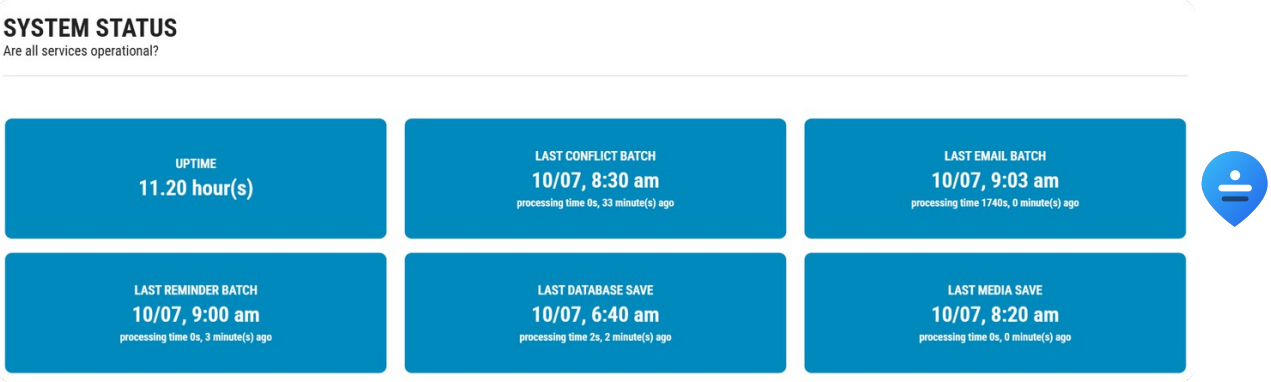


FLEXYNOOK

INSTALLATION PREREQUISITES

On-Premise / Private deployment

Technical requirements for self-hosted installations · Version 1.0.68 · October 2026

1. OVERVIEW

FlexyNook On-Premise / Private is the same application as the Shared Cloud edition: every feature is included and nothing is removed. You can therefore evaluate FlexyNook in the cloud first, then move to your own infrastructure with no functional difference.

It uses a classic web stack with no containers: a PHP application, a MySQL database, an Nginx or Apache web server and four scheduled batch jobs started by cron. The On-Premise / Private offer is available from 150 users.

2. REQUIREMENTS AT A GLANCE

Component	Requirement
Web server	Nginx or Apache
PHP	Version 7.4 or higher
PHP GMP extension	Mandatory
Database	MySQL / MariaDB
Scheduler	cron, with 4 batch jobs (see section 4)
Deployment	Classic setup, no Docker or container required
HTTPS	Valid TLS certificate (required for the mobile PWA and push notifications)
Email	SMTP server for email notifications
LDAP / SSO	Optional, only if you want directory-based sign-in

3. SERVER SOFTWARE

WebServer & PHP

- **Web server:**
  - **Nginx** or **Apache**, configured with a virtual host served over HTTPS.
  - *Recommendation:* Configure the web server for **Clean URLs** (URLs without `.php` extensions) using URL rewrite rules (`try_files` for Nginx or `mod_rewrite` for Apache).
- **PHP:**
  - **7.4 minimum**.
  - The **GMP** extension must be installed and enabled. You can check it with `php -m` and look for `gmp` in the list.

Database

- A dedicated MySQL database and a user with full rights on it.

Item	Value
Http server	*Nginx : 1.22.1 Apache : 2,4,51*
Database	*Mysql : 8.0.27 MariaDb : 10.11.19*
PHP	*7.4.29*
Other required PHP extensions	*GMP*
Supported operating systems	*Every system that could run nginx/apache/php/mysql/mariadb*

4. SCHEDULED JOBS (CRONTAB)

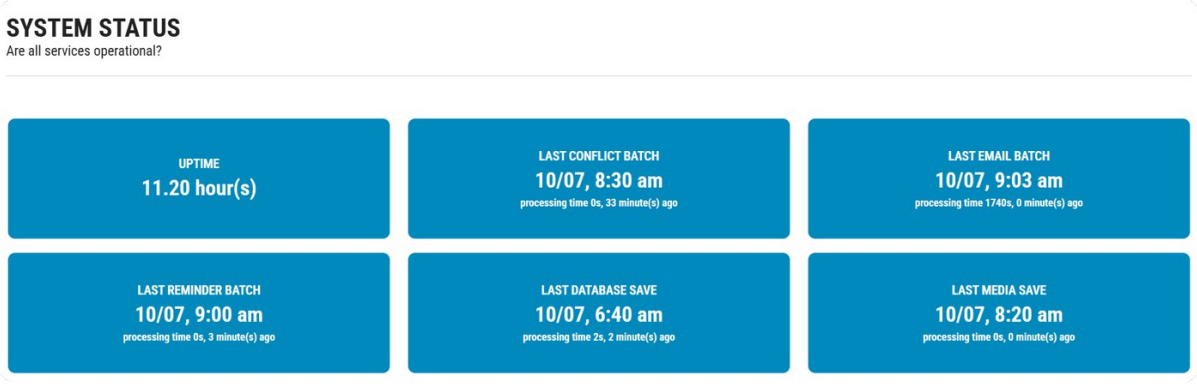
FlexyNook relies on four batch jobs started from the crontab of the application user. Their status is visible in real time on the System Status page (section 5).

Batch job	Purpose	Schedule
batch_conflict.php	Detects and handles booking conflicts	*30 minutes*
batch_mailing.php	Sends email notifications	*30 minutes –duration=1740*
batch_reminder.php	Sends booking reminders	*30 minutes*
batch_import.php	Synchronise LDAP dictionnary	*Once a day*

Email batch behaviour. It is a command-line worker designed to run for about 29 minutes, stop for one minute, then start again. The cron entry must restart it at the end of each cycle. The long processing time shown on the System Status page for this batch (about 1,740 seconds) is therefore normal.

5. BACKUPS AND MONITORING

All backups are stored off-site, outside the application server. The System Status page lets your IT team check the health of the platform at any moment, without contacting us.



- Uptime of the platform.
- Last run of the conflict, email and reminder batches, with processing time.
- Last database save and last media save, with processing time.

6. NETWORK AND SECURITY

- Serve the application over HTTPS only. Browsers require it to install the PWA and to deliver push

notifications.

- Provide an SMTP account (host, port, credentials) for outgoing emails.
- Optional: LDAP or SSO settings, to sign users in with your corporate directory.
- A REST API is available for integrations with your own systems.

7. SIZING

Recommended server resources depend on the number of users.

Users	CPU	Memory	Storage
Up to 150	***Intel Celeron*** ***Pentium N100*** ***Intel Core i3*** *(1-2CPU)*	*4Gb RAM*	*SSD (20 Go+)*
Up to 300	***Core i3*** *(10e-12e gén.)* ***Intel N100-N95*** ***AMD Ryzen 3 (série 3000/4000)*** ***Raspberry Pi5*** ***2/4 CPU***	*4Gb - 8Gb RAM*	*SSD NVMe (40 Go+)*
More than 300	***Intel Core i5 / i7*** ***Intel Xeon*** ***ADM Ryzen 5/7*** ***ADM EPYC*** ***4/8 CPU***	*8Gb - 16Gb RAM*	*SSD NVMe (100 Go+)*

8. HOSTING MODELS

- **Self-hosted:** you install and operate FlexyNook on your own infrastructure.
- **Fully managed Private Cloud:** FlexyNook is hosted and managed by TandemCode in a dedicated environment.

In both cases you keep full Super-Admin control over the application settings, security rules and user sessions.

9. PRE-INSTALLATION CHECKLIST

- ☐ PHP 7.4 or higher is installed, and the GMP extension is enabled.
- ☐ A MySQL database and a dedicated user have been created.
- ☐ Nginx or Apache serves the application over HTTPS with a valid certificate.
- ☐ SMTP settings are available for outgoing emails.
- ☐ The application user can edit its crontab, and the four batch jobs are planned.
- ☐ An off-site destination is ready for backups.
- ☐ LDAP or SSO details are available (optional).

Questions about your installation? Visit **flexynook.app** or contact the TandemCode team.