

MOREGATE

MGProject

The complete guide

Installation, administration and daily use

2.0

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What MGProject is

MGProject is an issue tracker you run yourself. Projects, boards, sprints, a backlog, planning overviews, time recording, routines, automation and reports - on your own server, with your own database, and without anything leaving the house.

The screenshot shows the MGProject dashboard for an administrator. The interface includes a top navigation bar with 'MOREGATE', 'MGPROJECT', and navigation links for 'Your work', 'Projects', 'Boards', and 'Filters'. A 'Create' button is also present. A search bar for 'Search issues' is on the right. The left sidebar lists 'YOUR WORK' (Dashboard, Projects, Boards, Planning Overview, Routines, Reports, Issue search) and 'ACCOUNT' (Account and passkeys, System settings). The main area is titled 'Good afternoon, Administrator' and shows a 'Team overview' with a 'SHARED READ' status. It features several gadgets: 'Numbers at a glance' with four boxes showing '0 ASSIGNED TO YOU', '10 IN PROGRESS', '13 RESOLVED', and '38 ISSUES TOTAL'; 'Activity stream' listing recent actions by Marie Koch; 'Assigned to me' showing 'Nothing here yet.'; and 'Issues by status' with a donut chart showing 38 total issues: To Do (15), In Progress (6), In Review (3), Blocked (1), and Done (13).

The dashboard after signing in: gadgets you choose yourself.

This guide describes every function in the program. Read the first three chapters if you are installing it; start at "Working with issues" if somebody has done that for you.

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

Ubuntu 24.04 LTS is the floor, and newer releases are fine. The package carries its own Python runtime, so you may upgrade, replace or remove the system Python without touching MGProject. What it ties to is the C library of the distribution.

Browsers: any current Firefox, Chrome, Edge or Safari. Passkeys need a device that offers them and a host name - they do not work on a bare IP address.

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

The script creates the service account, installs the application under /opt/mgproject, puts the data at /var/lib/mgproject and starts a systemd unit called mgproject.service. It listens on 127.0.0.1:6633. Nothing is fetched from the internet.

Settings in the environment

```
MGPROJECT_SECRET=a-long-random-string
MGPROJECT_URL=https://project.example.com
MGPROJECT_MAX_UPLOAD_MB=100
```

Key	What for
MGPROJECT_SECRET	signs the sessions; change it and everybody signs in again
MGPROJECT_URL	what notification e-mails link to
MGPROJECT_MAX_UPLOAD_MB	the ceiling for attachments

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; MGProject creates its schema when it starts.

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

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://127.0.0.1:6633;  
    proxy_set_header Host $host;  
    proxy_set_header X-Forwarded-Proto $scheme;  
    client_max_body_size 100M;  
    proxy_read_timeout 120s;  
}
```

`client_max_body_size` is the usual reason a larger attachment is refused: nginx allows one megabyte by default, whatever MGProject permits.

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

SYSTEM SETTINGS

License

LICENSED Licensed to Northwind Ltd until 2029-12-31, for 25 users.

Licensed to	Northwind Ltd
Product	mgproject
Valid until	2029-12-31 - 1168 days left
Users	6 of 25 - 19 still free

LICENCE KEY

Paste the key you were given

Line breaks and spaces do not matter.

[Enter this licence](#) [Remove the licence](#)

System settings License: customer, product, expiry and how many of the licensed seats are in use.

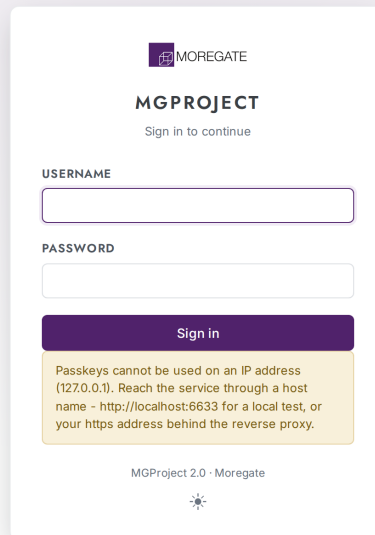
The first installation needs no licence. Sign in, change the password you were given, and work - nothing is locked. What a licence pays for is updates, and with them the fixes and the support.

- Without a licence: the instance can be read but not changed
- An update refuses to install without a valid licence
- An expired licence still installs the update it was valid for

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

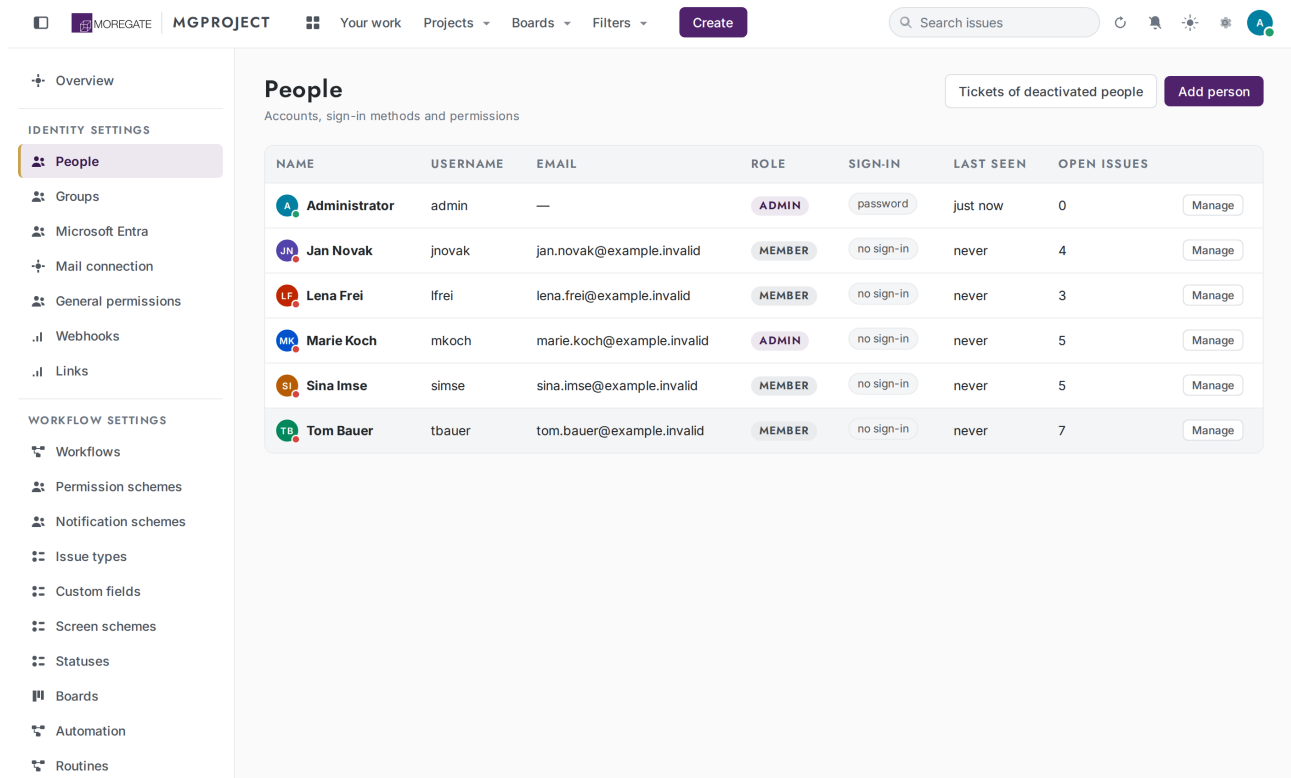
Counted are all active accounts, whether they sign in with a password or through Entra ID. Deactivated accounts do not count.

Accounts, groups and signing in



The image shows a sign-in page for MGPROJECT. At the top, there is a logo for MOREGATE and the text 'MGPROJECT' followed by 'Sign in to continue'. Below this are two input fields: 'USERNAME' and 'PASSWORD'. A 'Sign in' button is positioned below the password field. A yellow warning box contains the text: 'Passkeys cannot be used on an IP address (127.0.0.1). Reach the service through a host name - http://localhost:6633 for a local test, or your https address behind the reverse proxy.' At the bottom, it says 'MGProject 2.0 · Moregate' with a small logo.

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



The image shows the 'People' section of the MGPROJECT system settings. The top navigation bar includes 'MOREGATE', 'MGPROJECT', 'Your work', 'Projects', 'Boards', 'Filters', and a 'Create' button. A search bar for 'Search issues' is also present. The left sidebar lists 'Overview' and 'IDENTITY SETTINGS', with 'People' selected. The main content area is titled 'People' and includes a subtitle 'Accounts, sign-in methods and permissions'. It features a table with columns: NAME, USERNAME, EMAIL, ROLE, SIGN-IN, LAST SEEN, OPEN ISSUES, and a 'Manage' button. The table lists six users: Administrator (ADMIN), Jan Novak (MEMBER), Lena Frei (MEMBER), Marie Koch (ADMIN), Sina Imse (MEMBER), and Tom Bauer (MEMBER). A 'Tickets of deactivated people' button and an 'Add person' button are located at the top right of the table.

NAME	USERNAME	EMAIL	ROLE	SIGN-IN	LAST SEEN	OPEN ISSUES	
Administrator	admin	—	ADMIN	password	just now	0	Manage
Jan Novak	jnovak	jan.novak@example.invalid	MEMBER	no sign-in	never	4	Manage
Lena Frei	lfrei	lena.frei@example.invalid	MEMBER	no sign-in	never	3	Manage
Marie Koch	mkoch	marie.koch@example.invalid	ADMIN	no sign-in	never	5	Manage
Sina Imse	simse	sina.imse@example.invalid	MEMBER	no sign-in	never	5	Manage
Tom Bauer	tbauer	tom.bauer@example.invalid	MEMBER	no sign-in	never	7	Manage

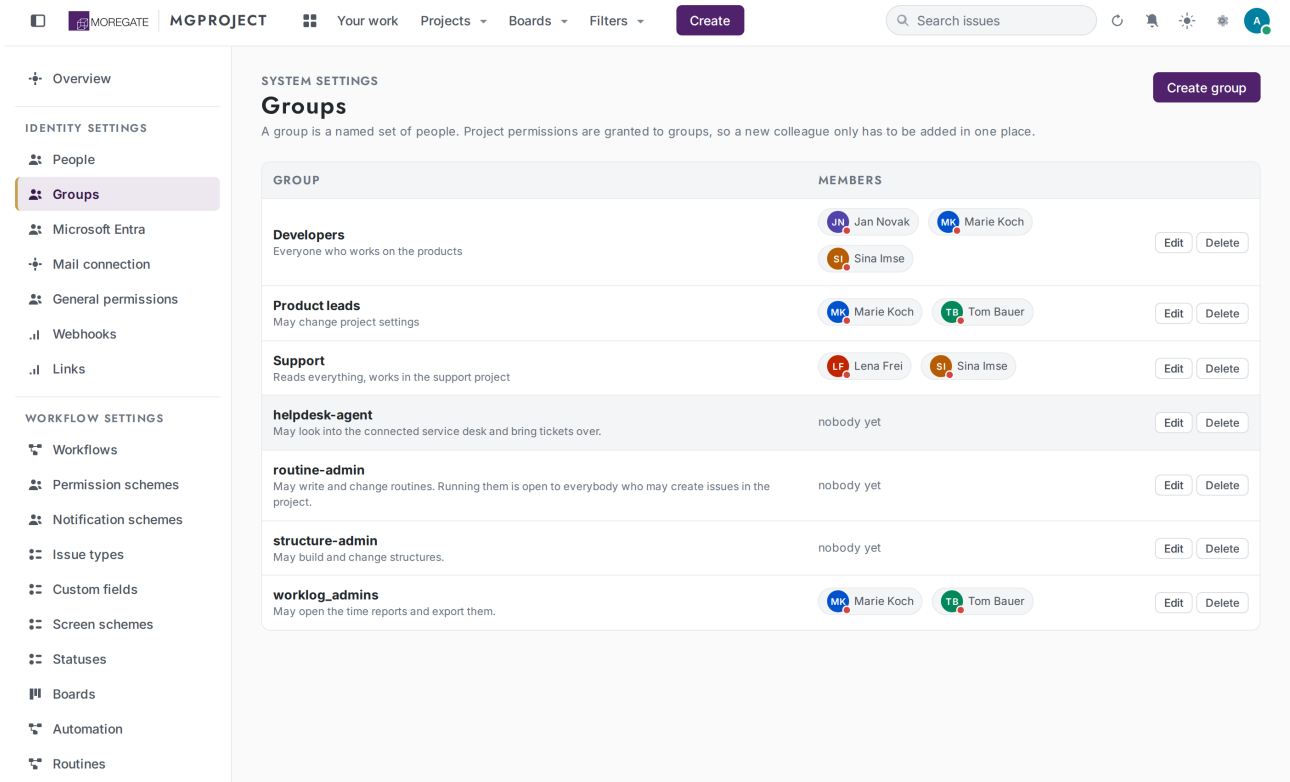
System settings People: create accounts, reset passwords, grant roles, deactivate accounts.

The first password comes from the deployment and has to be changed at the first sign-in. After that everybody changes their own password and sets up a passkey under "Account and passkeys" - fingerprint, face or a security key.

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".

Under People a button leads to a page listing every issue of a deactivated person; they can be handed to somebody else one at a time or in a batch.



System settings Groups: permissions for several people at once.

Group	What it opens
worklog_admins	The time reports, and other people's bookings
helpdesk-agent	The connected service desk
structure-admin	Building and changing planning overviews
routine-admin	Writing and editing routines

MOREGATE

MGPROJECT

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Create

Q Search issues

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People

Groups

Microsoft Entra

Mail connection

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Workflows

Permission schemes

Notification schemes

Issue types

Custom fields

Screen schemes

Statuses

Boards

Automation

Routines

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.

1. Supported account types: **this organisational directory only**

2. Redirect URI, platform **Web**: `http://127.0.0.1:7633/auth/entra/callback`

3. Under **Certificates & secrets** create a client secret and copy its *value* right away

4. 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

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

RESTRICT TO THESE DOMAINS

example.com, example.de

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

☒ CREATE AN ACCOUNT ON FIRST SIGN-IN

☐ OFFER "SIGN IN WITH MICROSOFT" ON THE SIGN-IN PAGE

☐ HIDE PASSWORD AND PASSKEY — MICROSOFT ONLY

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

You need the directory ID, the application ID, a secret and the redirect URI printed on this page - copy it, do not type it. Accounts appear on first sign-in; no groups are taken from the directory.

MOREGATE

MGPROJECT

Your work

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Create

Q Search issues

YOUR WORK

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ACCOUNT

Account and passkeys

System settings

SAVED FILTERS

All bugs

My open issues

SYSTEM SETTINGS

General permissions

What may be done above the projects. Administrators always may.

PERMISSION	GRANTED TO	
Create projects	administrators only	Change
Change any project's settings	administrators only	Change
Create, start and close sprints	administrators only	Change
Open the time reports	the group worklog_admins	Change
Use the connected service desk	the group helpdesk-agent	Change
Build and change planning overviews	the group structure-admin	Change
Share filters and dashboards with everyone	administrators only	Change
Build dashboards - add gadgets, save, share, rename	the group anyone	Change

Nothing granted means the default applies: the group named there, or administrators alone. Adding an entry replaces that default.

System settings General permissions: what is allowed above the projects.

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This says who may create projects, who may start sprints and who sees the time reports.
Everything else is granted per project.

Projects and boards

The screenshot shows the MGPROJECT web application. The top navigation bar includes the MGPROJECT logo, a 'Your work' section with links to Projects, Boards, and Filters, and a 'Create' button. A search bar for 'Search issues' is also present. The left sidebar, under 'YOUR WORK', lists 'Dashboard', 'Projects' (selected), 'Boards', 'Planning Overview', 'Routines', 'Reports', and 'Issue search'. Below this, the 'ACCOUNT' section includes 'Account and passkeys' and 'System settings'. The 'SAVED FILTERS' section lists 'All bugs' and 'My open issues'. The main 'Projects' section features a table with the following data:

NAME	KEY	TYPE	LEAD	PROGRESS	
H Helpdesk	HLP	Kanban	LF Lena Frei	2/6 done	Board ↕
L Lantern Sync	LNS	Scrum	TB Tom Bauer	2/7 done	Board ↕
O Orbit Portal	ORB	Scrum	MK Marie Koch	9/25 done	Board ↕

The projects, with their key and lead.

A project holds issues and carries a key - the letters in front of every issue number. Choose it carefully: it is what people type, say and search for, and it does not change afterwards.

[Your work](#)
[Projects](#)
[Boards](#)
[Filters](#)
[Create](#)

YOUR WORK

- Dashboard
- Projects
- Boards
- Planning Overview
- Routines
- Reports
- Issue search

ACCOUNT

- Account and passkeys
- System settings

SAVED FILTERS

- All bugs
- My open issues

Boards

A board can cover several projects, so one sprint carries work from all of them.

BOARD	TYPE	PROJECTS	SPRINT	
HLP board	Kanban	HLP	-	Open · Settings
LNS board	Scrum	LNS	no active sprint	Open · Backlog · Settings
ORB board	Scrum	ORB	Orbit Sprint 14 · 2/9 done	Open · Backlog · Settings
Product delivery	Scrum	ORB LNS	Delivery Sprint 3 · 0/0 done	Open · Backlog · Settings

The boards, each with its projects.

ORB board

SCRUM BOARD

PLANNING

Backlog

Board

Issues

Reports

BOARD

Settings

PROJECTS ON THIS BOARD

Orbit Portal

ORB BOARD

Board settings

Details

PROJECTS ON THIS BOARD

Issues from every selected project share the backlog and the sprints of this board. The first one is used when something needs a default.

☐

HLP

Helpdesk

☐

LNS

Lantern Sync

☒

ORB

Orbit Portal

NAME

ORB board

TYPE

Scrum — backlog and sprints

Save board

Columns

Map workflow statuses onto board columns and set work in progress limits.

COLUMN 1

To Do

WIP limit

☒ To Do

☐ In Progress

☐ In Review

☐ Blocked

☐ Done

COLUMN 2

In Progress

4

☐ To Do

☒ In Progress

☐ In Review

☒ Blocked

☐ Done

COLUMN 3

In Review

WIP limit

☐ To Do

☐ In Progress

☒ In Review

☐ Blocked

☐ Done

COLUMN 4

Done

WIP limit

☐ To Do

☐ In Progress

☐ In Review

☐ Blocked

☒ Done

Danger zone

Deleting the board removes its sprints. The issues themselves stay, they simply return to the backlog of their project.

Delete board

Board settings: columns, projects, and what is shown in the sprint.

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Boards

4 boards across all projects

BOARD

PROJECTS

TYPE

HLP board

HLP

kanban

Open

LNS board

LNS

scrum

Open

ORB board

ORB

scrum

Open

Product delivery

ORB LNS

scrum

Open

Delete selected

Deleting a board removes its columns and its sprints. The issues stay - they belong to their project, not to the board.

System settings Boards: every board of the instance at a glance.

Working with issues

The screenshot displays the MGProject interface. On the left, a sidebar shows the 'ORB board' with a 'Backlog' view selected. The main area shows a 'Backlog' for 'Orbit Sprint 14' with a list of issues. On the right, a detailed view of an issue (ORB-1) is shown. The issue is titled 'Collection based licensing' and is in the 'IN PROGRESS' status. The description is 'What ships with this epic, in the words that go into the release notes.' The issue is assigned to Marie Koch and has a priority of High. The details section on the right lists various fields: Type (Epic), Status (IN PROGRESS), Priority (High), Assignee (Marie Koch), Participants (Add), Reporter (Marie Koch), Story points, Estimate (e.g. 2d 4h), Time left (no estimate · 1h logged), Sprint (None), Start date (not started), End date (not finished), Due date (mm/dd/yyyy), Release date (not released yet), Created (21 Aug 2026, 13:15), Updated (21 Aug 2026, 13:15 (2mo ago)), Labels (licensing), and Fix version.

An issue: description and comments on the left, the fields on the right.

An issue has a type, a status, a priority and somebody it is assigned to. Summary and description are edited in place - click, type, click away. Web addresses become links once saved.

An issue opens over the page it was opened from. The arrow in the corner leads back through issues opened from one another; the cross closes. Ctrl- or middle-click opens it in a tab of its own on purpose.

Created and Updated are fields of their own on the right; every comment carries its date and time. Screenshots paste straight into a comment or the description and can be resized by dragging a corner. Typing @ in a comment offers the people who may see the project - whoever is named is told.

Assignee and participants

The assignee leads the issue and is the one who moves its status. Participants help: as many people as needed, chosen from those who may work in that project. They book their own time on the issue and find it under "My work in the sprint" - the status stays the assignee's to move. In MQL they are found with `participant = currentUser()`.

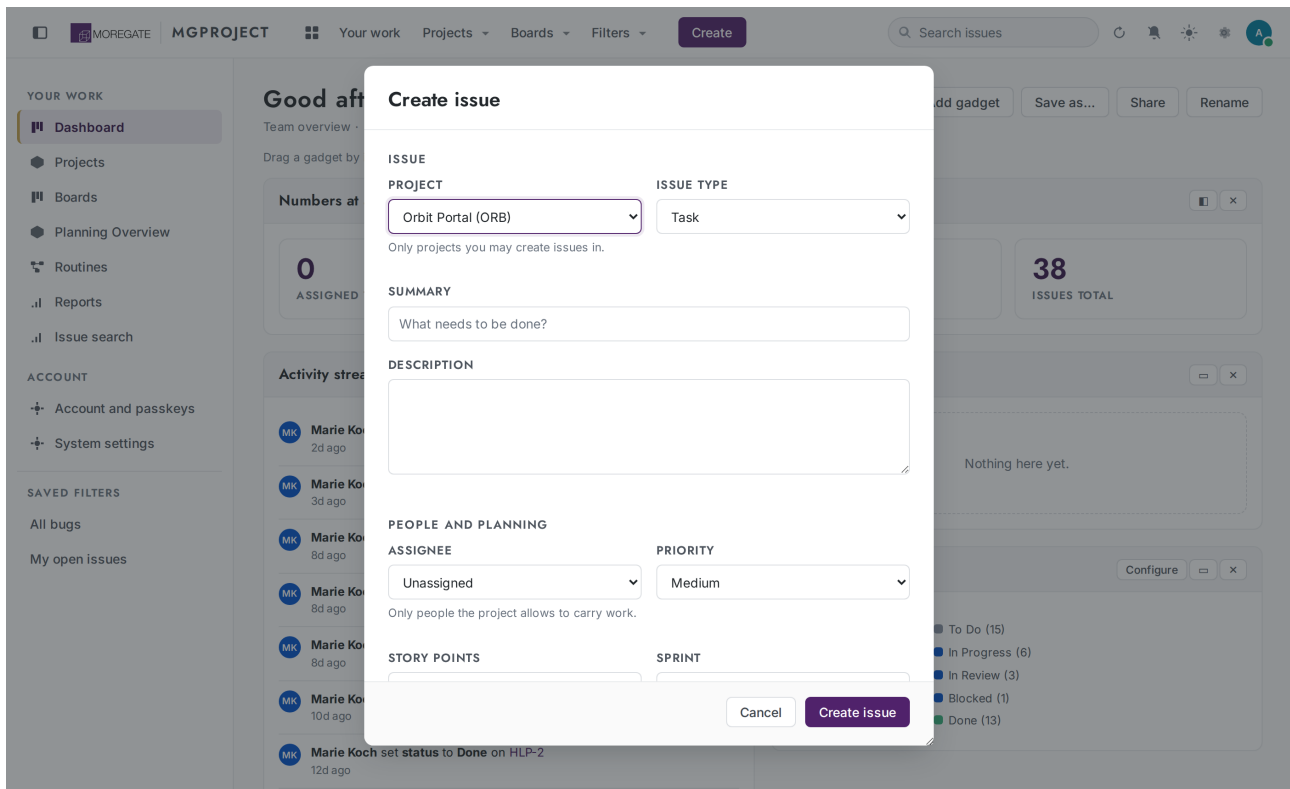
Comments, history and attachments

Three tabs sit under the description: comments, history and work log. The history names every change with its author and time. Attachments hang on the issue and can be dropped in.

Time

Time is logged on the issue, in the shape it is spoken: 3h 30m, 2d, 45m. Own bookings are always visible; other people's are for the worklog_admins group.

Creating one

The image shows a screenshot of the MGProject web application with a 'Create issue' modal dialog box open. The dialog has a title bar 'Create issue' and a close button. It contains several sections: 'ISSUE' with 'PROJECT' (a dropdown menu showing 'Orbit Portal (ORB)') and 'ISSUE TYPE' (a dropdown menu showing 'Task'); 'SUMMARY' with a text input field containing 'What needs to be done?'; 'DESCRIPTION' with a large text area; 'PEOPLE AND PLANNING' with 'ASSIGNEE' (a dropdown menu showing 'Unassigned') and 'PRIORITY' (a dropdown menu showing 'Medium'); and 'STORY POINTS' and 'SPRINT' (both empty input fields). At the bottom right of the dialog are 'Cancel' and 'Create issue' buttons. The background shows the MGProject dashboard with a sidebar on the left and a main content area with various widgets like 'Numbers at a glance', 'Activity stream', and a 'To Do' list.

The create dialogue: project, type and the fields of the screen.

Which fields appear is decided by the screen for that issue type in that project. Sub-tasks sit under an issue, epics above it.

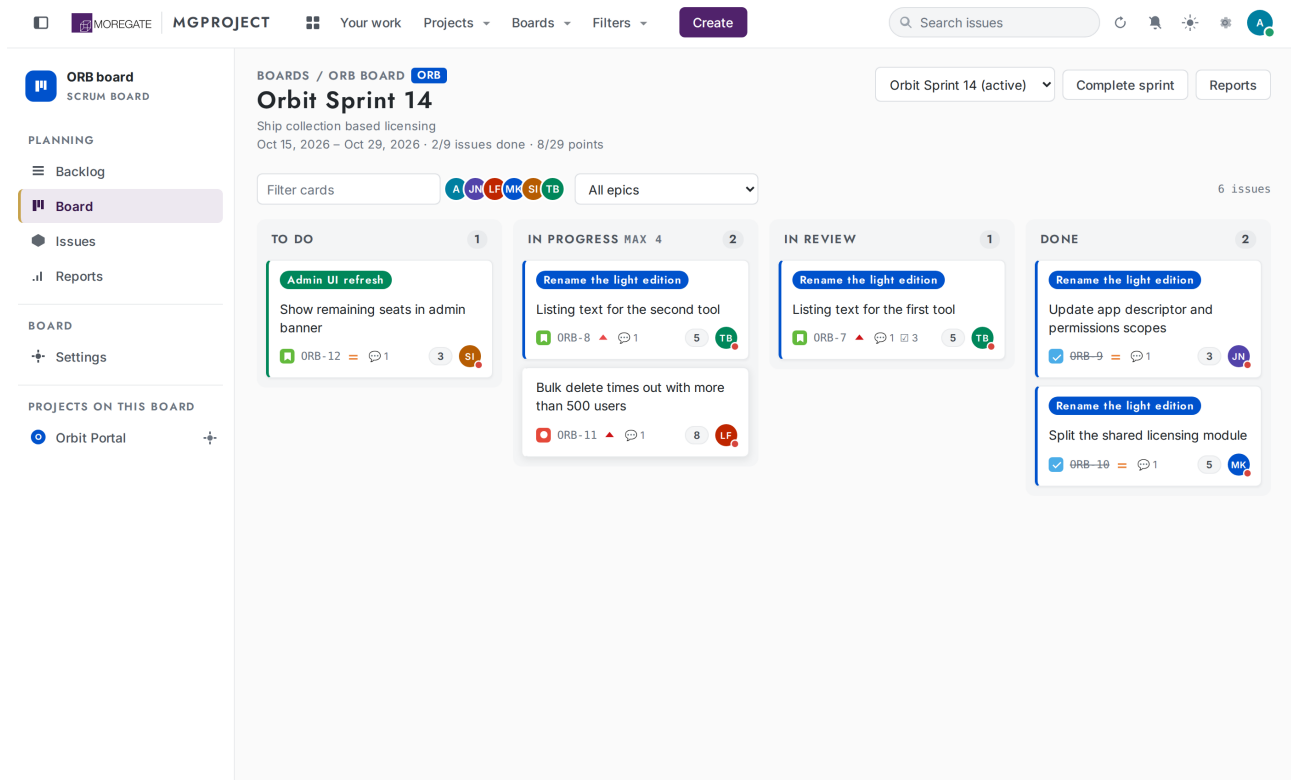
Boards, backlog and sprints

The screenshot displays the MGProject interface for a Scrum Board named 'ORB board'. The top navigation bar includes 'Your work', 'Projects', 'Boards', and 'Filters', along with a 'Create' button and a search bar. The left sidebar shows the 'Backlog' selected under the 'PLANNING' section, with other options like 'Board', 'Issues', and 'Reports'. The main area shows the 'Backlog' for the 'ORB board'. It lists issues with their status, estimate, and assigned person. Two sprints are visible: 'Orbit Sprint 14' (ACTIVE) and 'Orbit Sprint 15' (ACTIVE). The 'Backlog' section at the bottom shows 4 items and options to collapse or expand items.

SUMMARY	ESTIMATE	STATUS	ASS. PART.
ORB-7 Listing text for the first tool	3	IN REVIEW	TB
ORB-25 Legal review	=	TO DO	TB
ORB-23 Prepare screenshots	=	TO DO	TB
ORB-24 Write listing copy	=	TO DO	TB
ORB-8 Listing text for the second tool	=	IN PROGRESS	TB
ORB-9 Update app descriptor and permissions ...	=	DONE	JN
ORB-10 Split the shared licensing module	=	DONE	MK
ORB-11 Bulk delete times out with more than 500 users	=	BLOCKED	LF
ORB-12 Show remaining seats in admin banner	=	TO DO	SI

The backlog with the running sprint above it.

The backlog lists what is not yet in a sprint. Drag an issue into the sprint above it, or several at once. A new sprint runs one working week by default; the dates can be changed when it is created.



The board: one column per status, moved by dragging.

Completing a sprint

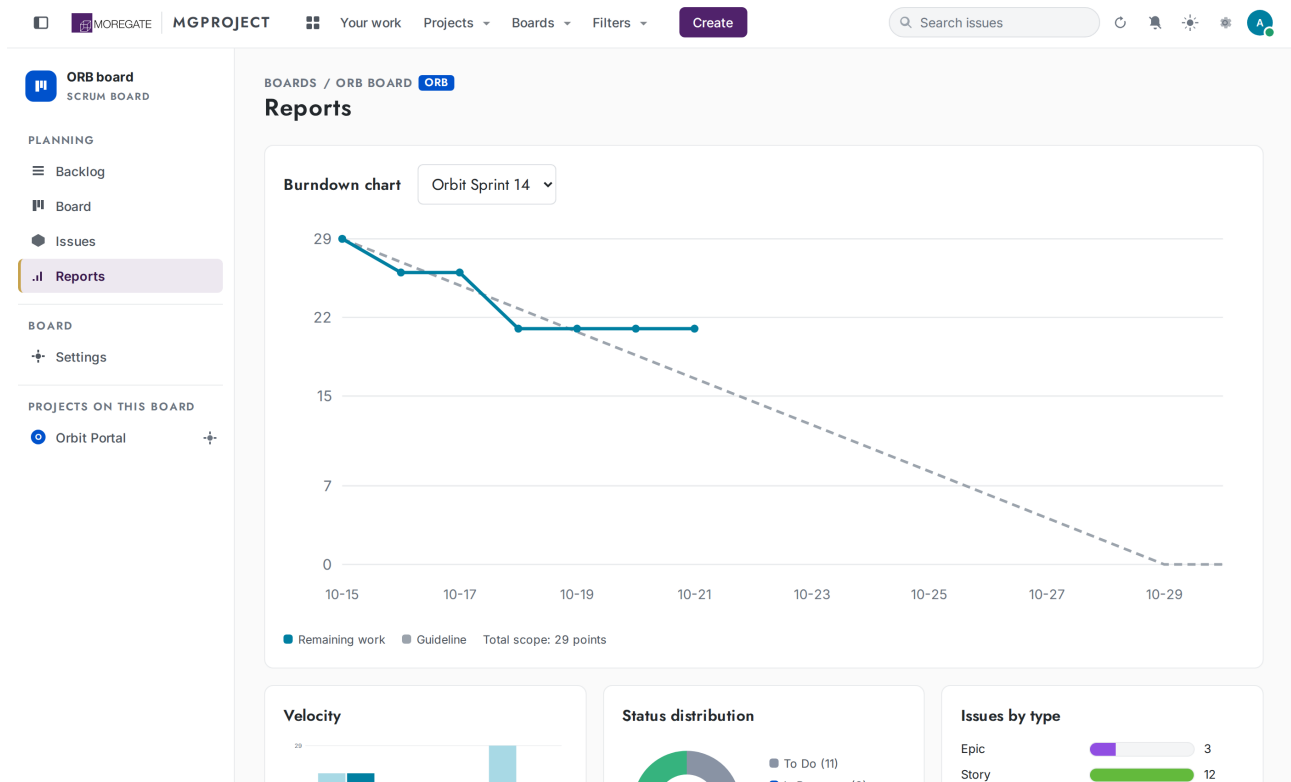
Completing one asks what should happen to whatever is unfinished: into the next sprint, back to the backlog, or split - the work already done stays on the old issue and the remainder moves on as a new one, keeping its service desk ticket.

Filtering by person

A click on the avatars in a sprint's header shows only those people's issues; a second click takes the filter back. Several people can be chosen at once.

Disturbances

Whatever arrives unplanned is taken into the sprint as a disturbance rather than quietly spoiling the plan. The sprint report then says how much of it came in afterwards - the number that explains why a sprint did not add up.



Board Reports: burndown, velocity, status distribution and types.

Planning Overview

Delivery overview
Everything in flight, grouped by epic.

Delivery overview | Gantt | Collapse to projects | Collapse to epics | Expand all | Hide released | Filter | Columns | Projects

Share | Create issue | Manage... | New overview

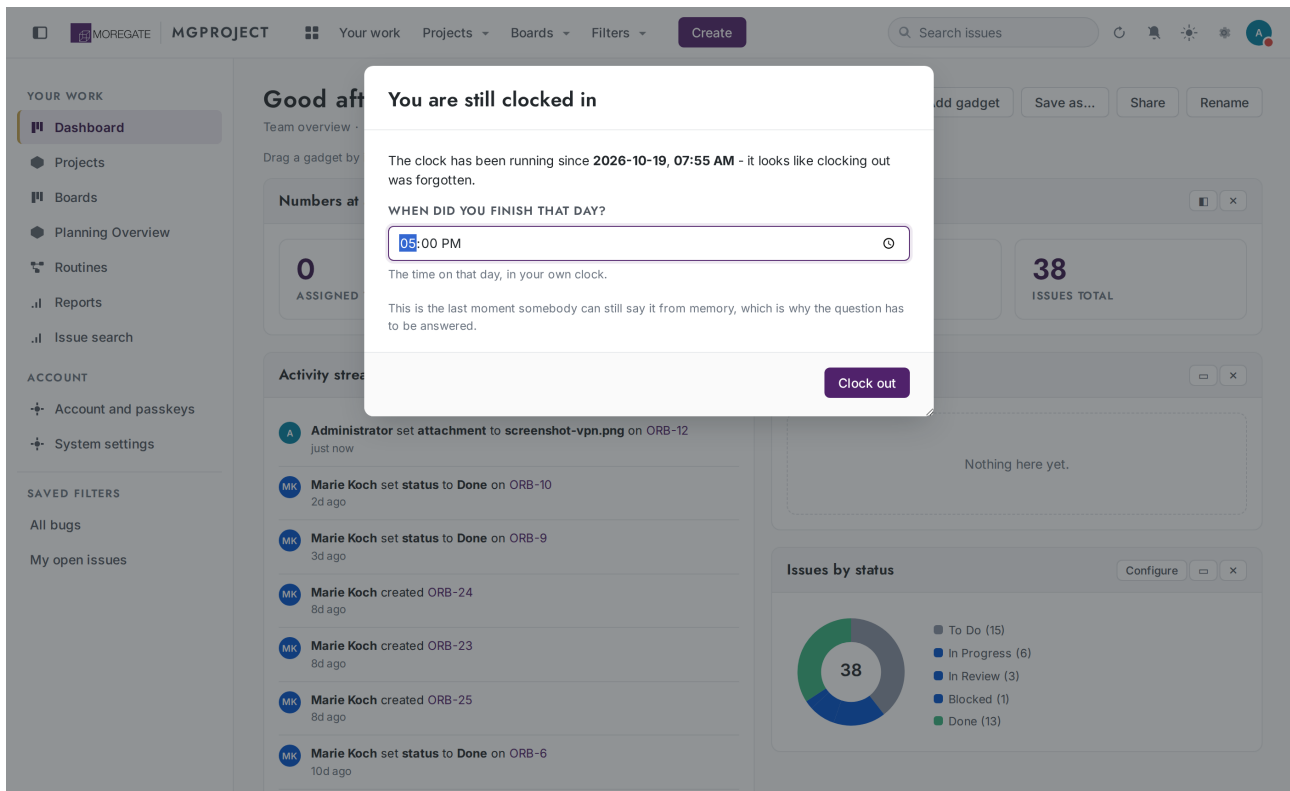
EPIC NAME	SYMBOL	KEY	SUMMARY	STATUS	PRIORITY	ASSIGNED
ORB Orbit Portal			Orbit Portal			
Admin UI refresh		ORB-3	Admin UI refresh 5	TO DO	=	JN
Collection based licensing		ORB-1	Collection based licensing 5	IN PROGRESS	▲	MK
Rename the light edition		ORB-2	Rename the light edition 7	IN PROGRESS	▲	TB
No epic			No epic 5			
LNS Lantern Sync			Lantern Sync			
Directory sync engine		LNS-1	Directory sync engine 6	IN PROGRESS	▲	MK
HLP Helpdesk			Helpdesk			
No epic			No epic 6			

Epics with their issues underneath, in columns you choose.

The Planning Overview shows what sits under what: epics, their issues, sub-tasks below those. Choose the columns under "Columns". A click on a heading sorts by it, a second reverses, a third returns to the original order - and the tree is kept, so an issue never leaves its epic.

Several overviews can be kept side by side, shared, and seen as a Gantt chart. Who may build them is decided by the structure-admin group.

Time recording



The first question at sign-in when yesterday's clock is still running.

Beside booking time on issues there is a clock: in, break, out. The "Who is at work" gadget shows everybody's state, and a small dot on each avatar says it throughout the interface.

Where an account is set for it, two questions appear at sign-in, and both have to be answered. If the clock is still running from an earlier day, the first asks when that day ended - the next morning is the last moment somebody can still say it from memory. The second asks whether the clock should start now.

Because neither can be dismissed, every booking is one a person made. Nothing is closed automatically and nothing has to be marked as estimated.

MOREGATE

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YOUR WORK

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Reports

Numbers across projects and boards.

Working time

Who was at work when, and what was a break. A day per row per person, with the times correctable where something went wrong.

Sprint report

What a sprint carried and where it went: issues by status, estimates and logged time, and how much was finished, moved on or split.

Estimate vs actual

How far the booked time ran from the estimate, per project, epic and person. Only issues carrying both a figure can say anything, so those are the basis.

Time report

Logged work by person, project and period, with CSV and PDF export.

The time report: hours by person, project and period.

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Reports

Reports
Numbers across projects and boards.

Working time
Who was at work when, and what was a break. A day per row per person, with the times correctable where something went wrong.

Sprint report
What a sprint carried and where it went: issues by status, estimates and logged time, and how much was finished, moved on or split.

Estimate vs actual
How far the booked time ran from the estimate, per project, epic and person. Only issues carrying both a figure can say anything, so those are the basis.

Time report
Logged work by person, project and period, with CSV and PDF export.

The reports, each with a PDF export.

- Sprint report - what a sprint carried and where it went: issues by status, estimates against logged time, and how much was finished, moved on or split
- Estimate vs actual - estimates against time booked, per person, per project and per epic. Only issues carrying both figures are the basis
- Working time - who was at work when, with an Excel export; a day per row per person, correctable
- Time booked - hours on issues, by month, by day and by sprint, with CSV and PDF export

Workflows and statuses

Overview

IDENTITY SETTINGS

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Create workflow

A workflow decides which statuses exist for a project and which moves between them are allowed.

WORKFLOW	STATUSES	TRANSITIONS	PROJECTS	
Default workflow DEFAULT Every status, every move allowed.	5	5	3	Edit Duplicate Delete
Software delivery To Do to In Progress to In Review to Done, with a reopen path and a blocked side track.	5	8	0	Edit Duplicate Delete

What a new project starts with

Which workflow each issue type gets when a project is created. Saves at once; existing projects are not touched.

ISSUE TYPE	WORKFLOW FOR NEW PROJECTS
Epic	Default workflow (the default)
Story	Default workflow (the default)
Task	Default workflow (the default)
Bug	Default workflow (the default)
Sub-task	Default workflow (the default)

Which workflow each project uses

This decides which statuses a project knows and how its issues may move. Saves at once; the same setting also sits in the project settings.

System settings Workflows: which statuses exist and which moves are allowed.

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SYSTEM SETTINGS / WORKFLOWS

Default workflow

Rename Add status Tidy layout Save workflow DEFAULT WORKFLOW

Every status, every move allowed. · used by HLP, LNS, ORB

To Do

In Progress

Done

In Review

Blocked

Drag a status to move it. Pull the handle on its right edge onto another status to add a transition. Click an arrow to edit its rules.

Properties

Select a status or a transition in the diagram to edit it.

THIS WORKFLOW

5 statuses · 5 transitions · start: To Do

The editor: statuses, transitions, and who may take them.

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A workflow decides which statuses a project knows and which transitions are allowed. For each transition you can say who may take it and what should happen along the way. The overview also says what a new project starts with - one workflow per issue type - and which workflow each existing project uses.

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SYSTEM SETTINGS

Add status

Statuses

Categories drive the board colours and every `statusCategory` query.

STATUS	CATEGORY	ISSUES	USED BY WORKFLOWS			
TO DO	To do	15	Default workflow	Software delivery	Edit	Delete
IN PROGRESS	In progress	6	Default workflow	Software delivery	Edit	Delete
IN REVIEW	In progress	3	Default workflow	Software delivery	Edit	Delete
BLOCKED	In progress	1	Default workflow	Software delivery	Edit	Delete
DONE	Done	13	Default workflow	Software delivery	Edit	Delete

System settings Statuses: name, colour and category.

A status belongs to one of three categories - to do, in progress, done. The board, the reports and `'statusCategory'` in MQL hang off that, which makes the category more important than the name.

Issue types, fields and screens

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Dashboard

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Account and passkeys

System settings

SAVED FILTERS

All bugs

My open issues

SYSTEM SETTINGS

Issue types

Tick which types a project offers. Only those can be created in it.

PROJECT	EPIC	STORY	TASK	BUG	SUB-TASK
HLP Helpdesk	☒	☒	☒ 4	☒ 2	☒
LNS Lantern Sync	☒ 1	☒ 4	☒ 1	☒ 1	☒
ORB Orbit Portal	☒ 3	☒ 12	☒ 4	☒ 3	☒

Change issues over to another type

Moves every issue of one type to another – in one project or in all of them at once. This is how a type is freed so it can be taken off a project or deleted.

WHERE

FROM TYPE

TO TYPE

Change them over

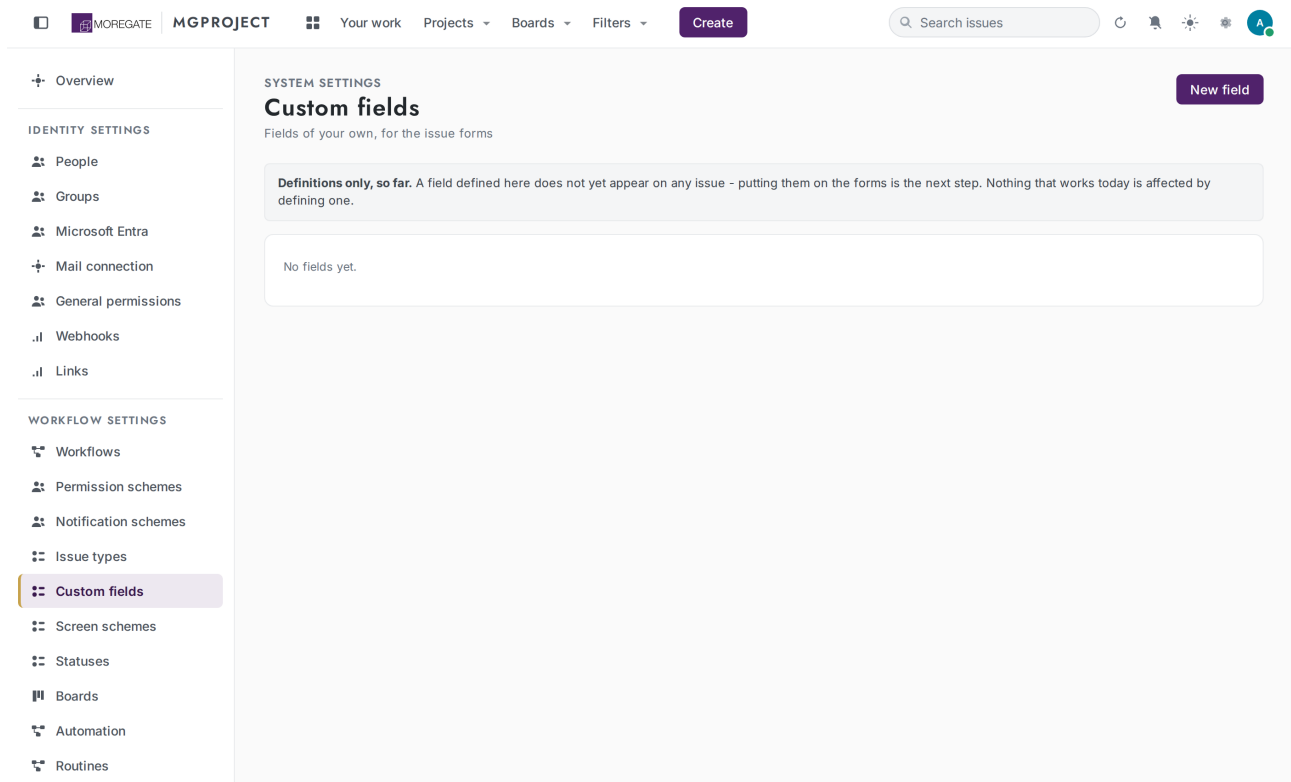
The types themselves

TYPE	ISSUES USING IT	PROJECTS OFFERING IT	
EPIC	4	HLP LNS ORB	Rename Delete
Story	16	HLP LNS ORB	Rename Delete
Task	9	HLP LNS ORB	Rename Delete
Bug	6	HLP LNS ORB	Rename Delete
Sub-task sub-task	3	all	Rename Delete

Sub-task is always available and cannot be switched off: it never stands on its own but is created from a task or a bug, and that rule already decides where it may appear. A type

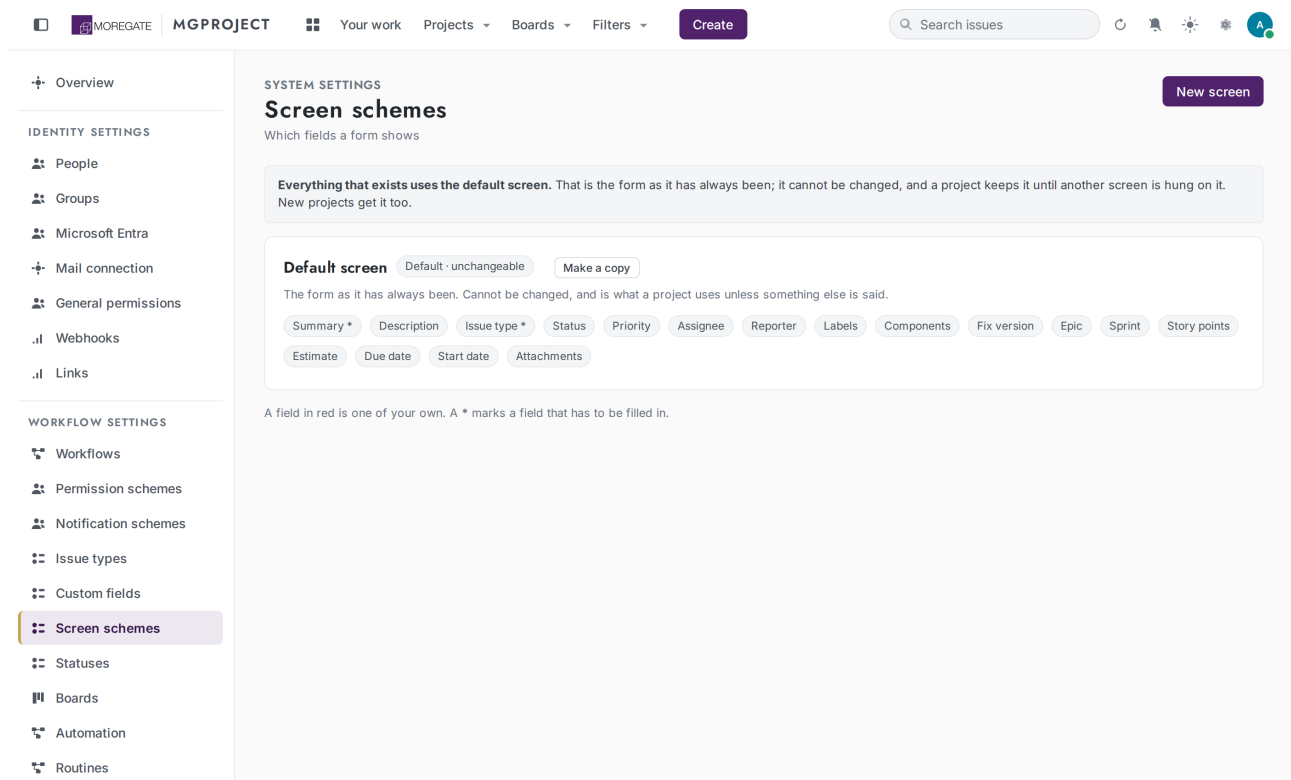
System settings Issue types: which types a project offers.

Every type carries an icon and a colour that come back everywhere. Sub-tasks are always available; the other types are ticked per project.



System settings Custom fields: fields of your own and their kind.

Custom fields come as text, number, date, select, multi-select, checkbox and person. They can be placed on screens, taken into lists as a column, and searched in MQL.



System settings Screen schemes: which fields appear when.

A screen decides which fields are there when creating, when editing and when viewing - per issue type.

Permissions and notifications

SYSTEM SETTINGS

Permission schemes

Who may do what. A project follows one scheme; several projects can share it.

3 projects follow no scheme of their own and therefore the default: HLP, LNS, ORB

Default permission scheme default

Everything is open to everyone who is signed in.

Projects: none

PERMISSION	GRANTED TO
Browse the project and its issues	anyone signed in
Create issues	anyone signed in
Edit issues	anyone signed in
Move issues through the workflow	anyone signed in
Assign issues	anyone signed in
Be assigned issues in this project	anyone signed in
Delete issues	anyone signed in
Comment on issues	anyone signed in
Log work	anyone signed in
Add and remove attachments	anyone signed in

System settings Permission schemes: who may do what in a project.

A permission is granted to a group, to a named person or to a role - the assignee, the reporter, a participant, the project lead, or anybody signed in. Where nothing is granted, everybody qualifies: an empty scheme is an open one.

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Notification schemes

New scheme

Who hears about what, per project.

Default notification scheme

Default

Attach to projects

The reporter, the assignee and the watchers of an issue. · Used by HLP, LNS, ORB

WHEN THIS HAPPENS	THESE PEOPLE HEAR ABOUT IT	
An issue is created	The reporter The assignee The watchers	Change
An issue is assigned to somebody	The reporter The assignee The watchers	Change
An issue changes status	The reporter The assignee The watchers	Change
Somebody is added as a participant	The participants	Change
Somebody comments	The reporter The assignee The watchers	Change
Somebody is mentioned in a comment	Whoever is named with @	Change
A sprint is started	The reporter The assignee The watchers	Change
A sprint is completed	The reporter The assignee The watchers	Change

A mail only goes out when the mail connection is switched on. Nobody is told about their own doing unless *Whoever did it* is ticked.

System settings Notification schemes: who hears about what.

A notification scheme answers, for every event - created, assigned, commented, resolved - who it reaches. Every project points at a scheme, and several may share one.

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Mail connection

Sending through Microsoft 365 or an SMTP server.

Send mail from MGProject

MICROSOFT 365

IN USE

SMTP

Send through this Microsoft 365 mailbox

TENANT ID

CLIENT ID

CLIENT SECRET

SENDING MAILBOX

SHOWN AS

REPLY TO

FOOTER

System settings Mail connection: what MGProject sends through.

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Mail goes out through Microsoft 365 or an ordinary mail server. A button sends a test message before it matters.

Searching with MQL

Issues

Filter with MQL, for example `project = IUM AND statusCategory != done ORDER BY priority`

Enter a MQL query

38 ISSUES FOUND

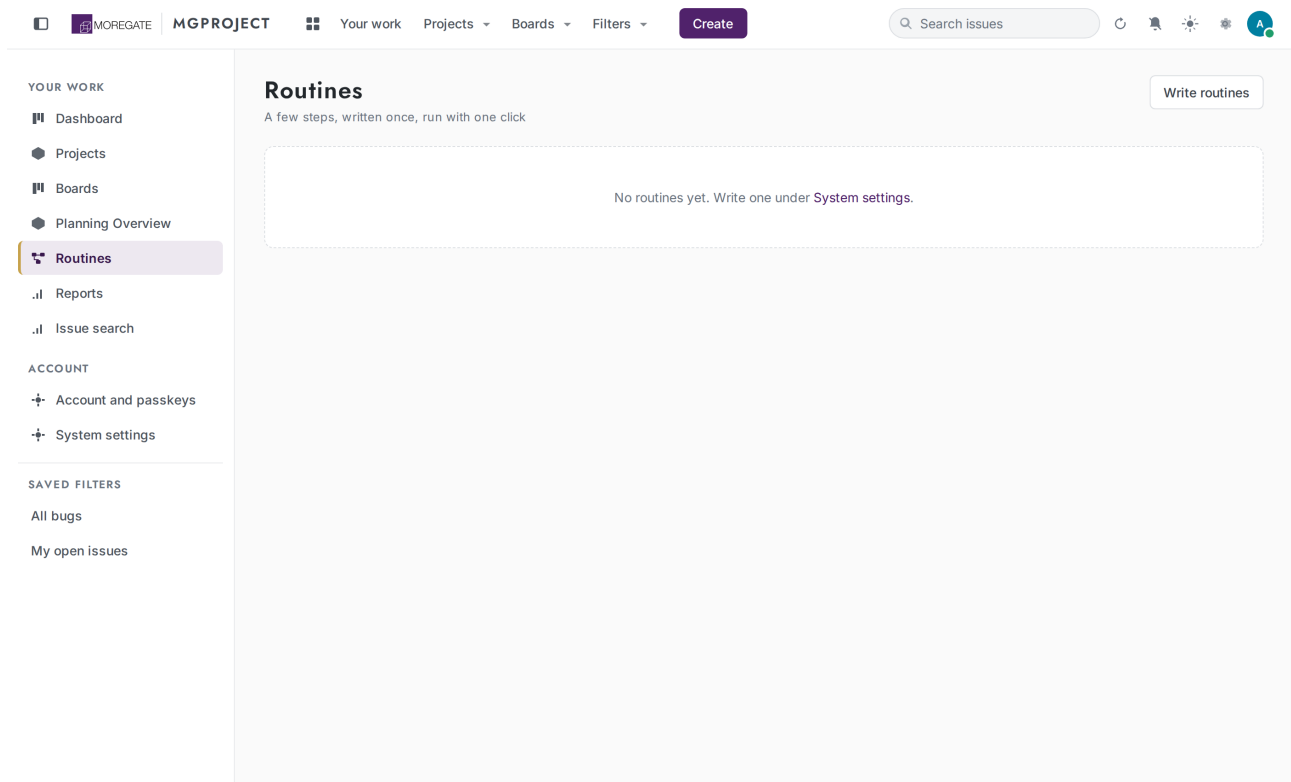
T	KEY	SUMMARY	STATUS	PRIORITY	ASSIGNEE	SPRINT	PTS	UPDATED
4	ORB-1	Collection based licensing	IN PROGRESS	High	Marie Koch	—	—	2mo ago
4	ORB-2	Rename the light edition	IN PROGRESS	Highest	Tom Bauer	—	—	1mo ago
4	ORB-3	Admin UI refresh	TO DO	Medium	Jan Novak	—	—	1mo ago
4	ORB-4	Add entitlement lookup against PPC API	DONE	High	Marie Koch	Orbit Sprint 13	5	20d ago
4	ORB-5	Persist collection ID in license record	DONE	Medium	Tom Bauer	Orbit Sprint 13	3	20d ago
4	ORB-6	License check fails for sandbox instances	DONE	Highest	Lena Frei	Orbit Sprint 13	2	20d ago
4	ORB-7	Listing text for the first tool	IN REVIEW	Highest	Tom Bauer	Orbit Sprint 14	5	20d ago
4	ORB-8	Listing text for the second tool	IN PROGRESS	High	Tom Bauer	Orbit Sprint 14	5	20d ago
4	ORB-9	Update app descriptor and permissions scopes	DONE	Medium	Jan Novak	Orbit Sprint 14	3	20d ago
4	ORB-10	Split the shared licensing module	DONE	Medium	Marie Koch	Orbit Sprint 14	5	20d ago
4	ORB-11	Bulk delete times out with more than 500 users	BLOCKED	Highest	Lena Frei	Orbit Sprint 14	8	20d ago
4	ORB-12	Show remaining seats in admin banner	TO DO	Medium	Sina Imse	Orbit Sprint 14	3	20d ago

Search: a query you can save and share.

```
project = ORB AND statusCategory != done
AND participant = currentUser()
ORDER BY priority DESC
```

A query can be saved as a filter; saved filters sit in the sidebar and can be shared. The same language sits behind the board columns and the gadgets.

Routines and automation



Routines: recurring issues that appear when they are due.

A routine creates issues on a schedule - the monthly backup check, the quarterly review of permissions. It carries project, type, assignee and text with it. Writing and editing them belongs to the routine-admin group.

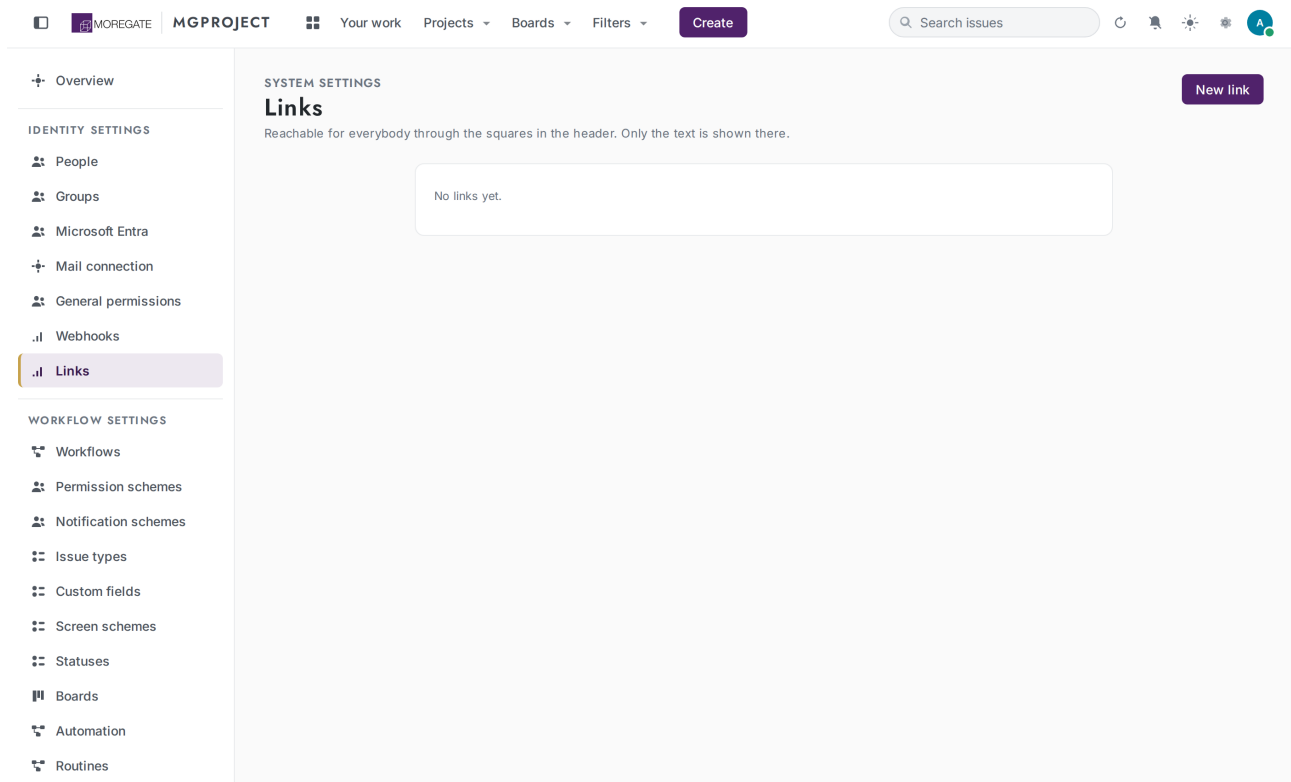
Rules take over the handgrips somebody would otherwise do every day: assign when an issue of a type is created; close when nothing more comes; tell somebody when a date draws near. What a rule does appears in the issue's history with the rule as the author.

Webhooks and links

The screenshot displays the 'Webhooks' section within the 'SYSTEM SETTINGS' of MGProject. The left sidebar contains a navigation menu with 'Overview' at the top, followed by 'IDENTITY SETTINGS' (including People, Groups, Microsoft Entra, Mail connection, and General permissions), and 'Workflow SETTINGS' (including Workflows, Permission schemes, Notification schemes, Issue types, Custom fields, Screen schemes, Statuses, Boards, Automation, and Routines). The 'Webhooks' option is highlighted under Identity Settings. The main content area is titled 'Webhooks' and includes a sub-header 'SYSTEM SETTINGS'. Below this, it states 'Post events into a Microsoft Teams channel or any endpoint that accepts JSON.' A large dashed box contains the text 'No webhook yet' and 'Create an incoming webhook in your Teams channel and paste its address here.' An 'Add webhook' button is located in the top right corner of the main content area.

System settings Webhooks: events sent to another service.

A webhook posts an event as JSON to an address of your choosing - a Teams channel, or anything that accepts JSON. You pick the events, and a button sends a test call.



System settings Links: the shelf in the top bar.

Links sit in the header for everybody - the wiki, the monitoring, whatever the house needs. Entered once, rather than in every browser.

Service Management

SYSTEM SETTINGS

Jira Service Management

Two helpdesks can be read from: a service desk in the Atlassian cloud, and a MGService installation of your own.

ATLASSIAN **MGSERVICE**

Which token

An **API token** of one account is enough - an organisation token would be the wrong instrument. Those administer the organisation itself and reach much further than reading tickets. With an API token the access is bounded by what that account may see.

1. Sign in as the account that should do the reading and open id.atlassian.com/manage-profile/security/api-tokens
2. **Create API token**, give it a name, copy the value straight away
3. Give that account **Browse Projects** on the service desks it should read, and nothing beyond that

Connection

SITE ADDRESS **ACCOUNT**

API TOKEN

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

Service desks to read from

System settings Service Management: the connection to the service desk.

MGProject can be connected to a service desk - to MGService or to Jira Service Management in the cloud. A ticket becomes an issue, and the issue carries where it came from: split at the end of a sprint, the remainder takes the ticket with it. Whoever works in the service desk belongs in the helpdesk-agent group.

Bitbucket Cloud

SYSTEM SETTINGS

Bitbucket Cloud

Read access to your workspaces and repositories

NOT SET UP

USER NAME

name@moregate.de

With an API token this is your **e-mail address**; with an older app password it is the Bitbucket user name. Leave it empty to have the token sent on its own - all three are tried, so a mix-up is no longer fatal.

API TOKEN

paste it here

Made at id.atlassian.com under Security → API tokens, with the scopes read:user:bitbucket, read:project:bitbucket, read:repository:bitbucket, read:workspace:bitbucket. An app password still works (Account: Read, Projects: Read, Repositories: Read), but Atlassian has declared those superseded - for a new setup, take a token.

WORKSPACE

e.g. moregate

The default workspace. Others stay reachable; this one is simply assumed.

☐ Connection switched on

Save **Save and test**

Nothing is ever written to Bitbucket - the connection reads, and the app password may be limited to reading for that reason.

System settings Bitbucket Cloud: the connection, set up once.

MGProject reads from Bitbucket Cloud: workspaces, projects and repositories. Nothing is ever written back, so the token may be limited to reading.

```
read:user:bitbucket
read:workspace:bitbucket
read:project:bitbucket
read:repository:bitbucket
```

With an API token the user name is your e-mail address; with an older app password it is the Bitbucket user name. Mixing the two up is the usual reason a connection is refused.

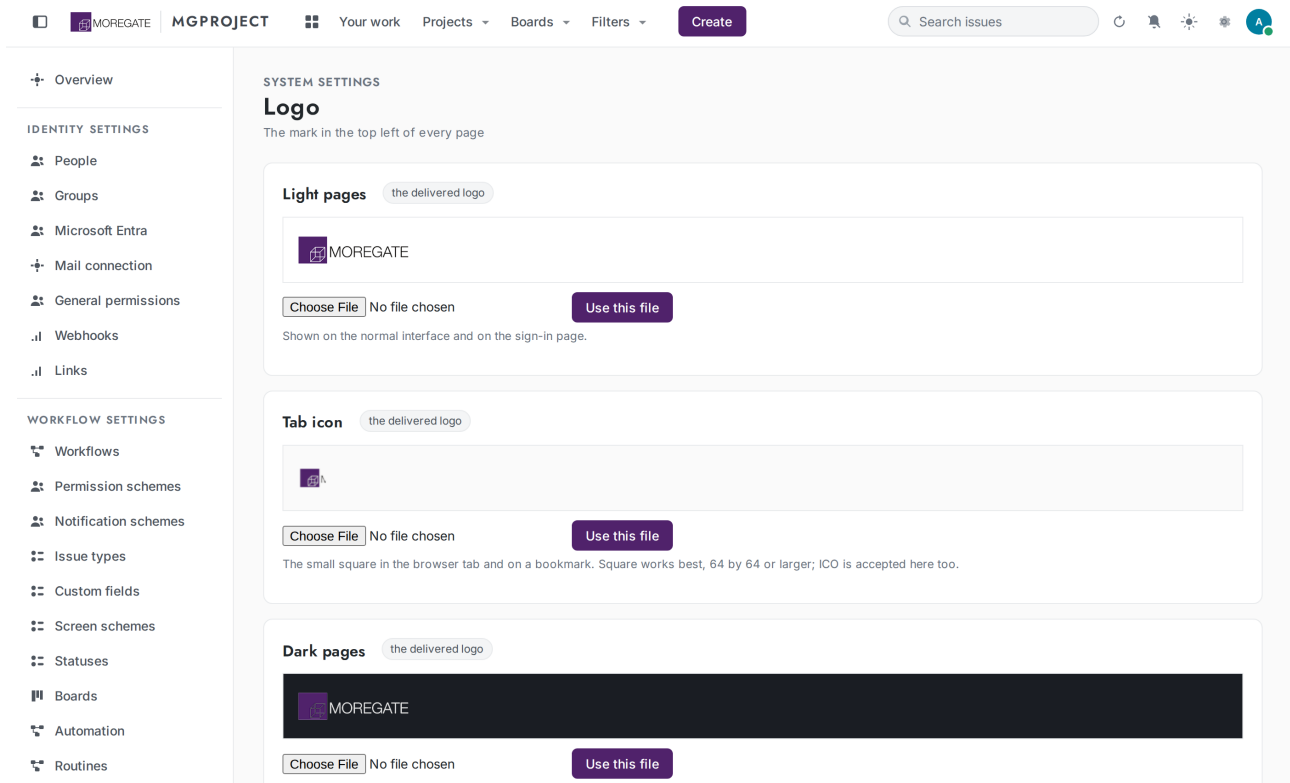
An epic then carries the Bitbucket project and the repository its work lives in. Issues in the epic inherit the project and choose only the repository, so a version can be traced to the code it came from.

Importing from Jira

Projects can be taken over from a Jira Data Center instance with their issues, comments, attachments, sprints and worklogs. It reads through the API; nothing is ever written back.

You need the address of the instance, credentials and the projects that should come along. The run reports what was taken over and what was not - and whatever was left out is listed with its reason. A run that stopped half way can be repeated without creating anything twice.

Your own look, and announcements



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. PNG, SVG, WEBP and JPG up to 3 MB. The files live in the data directory and survive every update - a deployment writes the delivered logos only on the very first installation. The accent colour is taken from the logo and can be set by hand; on dark pages a lightened version is used.

Files are read in the order .svg, .png, .webp, .jpg. A leftover logo.svg therefore beats a freshly uploaded logo.png. Uploading through the settings removes the other spellings; a file copied in by hand does not.

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Announcements

A notice across the top, for everybody signed in

NOT SHOWING

MESSAGE

e.g. Maintenance this evening from 18:00 - MGProject stays readable.

Everybody signed in sees this within half a minute, without reloading.

Switch on

Switch off

Save the text only

Switching off leaves the text where it is, so the same notice can be put up again without typing it out afresh.

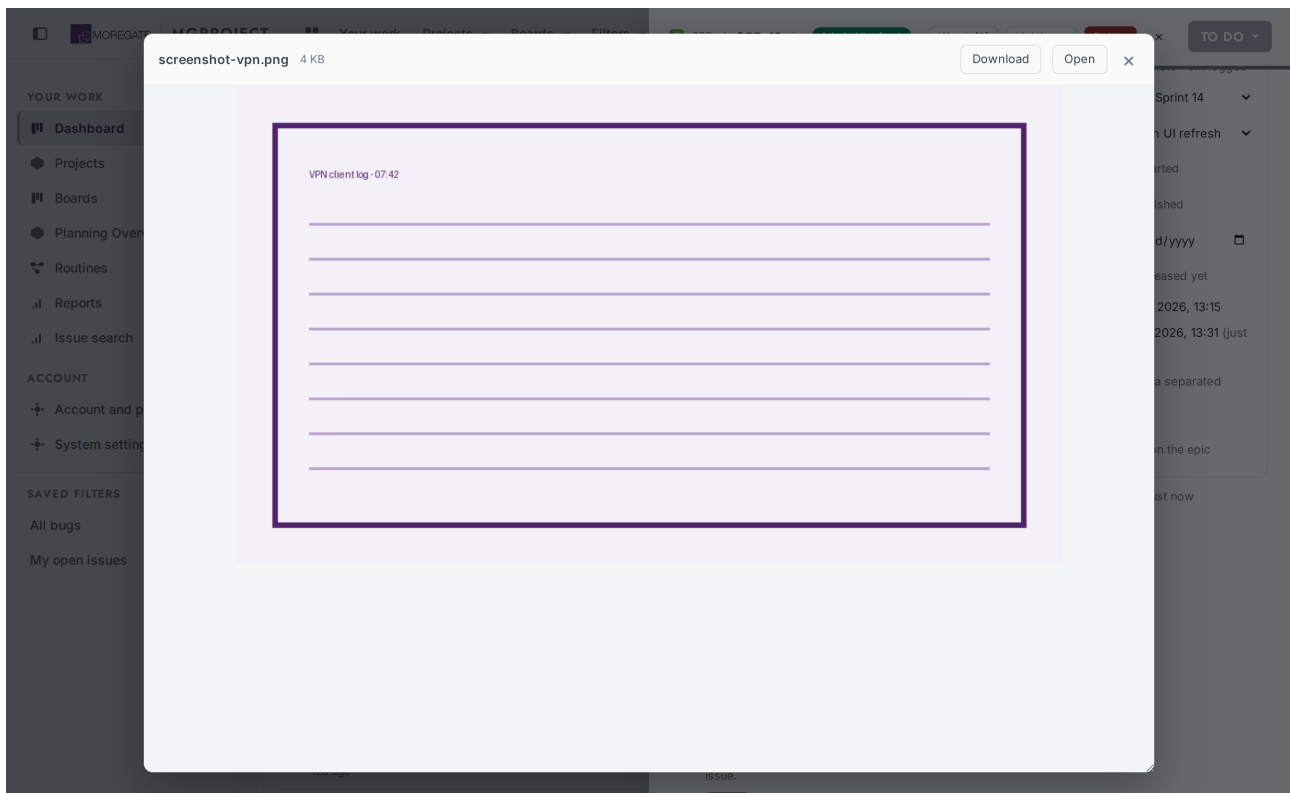
System settings Announcements: a band across every page.

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.

The screenshot displays the MGProject web application. On the left is a sidebar with navigation options like 'Dashboard', 'Projects', 'Boards', 'Planning Overview', 'Routines', 'Reports', 'Issue search', 'Account', and 'Saved Filters'. The main area is titled 'Good afternoon, Administrator' and shows a 'Team overview' for 'SHARED READ'. It features a 'Numbers at a glance' section with '0 ASSIGNED TO YOU' and '10 IN PROGRESS', and an 'Activity stream' listing recent actions by Marie Koch. On the right, a detailed view of issue 'ORB-12' is shown. This view includes a header with 'ORB / ORB-12' and buttons for 'Admin UI refresh', 'Watch (0)', 'Link issue', 'Delete', and 'TO DO'. Below the header is a table of fields: Sprint (Orbit Sprint 14), Epic (Admin UI refresh), Start date (not started), End date (not finished), Due date (mm/dd/yyyy), Release date (not released yet), Created (30 Sep 2026, 13:15), Updated (20 Oct 2026, 13:31), Labels (comma separated), Fix version, and Bitbucket project (none on the epic). Below the fields are sections for 'ATTACHMENTS (1)' showing 'screenshot-vpn.png' (4.4 KB), 'COMMENTS (1)' with a text input, 'HISTORY', and 'WORK LOG'. A note at the bottom of the comment section says: 'Paste or drop a picture into the box - it is shown in the comment and attached to the issue.'

An attachment on the issue - one click opens it in the viewer.



The viewer: show, download, or open in a tab of its own.

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

SYSTEM SETTINGS

Mail queue

Sending is switched off under Mail connection - nothing here goes out until it is on.

TO	SUBJECT	STATE	TRIES	QUEUED	ERROR
Nothing has been queued yet.					

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.

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

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

Keeping it running

Two services

MGProject runs as two systemd services: mgproject.service answers requests through gunicorn, mgproject-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 MGPROJECT_LOG_FORMAT=json MGProject 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 mgproject /opt/mgproject/app/mgproject --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.

The database

SYSTEM SETTINGS

Database

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

6 USERS

3 PROJECTS

38 ISSUES

12 COMMENTS

61 HISTORY

PostgreSQL connection

HOST: 127.0.0.1 PORT: 5432

DATABASE: hb_mgproject

USER: mg PASSWORD: unchanged

TLS: prefer

Test connection

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

Look into the tables

Open tables

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

Backups

Two things need saving: the database and the data directory. The directory holds attachments, avatars, logos and the licence - everything that is not in the database. A deployment backs up the database by itself, but only the last ten.

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

Everyday commands

What for	Command
Status and health	<code>sudo ./deploy.sh --status</code>
Follow the log	<code>journalctl -u mgproject -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/mgproject/app/mgproject --manage db-check</code>
Set a password	<code>mgproject --manage set-password <user></code>
Put the delivered logos back	<code>sudo ./deploy.sh --refresh-branding</code>

What for	Command
Remove, keeping data	<code>sudo ./deploy.sh --uninstall</code>
Remove everything	<code>sudo ./deploy.sh --uninstall --purge</code>

--purge deletes the data directory as well: database, licence, attachments and logos. There is no way back but a backup.

When something is wrong

What you see	Where to look
502 from the proxy	The service is not running - systemctl status
413 on upload	client_max_body_size in nginx
Red band across the top	The licence, or too many accounts
Everybody signed out	MGPROJECT_SECRET was changed
No mail	The mail connection, then the log
Update refused	No valid licence

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Instance

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.

Save

Version	2.0
Signed in as	Administrator Administrator
Database	PostgreSQL - 127.0.0.1:5432/? as mg - 38 issues
Data directory	/tmp/h2/data-mgproject
Attachments	/tmp/h2/data-mgproject/attachments
Accounts	6
Projects	3

What changed

Newest first. The version this instance runs is marked.

2.0

- PostgreSQL only. SQLite is gone; deploy.sh asks for the connection when it sets an installation up, and an installation still on SQLite is moved across once during the update.

System settings Instance: version and changelog.

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Every release carries its own changelog. Quoting the version from this page saves a round of questions.