

MOREGATE

MGProject

The complete guide

Installation, administration and daily use



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What MGProject is

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

This guide takes you from an empty server to daily work. Read the first chapter if you are installing it; skip to “Working with issues” if somebody has already done that for you.

The screenshot shows the MGProject dashboard. At the top, there's a navigation bar with 'MOREGATE' and 'MGPROJECT' logos, followed by 'Your work' and tabs for 'Projects', 'Boards', and 'Filters'. A 'Create' button is on the right. A search bar labeled 'Search issues' is also present. On the left, a sidebar lists 'YOUR WORK' (Dashboard, Projects, Boards, Planning Overview, Routines, Reports, Issue search) and 'ACCOUNT' (Account and passkeys, System settings). Below this are 'SAVED FILTERS' (All bugs, My open issues).

The main content area is titled 'Good morning, Administrator' and includes a 'Team overview' dropdown, 'Add gadget', 'Save as...', 'Share', and 'Rename' buttons. A message says 'Drag a gadget by its header to rearrange the dashboard. Changes save on drop.'

The dashboard features several gadgets:

- Numbers at a glance:** A row of four boxes showing '0 ASSIGNED TO YOU', '10 IN PROGRESS', '13 RESOLVED', and '38 ISSUES TOTAL'.
- Activity stream:** A list of recent actions by 'Pat Pitschmann', such as 'set status to Done on REG-3' and 'created IUM-23'.
- Assigned to me:** A box indicating 'Nothing here yet.'
- Issues by status:** A donut chart showing the distribution of 38 issues: To Do (15), In Progress (6), In Review (3), Blocked (1), and Done (13).

The dashboard after signing in: gadgets you choose yourself.

Installation

What you need

- A Linux server - Debian or Ubuntu are the tested ones
- Python 3.11 or newer
- PostgreSQL for production; SQLite works for a trial
- Around 500 MB of disk, plus room for attachments
- A reverse proxy such as nginx if it is to be reachable from outside

Installing

- 1 Unpack the release archive on the server.
- 2 Run the deployment script as root.
- 3 Answer the questions it asks - they are few.

```
unzip mgproject-6.11.6-BETA.zip
cd mgproject
sudo ./deploy.sh
```

The script creates the service account, installs the application under /opt/mgproject, puts the data directory at /var/lib/mgproject and starts a systemd unit called mgproject.service. It also checks everything as the service user before touching the running service, so a permission problem surfaces before anything is switched over.

An update is the same command with a newer package. Your data directory, your logos and your settings are left alone; only the application directory is replaced.

Settings

The service reads /etc/mgproject.env. The two that matter:

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

MGPROJECT_SECRET signs the sessions - change it and everybody has to sign in again.

MGPROJECT_URL is what notification e-mails link to; without it the mails name the issue but cannot point at it.

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 itself permits.

The licence

Without a licence MGProject stays readable but refuses to save. Paste the key under System settings → License; a red band across the top says so until one is in place.

First steps as an administrator

MOREGATE

MGPROJECT

Sign in to continue

USERNAME

PASSWORD

Sign in

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

The sign-in page. Single sign-on via Entra ID can be set up alongside the password.

People and groups

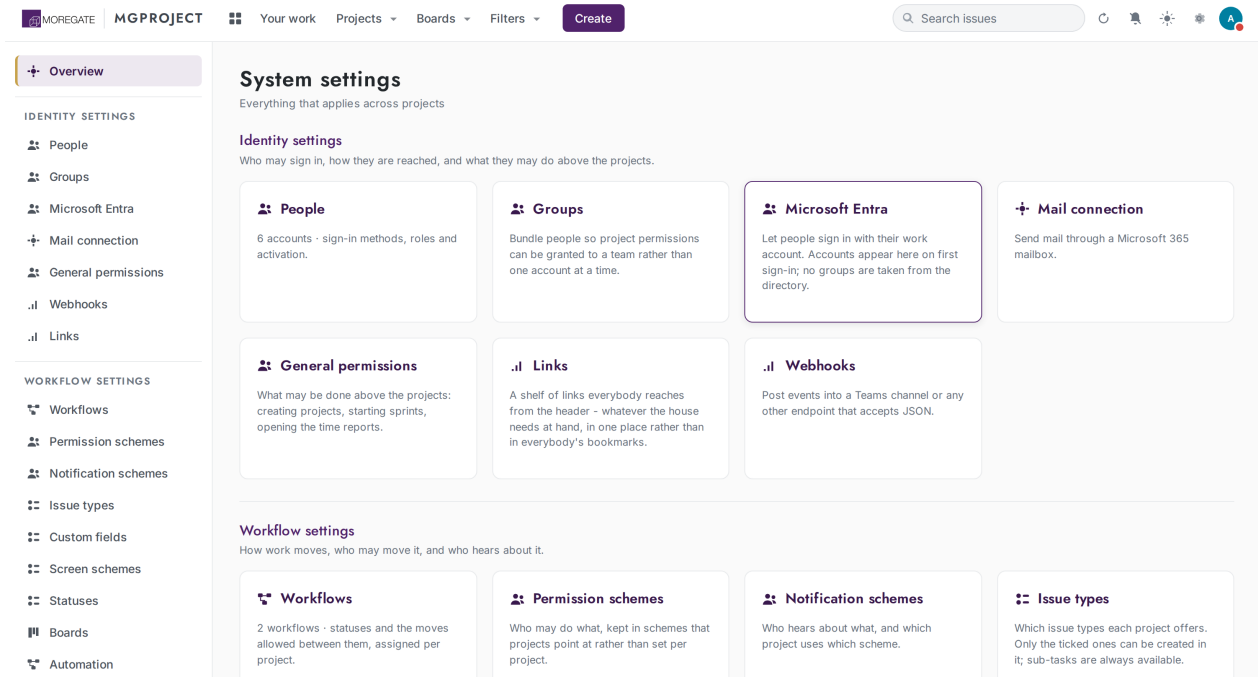
Under System settings → People you create accounts, reset passwords and decide who administers. Groups sit beside them: a group is how permissions are granted to several people at once rather than one by one.

Four groups carry meaning by name:

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

Projects

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.

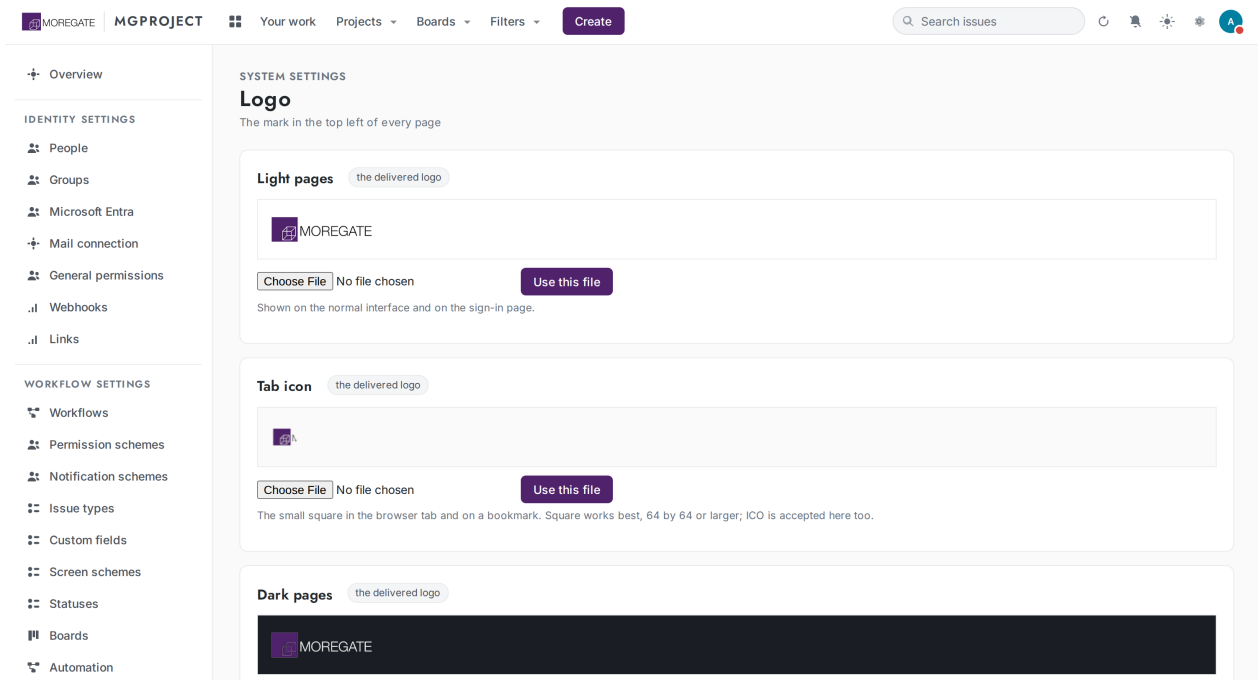


System settings: everything an administrator sets, in one place.

Permissions

Permission schemes say 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, not a closed one.

Your own look



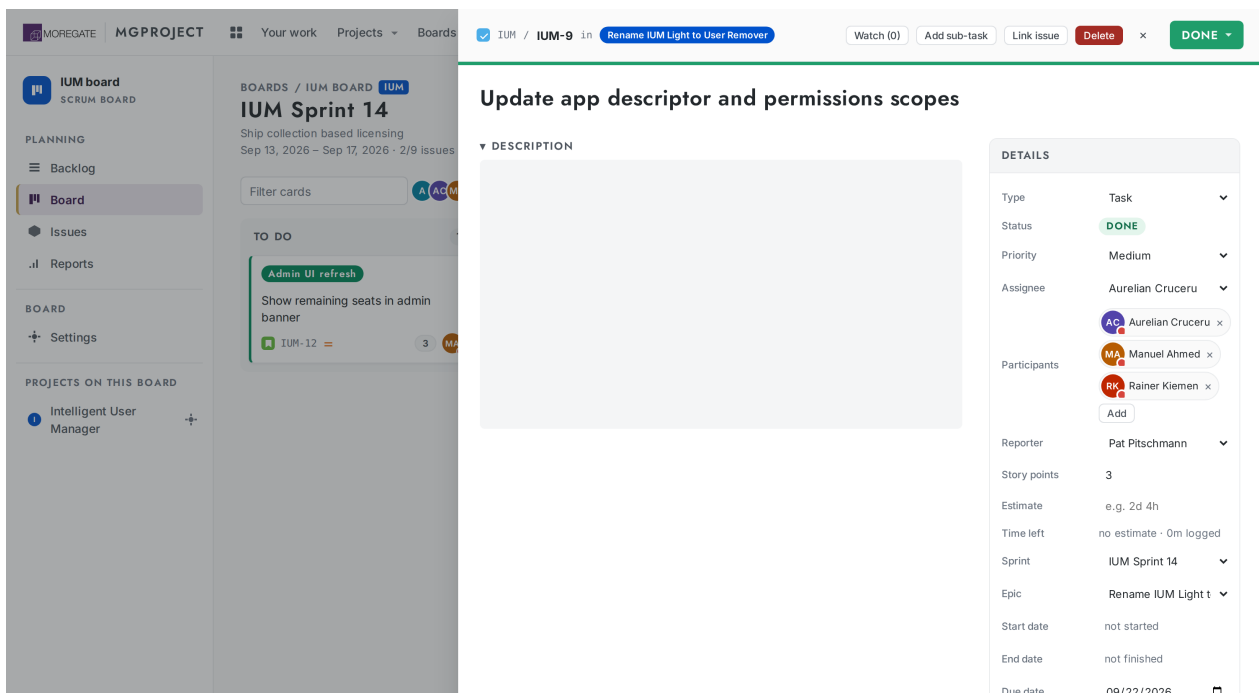
System settings Logo: the mark, the tab icon and the accent colour.

Replace the logo for light and for dark pages, and the small 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.

Files are read in the order .svg, .png, .webp, .jpg. A leftover logo.svg therefore beats a freshly uploaded logo.png - the upload removes the other spellings for you, but a file put there by hand does not.

The accent colour is taken from the logo automatically and can be overridden by hand. On dark pages a lightened version is used: a mark's own tone usually sits too close to the background there.

Working with issues



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. The description and the summary are edited in place - click, type, click away. Web addresses in the description and in comments become links once saved.

Assignee and participants

The assignee leads the issue and is the one who moves its status. Participants help: several people, 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”, but the status stays the assignee's to move.

Search for them in JQL with participant = currentUser(), and show them as a column in the sprint and in the Planning Overview.

Time

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

Boards, backlog and sprints

MGPROJECT | Your work | Projects | Boards | Filters | Create

Search issues

Show completed sprints (2) | Create sprint | Create issue

Backlog

IUM Sprint 14 ACTIVE 6 issues · 29 points · Sep 13, 2026 – Sep 17, 2026 · Ship collection based licensing

Add disturbance | Complete sprint | Edit | Delete

SUMMARY	ESTIMATE	STATUS	ASS. PART.
IUM-7 Marketplace listing for Jira User Remover	3	IN REVIEW	VS
IUM-25 Legal review	=	TO DO	VS
IUM-23 Prepare screenshots	=	TO DO	VS
IUM-24 Write listing copy	=	TO DO	VS
IUM-8 Marketplace listing for Confluence User Remover	=	IN PROGRESS	VS
IUM-9 Update app descriptor and permissions scopes	=	DONE	AC, AC, MA, RK
IUM-10 Split the shared licensing module	=	DONE	PP
IUM-11 Bulk delete times out with more than 500 users	=	BLOCKED	RK
IUM-12 Show remaining seats in admin banner	=	TO DO	MA

Story | What needs to be done?

IUM Sprint 15 2 issues · 10 points | AC, MA | 2 0 0 | Add disturbance | Start sprint | Edit | Delete

The backlog with the running sprint above it.

The backlog is the list of 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 - change the dates when you create it.

MGPROJECT | Your work | Projects | Boards | Filters | Create

Search issues

IUM Sprint 14 (active) | Complete sprint | Reports

IUM Sprint 14
Ship collection based licensing
Sep 13, 2026 – Sep 17, 2026 · 2/9 issues done · 8/29 points

Filter cards | All epics

TO DO	IN PROGRESS	IN REVIEW	DONE
Admin UI refresh Show remaining seats in admin banner IUM-12	Rename IUM Light to User Remover Marketplace listing for Confluence User Remover IUM-8 Bulk delete times out with more than 500 users IUM-11	Rename IUM Light to User Remover Marketplace listing for Jira User Remover IUM-7	Rename IUM Light to User Remover Update app descriptor and permissions scopes IUM-9 Split the shared licensing module IUM-10

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

Completing a sprint 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.

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

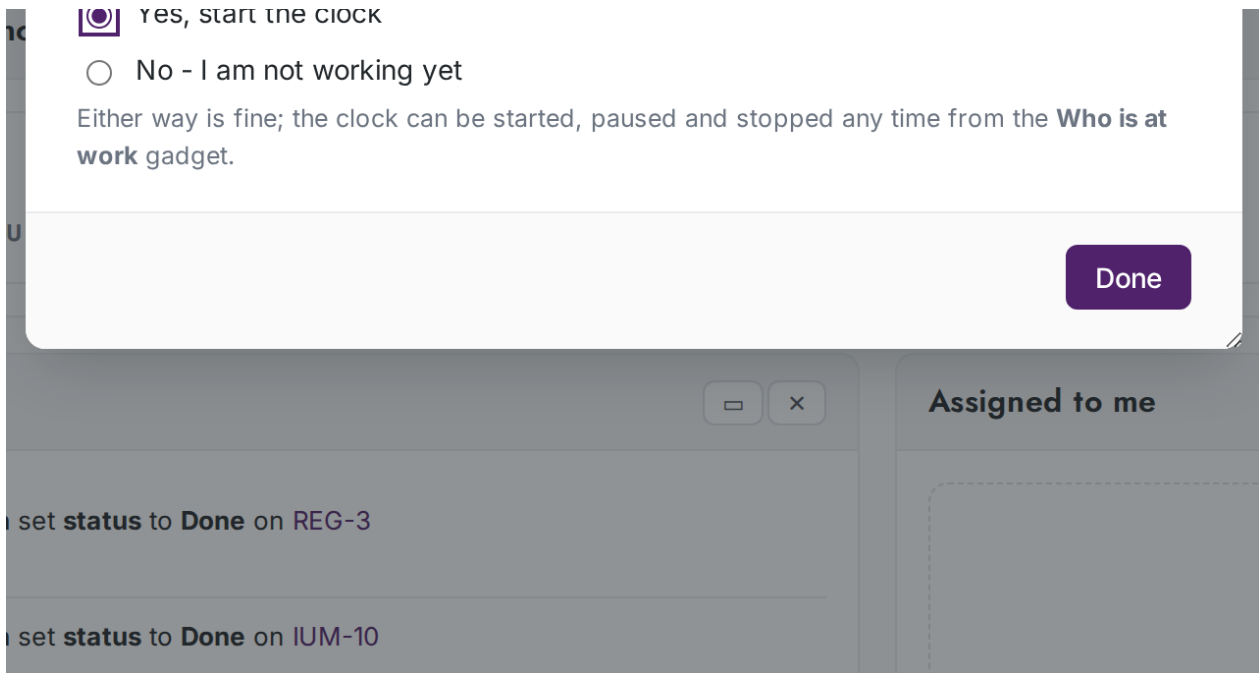
Create issue | Manage... | New overview

EPIC NAME	SYMBOL	KEY	SUMMARY	STATUS	PRIORITY	ASSIGNEE
IUM Intelligent User Manager	IUM		Intelligent User Manager			
Admin UI refresh	IUM-3		Admin UI refresh 5	TO DO		AC
Collection based licensing	IUM-1		Collection based licensing 5	IN PROGRESS		PP
Rename IUM Light to User Remover	IUM-2		Rename IUM Light to User Remover 7	IN PROGRESS		VS
No epic			No epic 5			
REG ARC-M Regupedia Interface	REG		ARC-M Regupedia Interface			
Regupedia sync engine	REG-1		Regupedia sync engine 6	IN PROGRESS		PP
SUP Customer Support Desk	SUP		Customer Support Desk			
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 click reverses, a third returns to the original order. Sorting keeps the tree - an issue never leaves its epic.

Time recording



Asked at sign-in, when the account is set to be asked.

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

Two questions appear at sign-in when the account is set for it, 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 actually made. Nothing is closed automatically, and nothing has to be marked as estimated.

MOREGATE

MGPROJECT

Your work

Projects

Boards

Filters

Create

Search issues

A

Overview

IDENTITY SETTINGS

People

Groups

Microsoft Entra

Mail connection

General permissions

Webhooks

Links

WORKFLOW SETTINGS

Workflows

Permission schemes

Notification schemes

Issue types

Custom fields

Screen schemes

Statuses

Boards

Automation

Working time

Who was at work when. Times can be put right here.

PERSON

FROM

TO

Administrator

09/01/2026

09/30/2026

Show

This month

Export to Excel

Administrator

0m over 30 days

Add entry

DAY	WORKED	BREAKS	TOTAL	ENTRIES
2026-09-01	—	—	—	nothing
2026-09-02	—	—	—	nothing
2026-09-03	—	—	—	nothing
2026-09-04	—	—	—	nothing
2026-09-05	—	—	—	nothing
2026-09-06	—	—	—	nothing
2026-09-07	—	—	—	nothing
2026-09-08	—	—	—	nothing
2026-09-09	—	—	—	nothing
2026-09-10	—	—	—	nothing

The working time report: one person over a chosen period, with an Excel export.

Reports

MGPROJECT Your work Projects Boards Filters Create

Search issues

YOUR WORK

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

ACCOUNT

- Account and passkeys
- System settings

SAVED FILTERS

- All bugs
- My open issues

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
- Estimate vs actual - estimates held against time booked, per person, per project and per epic
- Working time - who was at work when
- Time booked - the hours on issues, by month and by sprint

Bitbucket Cloud

MGPROJECT Your work Projects Boards Filters Create Search issues

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.

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.

Make an API token at id.atlassian.com under Security → API tokens, with these scopes:

```
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 inside the epic inherit the project and choose only the repository, so a version can always be traced to the code it came from.

Keeping it running

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.

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

When something is wrong

```
sudo systemctl status mgproject
sudo journalctl -u mgproject -n 100 --no-pager
```

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
504 on a service desk refresh	proxy_read_timeout, and the attachments being fetched
Red band across the top	The licence - System settings → License
Everybody signed out	MGPROJECT_SECRET was changed

Getting help

Every release carries its own changelog, readable under System settings → Instance. Quoting the version there saves a round of questions when you write to us.