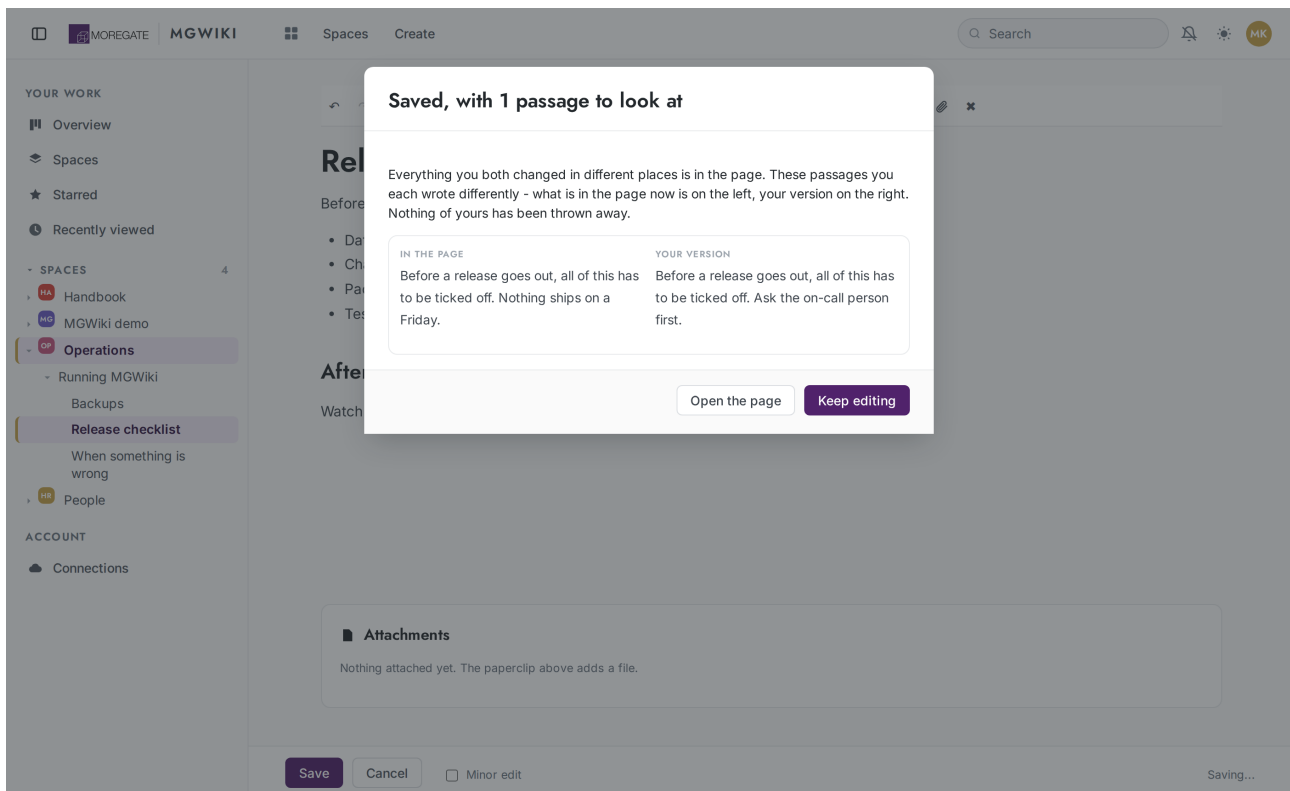
Two people can write in the same page at the same time. The second save used to win outright, and the first person's work vanished without a word.

Who else is in here

A face appears beside the block somebody is standing in, at half opacity. It is not a live cursor but a heartbeat every seven seconds - and it answers the question that matters before rewriting a paragraph.

How saves are merged

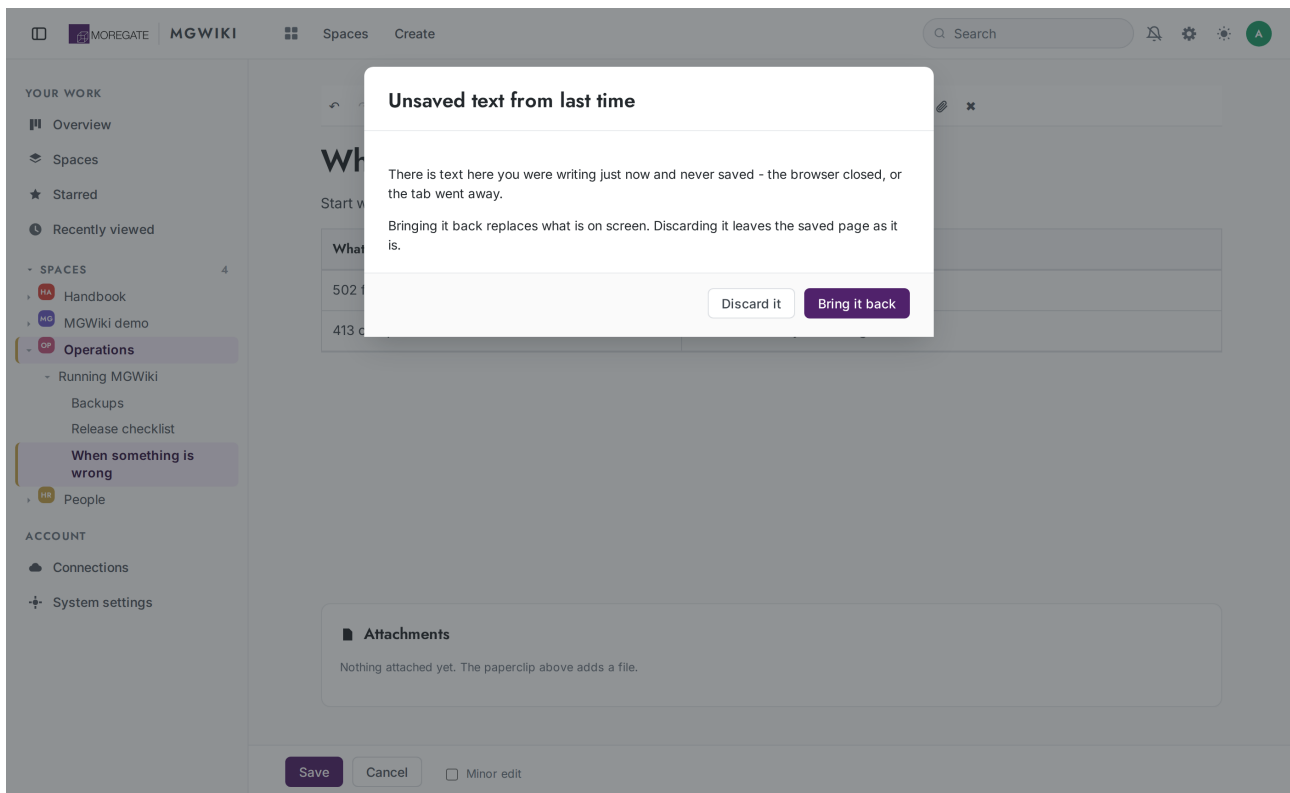
Saves are merged against the version each person started from, in blocks. That is how people write: one fixes the second paragraph while the other adds a section at the end, and those two edits never touch.



Two versions of the same paragraph: what is in the page on the left, your own on the right.

What it will not do is merge two edits of the same block. The page keeps what was saved first, and the other version is shown beside it so a person can decide. Nothing is thrown away quietly.

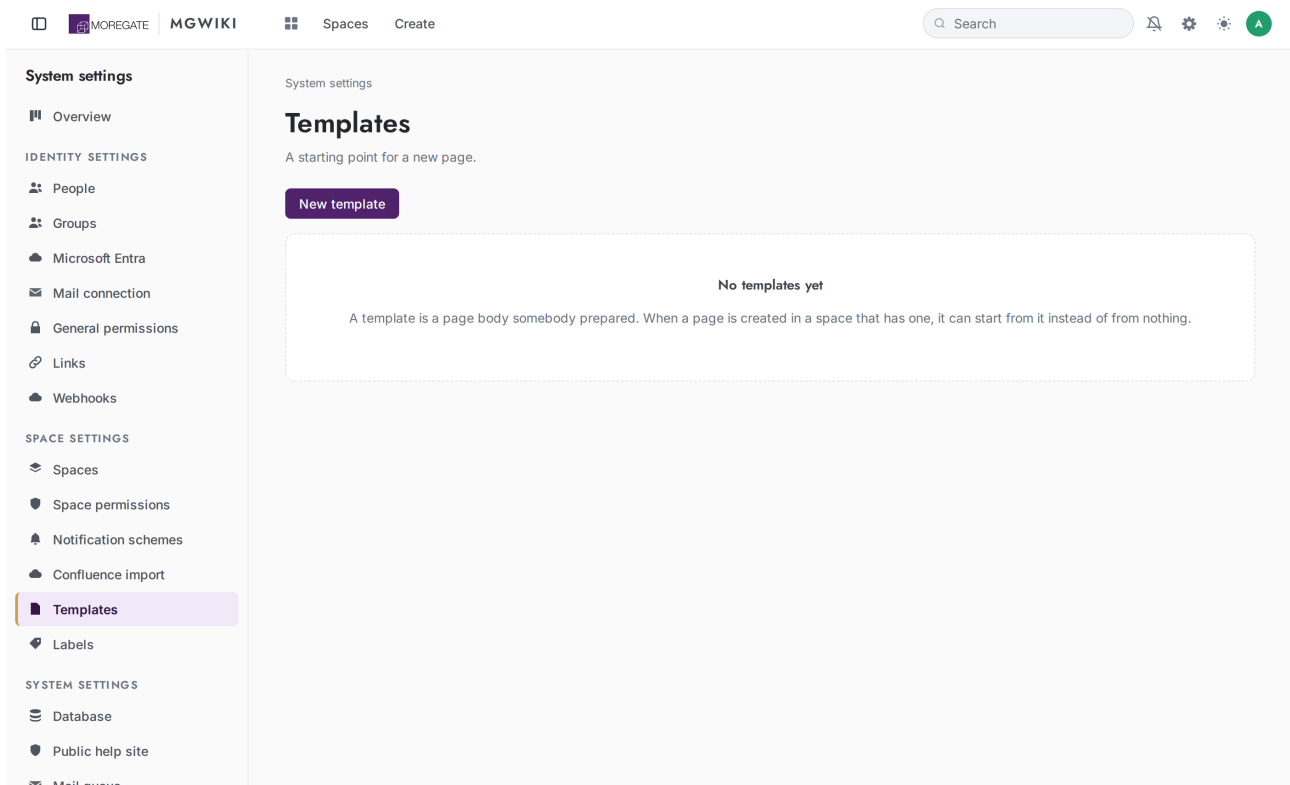
Unsaved text survives a closed browser



Opening the page again offers back what was not saved last time.

The text goes to the server every ten minutes, and again the moment the tab is hidden or closed. The draft belongs to one person on one page; nobody else ever sees it, and saving the page removes it.

Templates



System settings

Templates

A starting point for a new page.

[New template](#)

No templates yet

A template is a page body somebody prepared. When a page is created in a space that has one, it can start from it instead of from nothing.

System settings Templates: starting points for new pages.

A template is a page skeleton - the meeting minutes, the decision record, the runbook. It is offered when a page is created, so nobody rebuilds the skeleton by hand and every set of minutes looks the same.

Finding things again

The screenshot shows the MGWiki interface. At the top, there's a search bar with the text 'oper'. Below the search bar, a dropdown menu displays search results. The results are categorized into 'SPACES' and 'PAGES'. Under 'SPACES', there's 'Operations' with a sub-item 'OPS · Running the service day to day'. Under 'PAGES', there's 'Running MGWiki' (Operations · 5 minutes ago) and 'Release checklist' (Operations · 5 minutes ago). Below these, it says 'All results for "oper"'. To the right of the search bar, there's a 'Recently updated' section with a list of items: 'Onboarding' (5 minutes ago), 'Running MGWiki' (5 minutes ago), 'Release checklist' (5 minutes ago), 'Backups' (5 minutes ago), 'When something is wrong' (5 minutes ago), 'Writing the handbooks' (5 minutes ago), 'Screenshots' (5 minutes ago), and 'MGWiki demo' (10 minutes ago). Below this is a 'Starred' section with the text 'Star a page to keep it here.' and a 'Created by me' section.

Overview

What has been happening across every space you can see.

Activity

- Administrator** commented on **Release checklist** 5 minutes ago
- Marie Koch** commented on **Release checklist** 5 minutes ago
- Administrator** created **Onboarding** 5 minutes ago
- Administrator** created **Running MGWiki** 5 minutes ago
- Administrator** created **Release checklist** 5 minutes ago
- Administrator** created **Backups** 5 minutes ago
- Administrator** created **When something is wrong** 5 minutes ago
- Administrator** created **Writing the handbooks** 5 minutes ago
- Administrator** created **Screenshots** 5 minutes ago
- Administrator** commented on **Release checklist** 5 minutes ago

SPACES

Operations
OPS · Running the service day to day

PAGES

Running MGWiki
Operations · 5 minutes ago

Release checklist
Operations · 5 minutes ago

All results for "oper"

Recently updated

- Onboarding** 5 minutes ago
- Running MGWiki** 5 minutes ago
- Release checklist** 5 minutes ago
- Backups** 5 minutes ago
- When something is wrong** 5 minutes ago
- Writing the handbooks** 5 minutes ago
- Screenshots** 5 minutes ago
- MGWiki demo** 10 minutes ago

Starred
Star a page to keep it here.

Created by me

Search finds pages and - under a heading of their own - spaces.

The search covers everything the person searching may see, and never more. Beside it are the routes people take more often: recently viewed, starred pages, labels, and the tree of the space. The Spaces heading in the sidebar folds the list of spaces away.

Notifications and mail

System settings

Mail connection

Sending through Microsoft 365 or an SMTP server.

☐ Send mail from MGWiki

MICROSOFT 365 **IN USE** SMTP

☒ Send through this Microsoft 365 mailbox

TENANT ID **CLIENT ID**

contoso.onmicrosoft.com or the GUID Application (client) ID

CLIENT SECRET

The secret from the app registration

Stored beside the database with permissions 0600 and never shown again.

The registration needs the **application** permission Mail.Send with admin consent. That permission allows sending as any mailbox in the tenant, so narrow it with an application access policy to the one mailbox below.

SENDING MAILBOX **SHOWN AS**

mgwiki@moregate.com MGWiki

REPLY TO

optional

FOOTER

A line under every message, e.g. a note not to reply

System settings Mail connection: what MGWiki sends through.

Mail goes out through Microsoft 365 or an ordinary mail server over SMTP - one tab for each, the one in use marked; a button sends a test message.

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Who hears about what, in the browser and by mail. Webhooks are separate and carry their own list of events.

Default notification scheme

DEFAULT

EVENT	WATCHERS	AUTHOR	SPACE ADMINS
Page created	☒	☐	☐
Page updated	☒	☐	☐
Page deleted	☒	☐	☐
Comment added	☒	☐	☐
Mention	☒	☐	☐
Attachment added	☒	☐	☐
Space created	☒	☐	☐

Save scheme

System settings Notification schemes: who hears about what.

Whoever watches a page or a space hears about changes and comments. What exactly goes out is in the scheme; whether it arrived, you see in the queue.

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Mail queue

Sending is switched off.

TO	SUBJECT	STATE	TRIES	QUEUED	ERROR
admin (no address)	New comment on: Release checklist	FAILED	5	3 minutes ago	That account has no email address, so nothing could be sent. Add one under System settings and People.

System settings Mail queue: what went out and what is stuck.

The public help site

System settings

System settings

Public help site

One space, published read-only for people who have no account here.

☐ Publish a space as a public help site

SPACE TO PUBLISH

— none —

Everything in it becomes readable by anyone who knows the address. A page carrying a restriction, and anything below it, is never published.

PORT **PUBLIC ADDRESS**

8081 help.moregate.com

The help site listens on 127.0.0.1:8081 and HAProxy points at it. **The port is what tells a public request apart** — it comes from the socket the request arrived on, which nothing outside can forge. A hostname would only be a header. The address above is used for links and for what is shown here, nothing else.

Opening a socket happens at start-up, so a new port needs `systemctl restart mg-wiki`. The wiki itself listens on 127.0.0.1:7719.

TITLE

Moregate Help

TAGLINE

Help and documentation

FOOTER

A line at the bottom of every page

☒ Offer a search box

System settings Public help site: what is public and what is not.

Chosen pages can be made readable without signing in – a help site for customers, out of the same text that is kept up internally. Publishing is page by page and deliberate; nothing slips out by itself.

The public site and the wiki answer on separate addresses. There is no route that answers on both, and no session that crosses over.

Importing from Confluence

System settings

System settings

Confluence import

Bring spaces over from a Confluence Cloud site.

The site

An **API token** of one account, sent with that account's address. Create one at id.atlassian.com → Security → API tokens. An organisation token would be the wrong instrument — those exist for administering the org itself. Give the account read access to the spaces you want to bring over, and nothing else.

SITE ADDRESS

With or without the trailing `/wiki`.

ACCOUNT

API TOKEN

Kept in `confluence.json` next to the database with permissions 0600, never shown again.

Spaces to bring over

Everything comes across: the pages with their place in the tree, attachments, labels and the page bodies with their macros translated. Running it again updates what already arrived instead of copying it a second time — and overwrites edits made here in the meantime.

System settings Confluence import: pick the spaces and bring them over.

Spaces can be taken over from a Confluence instance with their page trees, attachments, comments and labels. It reads through the API; nothing is ever written back. The run reports what was taken over and what was not – and whatever was left out is listed with its reason.

Webhooks and links

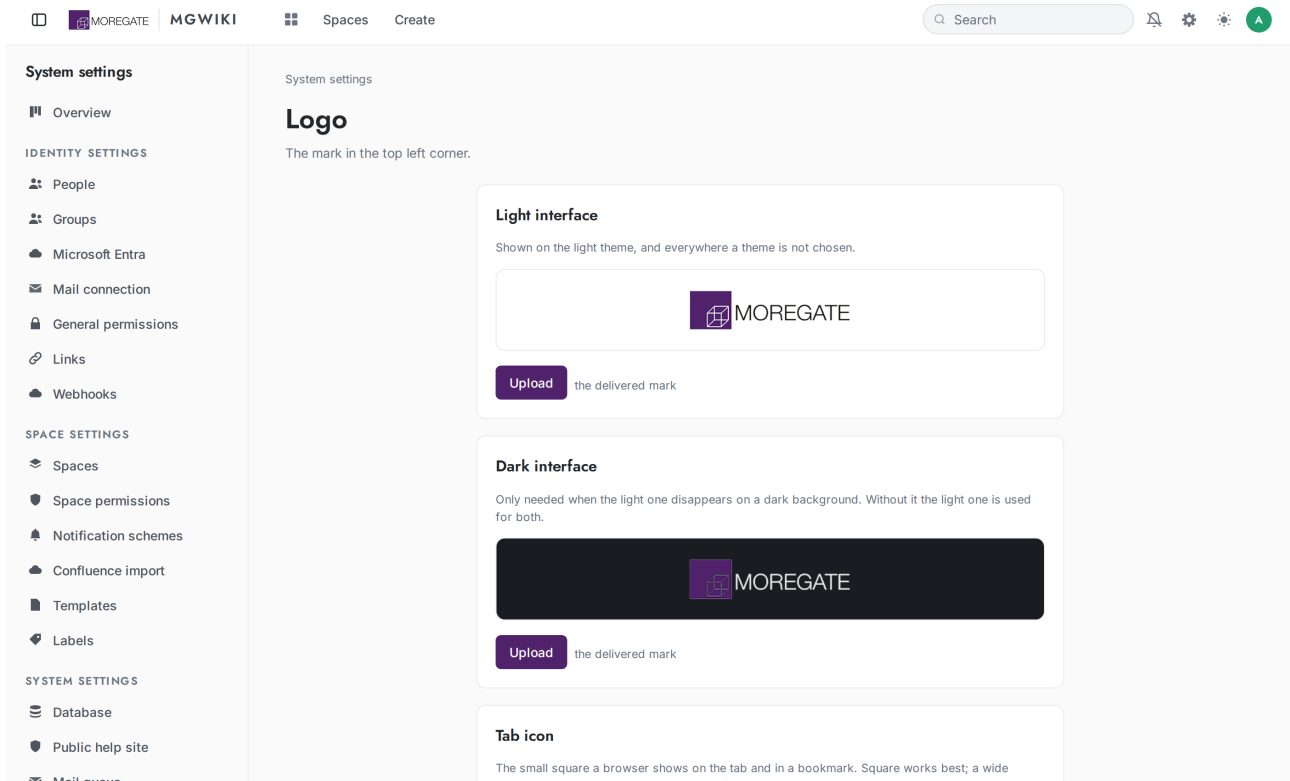
The screenshot shows the MGWiki interface. At the top, there's a navigation bar with 'MOREGATE' and 'MGWIKI' logos, 'Spaces' and 'Create' buttons, a search bar, and notification icons. The left sidebar is titled 'System settings' and lists various categories: Overview, IDENTITY SETTINGS (People, Groups, Microsoft Entra, Mail connection, General permissions, Links, Webhooks), SPACE SETTINGS (Spaces, Space permissions, Notification schemes, Confluence import, Templates, Labels), and SYSTEM SETTINGS (Database, Public help site, Mail queue). The 'Webhooks' option is highlighted. The main content area is titled 'System settings' and 'Webhooks'. It includes a description: 'Post events into a Microsoft Teams channel or any endpoint that accepts JSON.' and an 'Add webhook' button. Below this is a large dashed box with the text 'No webhook yet' and a subtext: 'Create an incoming webhook in your Teams channel and paste its address here.'

System settings Webhooks: events sent to another service.

The screenshot shows the MGWiki interface. At the top, there's a navigation bar with 'MOREGATE' and 'MGWIKI' logos, 'Spaces' and 'Create' buttons, a search bar, and notification icons. The left sidebar is titled 'System settings' and lists various categories: Overview, IDENTITY SETTINGS (People, Groups, Microsoft Entra, Mail connection, General permissions, Links, Webhooks), SPACE SETTINGS (Spaces, Space permissions, Notification schemes, Confluence import, Templates, Labels), and SYSTEM SETTINGS (Database, Public help site, Mail queue). The 'Links' option is highlighted. The main content area is titled 'System settings' and 'Links'. It includes a description: 'Addresses everybody reaches from the four squares in the top bar.' and a 'New link' button. Below this is a large dashed box with the text 'No links yet' and a subtext: 'The shelf of addresses everybody needs — the ticket system, the intranet, the holiday calendar. They appear behind the four squares in the top bar, for everyone.'

System settings Links: the shelf in the top bar.

Your own look



System settings Logo: the mark, the tab icon and the accent colour.

Sidebar and the installation's name

The switch at the very front of the top bar folds the sidebar away; the content then uses the full width. It is remembered per account, and without a choice of your own the sidebar is open.

Under System settings › Instance the installation can be given a name. It replaces the product name in the top bar and the browser tab, so several installations on one server can be told apart. Empty brings the product name back.

Replace the logo for light and for dark pages and the icon in the browser tab. The files live in the data directory and survive every update. The name in the top bar is a setting, not a fixture: under System settings › Instance the installation can be given a name of its own, shown in the top bar and the browser tab.

Attachments and the viewer

Attachments open in a viewer without leaving the browser: images, video, audio, PDF and text - and Word, Excel and other office documents, which LibreOffice converts to PDF on the server. The conversion happens once and is kept beside the attachment.

What kind a file is comes from the file itself, not its extension. HTML and SVG are shown sandboxed - an uploaded page cannot run anything in the viewer.

Deleting an issue, a project or a space takes its files and their converted previews off the disk. A deleted number is never given out again, so nothing left over can attach itself to something new with the same number.

Mail queue

The screenshot shows the 'Mail queue' page in the MGWiki system settings. The left sidebar contains a navigation menu with categories: System settings, IDENTITY SETTINGS, SPACE SETTINGS, and SYSTEM SETTINGS. The 'Mail queue' option is highlighted under IDENTITY SETTINGS. The main content area shows the 'Mail queue' title and a message 'Sending is switched off.' Below this is a table with the following data:

TO	SUBJECT	STATE	TRIES	QUEUED	ERROR
admin (no address)	New comment on: Release checklist	FAILED	5	3 minutes ago	That account has no email address, so nothing could be sent. Add one under System settings and People.

System settings Mail queue: what went, what waits, what failed.

Mail no longer goes out directly but through a queue, so saving never waits for the mailbox. A mail that fails is tried five times and then kept with the reason; from here it can be sent again.

The worker service works through the queue. The test message on the mail connection page is the one exception and goes out at once - it is meant to show whether the connection works now.

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WHEN	WHO	ACTION	OBJECT	DETAIL
just now	Administrator	sign-in	request admin	
2 minutes ago	Administrator	sign-in	request admin	
3 minutes ago	Marie Koch	sign-in	request m.koch	
3 minutes ago	Administrator	PUT /api/spaces/<int:space_id>/permissions	request {"space_id": 4}	{"subjects": [{"subject_type": "group", "subject_id": 1, "permissions": ["SPACE_ADMIN"]}, {"subject_type": "group", "subject_id": 2, "permissions": ["SPACE_ADMIN"]}]}
3 minutes ago	Administrator	PUT /api/spaces/<int:space_id>/permissions	request {"space_id": 3}	{"subjects": [{"subject_type": "group", "subject_id": 1, "permissions": ["SPACE_ADMIN"]}, {"subject_type": "group", "subject_id": 2, "permissions": ["SPACE_ADMIN"]}]}
3 minutes ago	Administrator	PUT /api/spaces/<int:space_id>/permissions	request {"space_id": 2}	{"subjects": [{"subject_type": "group", "subject_id": 1, "permissions": ["SPACE_ADMIN"]}, {"subject_type": "group", "subject_id": 2, "permissions": ["SPACE_ADMIN"]}]}
3 minutes ago	Administrator	sign-in	request admin	
3 minutes ago	Administrator	sign-in	request admin	
3 minutes ago	Marie Koch	sign-in	request m.koch	

System settings Audit log: who changed what, with filters and a CSV export.

Recorded are every change to administration, every sign-in and every deletion - with the person, the time, and what applied before and after. Secrets such as passwords and keys appear masked. Filter by person, kind and period; the export is CSV.

What an automation rule does is recorded as Automation - not as the person who happened to trigger it.

Keeping it running

Two services

MGWiki runs as two systemd services: mg-wiki.service answers requests through gunicorn, mg-wiki-worker.service does everything in the background - mail, syncs, rules. A lease in the database makes sure two workers never do the same work.

Monitoring

```
curl https://.../api/health
curl https://.../api/health/details
```

/api/health says whether the service is there; /api/health/details what a monitoring system wants - database, schema steps, background jobs, disk. With MGWIKI_LOG_FORMAT=json MGWiki logs as JSON. An unexpected error is logged with a reference the answer names - whoever reports it lands at the right line of the log at once.

Checking the database without changing it

```
sudo -u mgwiki /opt/mg-wiki/app/mgwiki --manage db-check
```

Names the schema state, pending steps, missing tables and columns - and only reads. Meant also for sending us the output: no content leaves the database.

What is in the package

Every package carries a software bill of materials, sbom.cdx.json (CycloneDX 1.5): every library at its exact version with its checksum and licence, plus the Python interpreter, OpenSSL and the fonts. The build checks every package against known vulnerabilities and does not ship when one is affected.

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Writing to PostgreSQL at 127.0.0.1:5432/hb_mgwiki (the connection in use right now)

4 SPACES

8 PAGES

8 VERSIONS

3 COMMENTS

0 ATTACHMENTS

8 LABELS

2 PEOPLE

2 GROUPS

0 WEBHOOKS

1 QUEUED MAIL

20 AUDIT ENTRIES

PostgreSQL connection

HOST

127.0.0.1

PORT

5432

DATABASE

hb_mgwiki

USER

mg

PASSWORD

unchanged

TLS

prefer

Test connection

Stored in /tmp/h2/data-mgwiki/database.json, readable only by the service account because it holds the password.

System settings Database: which database is in use and whether anything is missing.

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3 minutes ago	Administrator	PUT /api/spaces/<int:space_id>/permissions	request {"space_id": 3}	{"subjects": [{"subject_type": "group", "subject_id": 1, "permissions": ["SPACE_ADMIN"]}, {"subject_type": "group", "subject_id": 2, "permissions": ["SPACE_ADMIN"]}]}
3 minutes ago	Administrator	PUT /api/spaces/<int:space_id>/permissions	request {"space_id": 2}	{"subjects": [{"subject_type": "group", "subject_id": 1, "permissions": ["SPACE_ADMIN"]}, {"subject_type": "group", "subject_id": 2, "permissions": ["SPACE_ADMIN"]}]}
3 minutes ago	Administrator	sign-in	request admin	
3 minutes ago	Administrator	sign-in	request admin	
3 minutes ago	Marie Koch	sign-in	request m.koch	

System settings Audit log: who changed what.

The audit log names every change to accounts, permissions and spaces with its author and time - the questions that get asked later, when something was open that should not have been.

Backups

```
sudo -u postgres pg_dump mgwiki > mgwiki-$(date +%F).sql
sudo tar czf mgwiki-data-$(date +%F).tar.gz /var/lib/mg-wiki
```

Everyday commands

What for	Command
Status and health	<code>sudo ./deploy.sh --status</code>
Follow the log	<code>journalctl -u mg-wiki -f</code>
New admin password	<code>sudo ./deploy.sh --reset-admin</code>
Back to before the last update	<code>sudo ./deploy.sh --rollback</code>
Check the database, read only	<code>/opt/mg-wiki/app/mgwiki --manage db-check</code>
Remove, keeping data	<code>sudo ./deploy.sh --uninstall</code>
Remove everything	<code>sudo ./deploy.sh --uninstall --purge</code>

When something is wrong

What you see	Where to look
502 from the proxy	The service is not running - <code>systemctl status</code>
413 on upload	<code>client_max_body_size</code> in nginx
Nothing can be changed	The licence, or too many accounts
No mail	The mail connection, then the queue
Everybody signed out	MGWIKI_SECRET was changed

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Instance

What this installation is called and where it keeps its files.

Name of this installation

Shown in the browser tab and beside the logo. Several installations on one server look alike otherwise, and somebody with three tabs open cannot tell which is the test one. Leave it empty for none.

e.g. Test system

Save

Address

The public address the reverse proxy serves MGWiki on. It is used for the links in notification mails and for the Microsoft Entra redirect URI — never for binding, which stays at 127.0.0.1:7719.

BASE URL

http://127.0.0.1:7719

ENTRA REDIRECT URI THAT FOLLOWS FROM IT

http://127.0.0.1:7719/auth/microsoft/callback

Change the base URL and this has to be re-registered in Entra, otherwise Microsoft sign-in stops working.

Save changes

Version

2.0

Signed in as

Administrator

System settings Instance: version and changelog.

MGWiki handbook 2.0

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