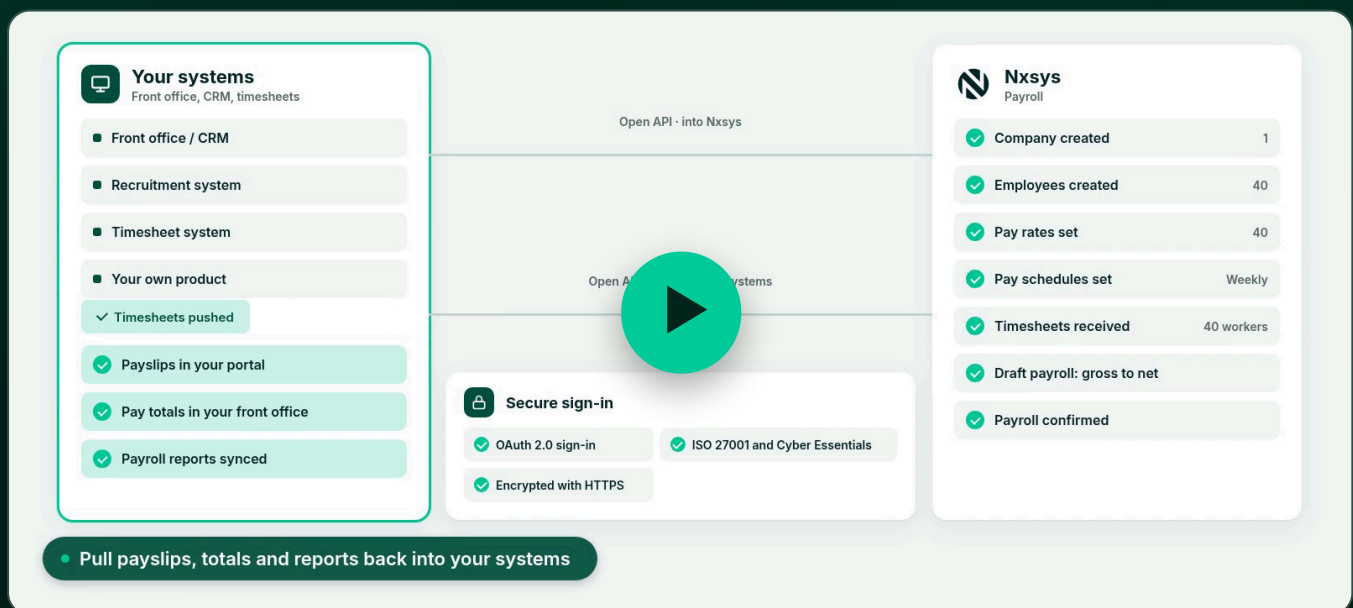


API INTEGRATION

Connect your systems to Nxsys payroll

Push data in from the systems you already use, run payroll through the API, and pull the results back into your front office. Or embed the Nxsys payroll engine in your own product.

[Open API](#)[OAuth 2.0 sign-in](#)[Embedded payroll](#)[UK and Ireland](#)

Watch how the API works (36 seconds)

From secure sign-in to payslips, in one short video. Click to play, or scan the code: vimeo.com/1240845799



HOW IT FITS TOGETHER

Your systems in front, Nxsys payroll behind

The Nxsys open API sits between the systems you already run and the Nxsys payroll engine. You send the data you already hold, and Nxsys works out pay, files with HMRC or Revenue, sends pension contributions and makes payslips.

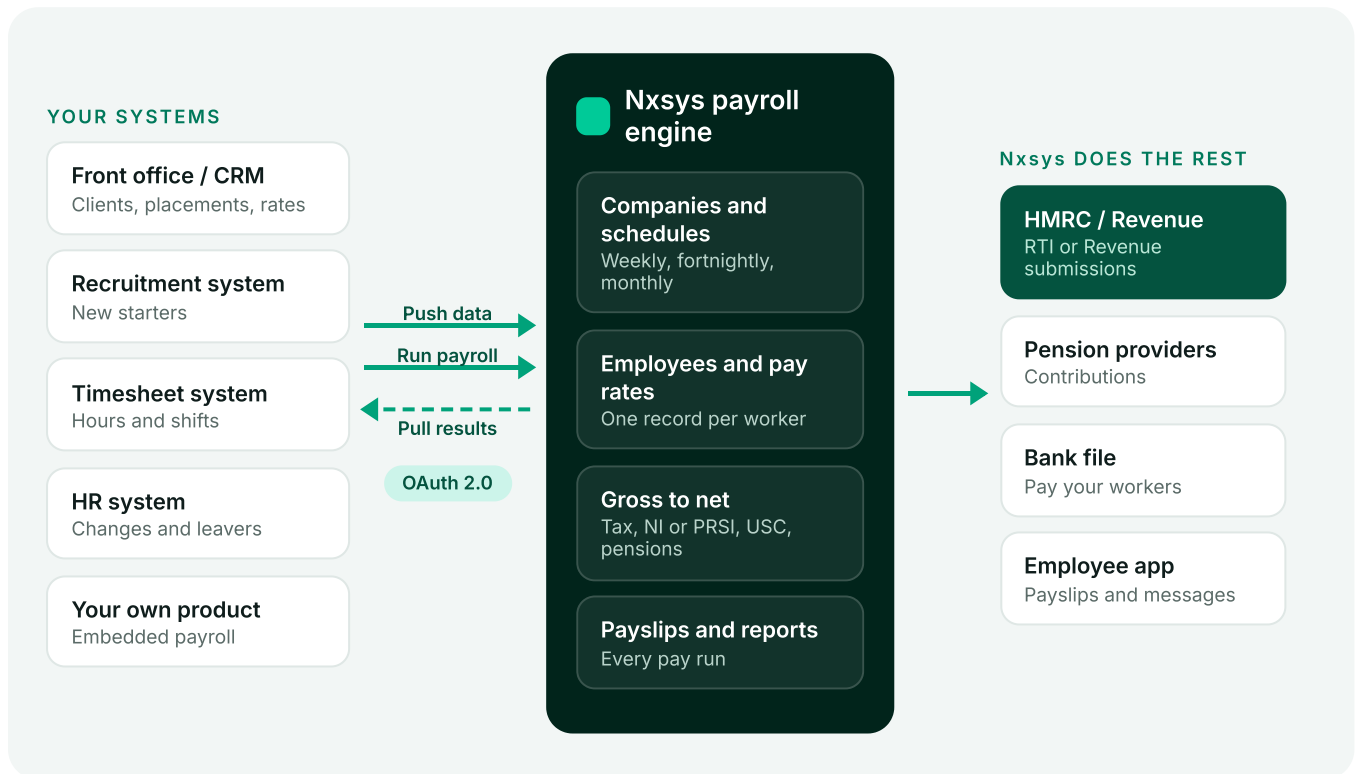


Chart 1. Where the API sits. Solid arrows go into Nxsys, the dashed arrow comes back to you.

THREE THINGS THE API DOES

Push, run and pull

01

Push data in

Create companies, employees, pay rates, pay schedules and timesheets from your own systems, when you are ready.

02

Run payroll

Start the pay run through the API, check the draft gross to net, then confirm it.

03

Pull results out

Bring payslips, pay totals and payroll reports back into your front office, billing or HR system.

WHAT GOES IN, WHAT COMES OUT

Every record the API handles

Set up companies and schedules once, keep people and rates up to date as they change, and push timesheets each pay period.

DATA	WHAT IT IS	PUSH IN	TRIGGER	PULL OUT
SET UP				
Companies	Each employer you run payroll for	●	●	●
Pay schedules	Weekly, fortnightly, four-weekly or monthly	●	●	●
PEOPLE				
Employees	New starters, changes and leavers	●	●	●
Pay rates	Hourly, daily or salaried, per employee	●	●	●
EACH PAY PERIOD				
Timesheets	Hours or units for the period, pushed when you are ready	●	●	●
Payroll	Run the draft, then confirm it	●	○	●
RESULTS				
Payslips	One per worker, also in the employee app	●	●	●
Pay totals	Gross, deductions and net, back to your front office	●	●	●
Reports	Payroll reports for finance and billing	●	●	●

● Through the API ○ An action you start ● Not needed

Chart 2. The API data, grouped by how often it changes.

HOW THE RECORDS FIT

From company to payslip

SET UP ONCE Company Your employer	WHEN THINGS CHANGE Employees Starters, leavers	EVERY PERIOD Timesheets Hours	WHAT YOU GET BACK Payslips Per worker
Pay schedule Weekly	Pay rates Per employee	Pay run Draft, confirm	Totals and reports Per run

Chart 3. Records you set up once, records that change, and what each pay run gives back.

SECURE SIGN-IN

OAuth 2.0 on every connection

Your system signs in to Nxsys with OAuth 2.0. It gets an access token, and every call to the API carries it. Nobody shares a password.

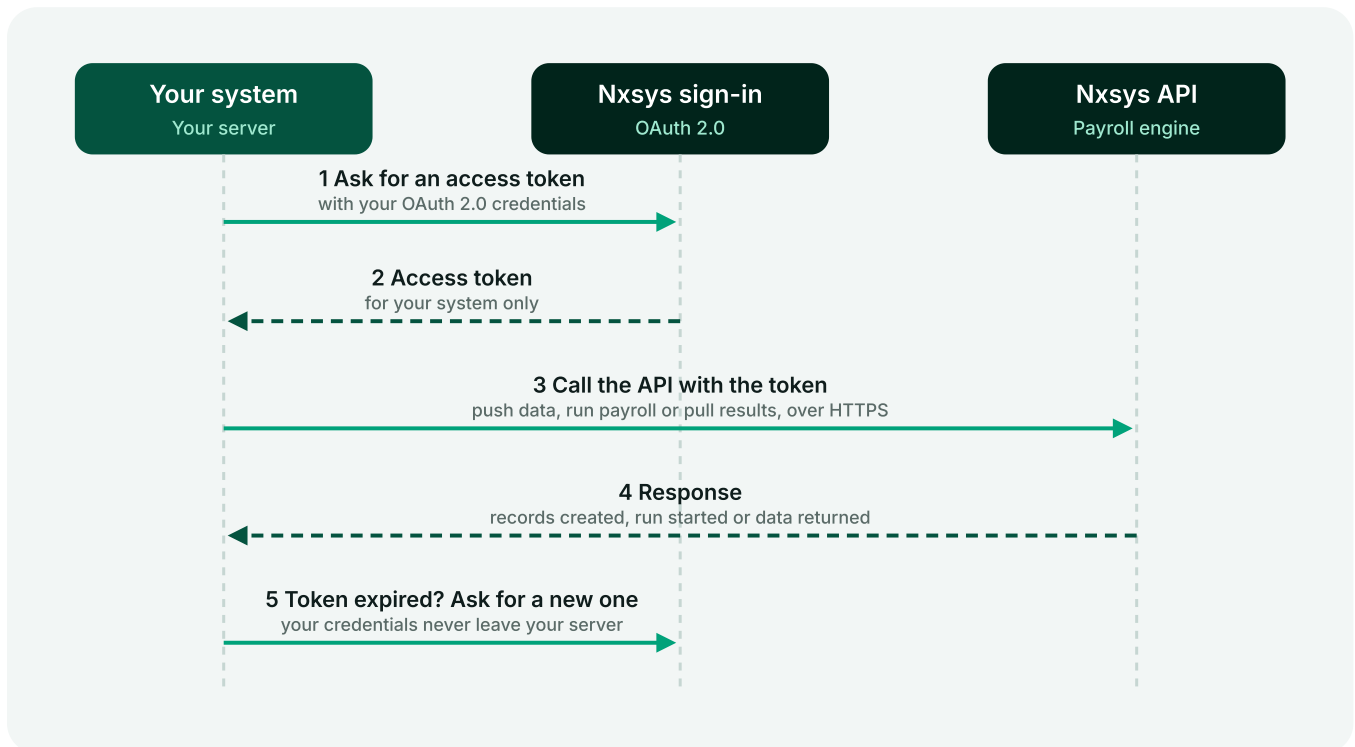


Chart 4. How your system signs in and calls the API.

SECURITY

Built on a certified platform

01

OAuth 2.0 sign-in

Your system signs in with its own OAuth 2.0 credentials and gets an access token.

02

Encrypted with HTTPS

Every call between your system and Nxsys travels over an encrypted connection.

03

ISO 27001 and Cyber Essentials

The Nxsys platform is certified to ISO 27001 and Cyber Essentials.

04

Full audit trail

Every change, approval and submission is logged with who made it and when.

05

Keep credentials on your server

Your OAuth 2.0 credentials stay in your back end, never in a browser or an app.

06

UK GDPR and EU GDPR

Payroll data is handled under UK GDPR and EU GDPR.

A PAY RUN THROUGH THE API

One weekly payroll, step by step

Here is a weekly payroll for 40 workers, run end to end through the API. Your system never keys anything into a second screen.

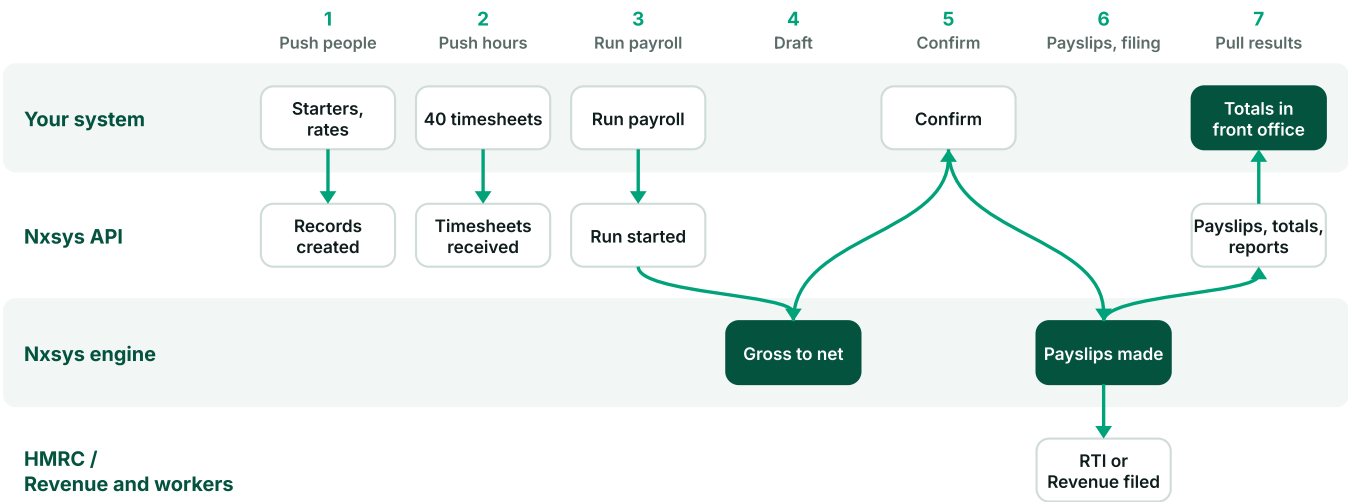


Chart 5. Who does what in each step. Example: a weekly payroll for 40 workers.

AN EXAMPLE WEEK

Sync as you go, run on Friday

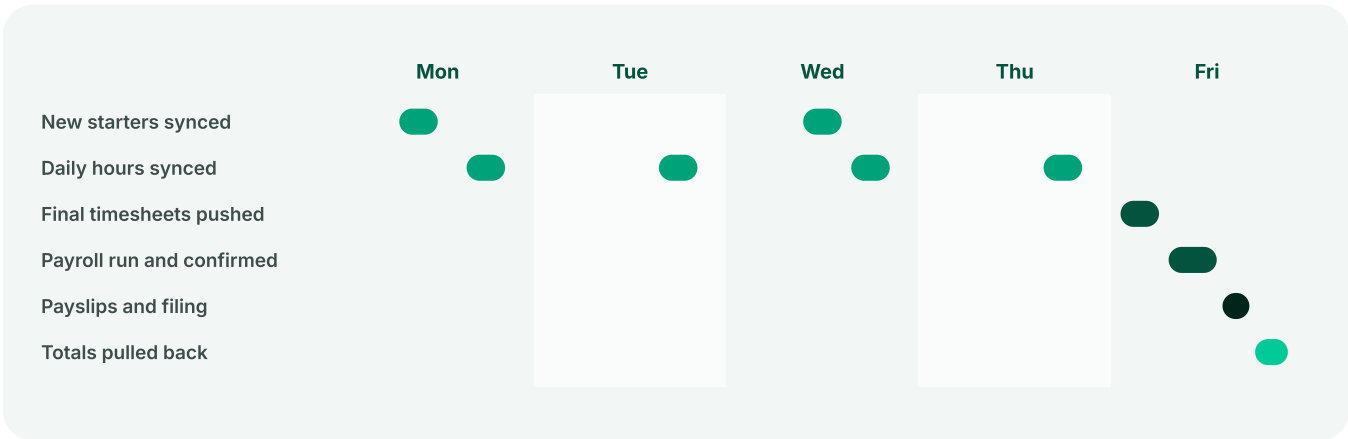
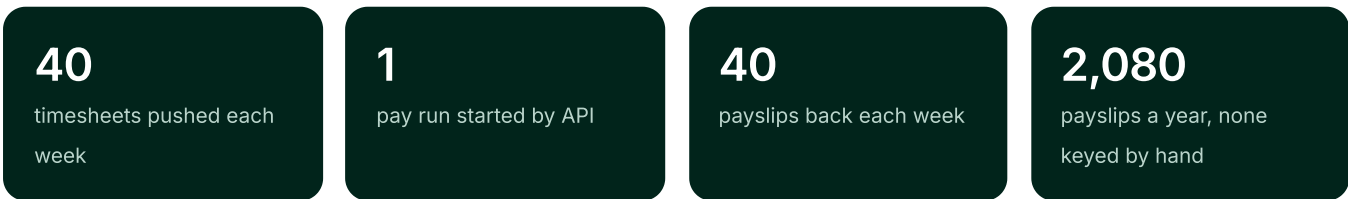


Chart 6. Example timings only: you choose when to push and when to run.



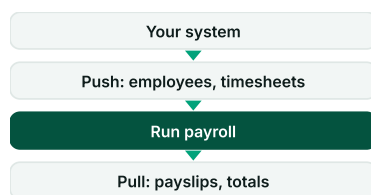
INTEGRATION PATTERNS

Three ways to connect

Choose the pattern that fits how your business works today. You can start with one and move to another later.

Push when ready

Keep working in your own systems all period, then push everything in one go before the pay run.



Best for: a weekly or monthly batch from one main system.

Sync as you go

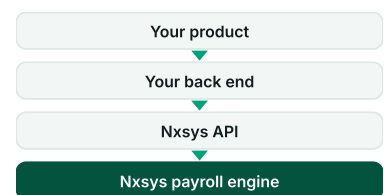
Send each change as it happens: a starter when they are hired, hours at the end of each day.



Best for: high volumes and several systems feeding payroll.

Embedded payroll

Put payroll inside your own product. Your customers never leave your screens.



Best for: software companies adding payroll for their customers.

BEFORE AND AFTER

What changes when payroll is connected

Without the API

- × Hours exported to a spreadsheet, then keyed into payroll
- × Starters set up twice, once in each system
- × Pay totals typed back into the front office
- × Mistakes found after payslips go out

With the Nxsys API

- ✓ Hours go straight from your timesheet system
- ✓ Starters created once, at the source
- ✓ Totals and payslips pulled back automatically
- ✓ One set of data from start to finish

EMBEDDED PAYROLL

Put Nxsys payroll inside your product

If you build software for employers, agencies or workers, you can offer payroll without building a payroll engine. Your product keeps its own screens and brand, and the Nxsys payroll engine runs underneath through the API.

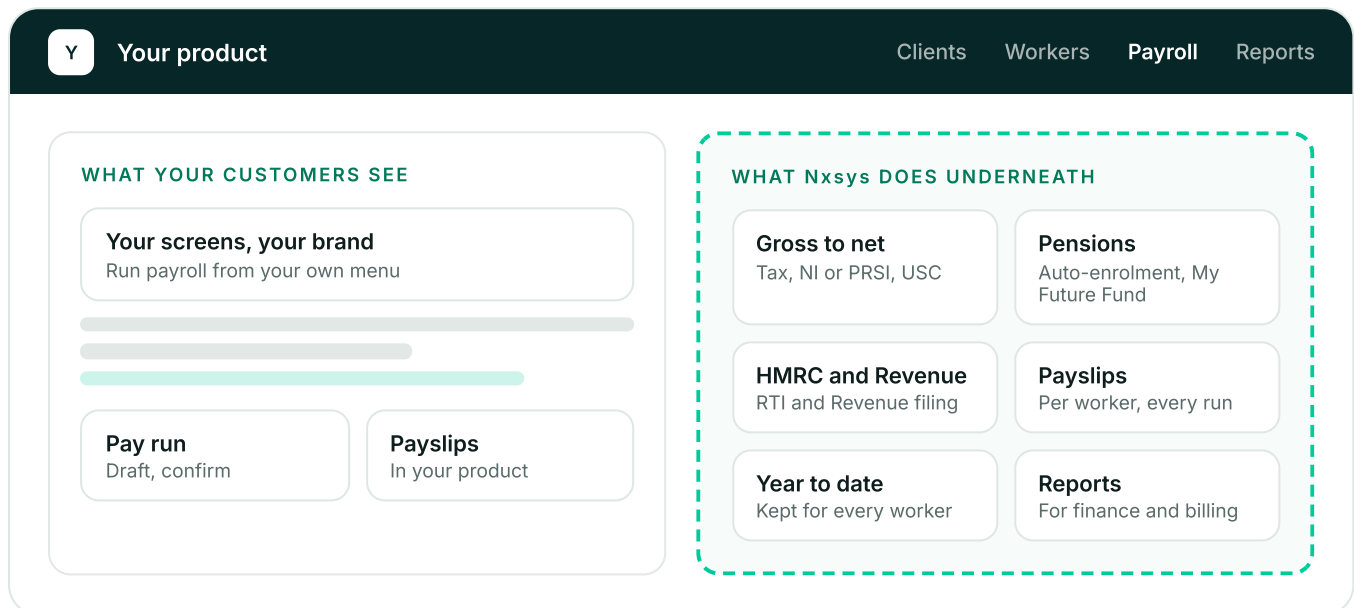
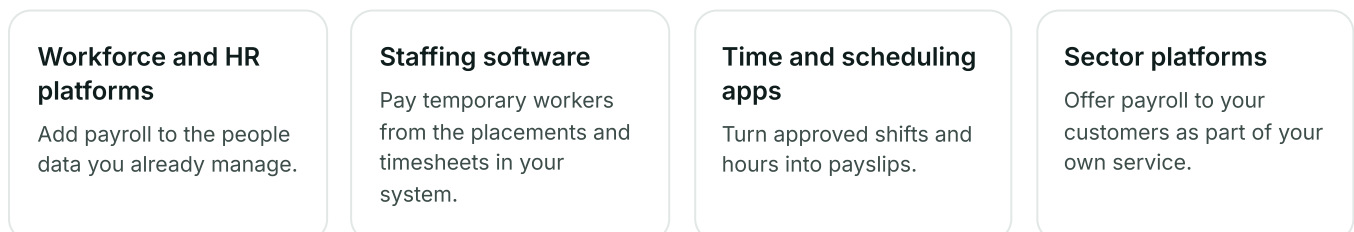


Chart 7. Your product on top, the Nxsys payroll engine underneath.

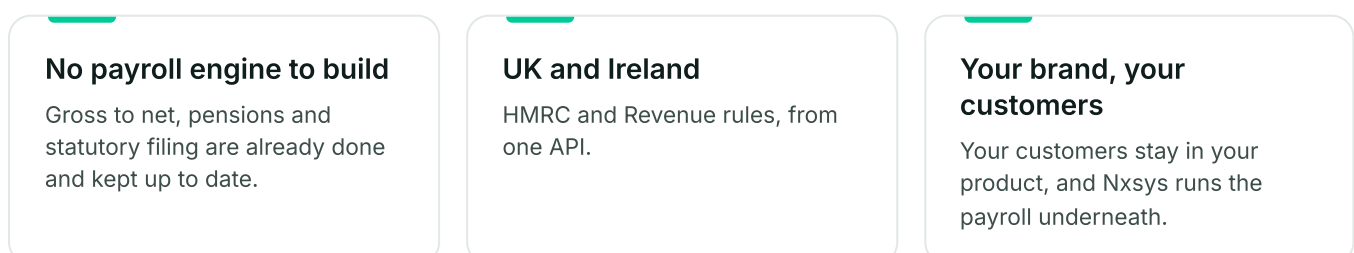
WHO EMBEDS Nxsys

Built for software that already holds the data



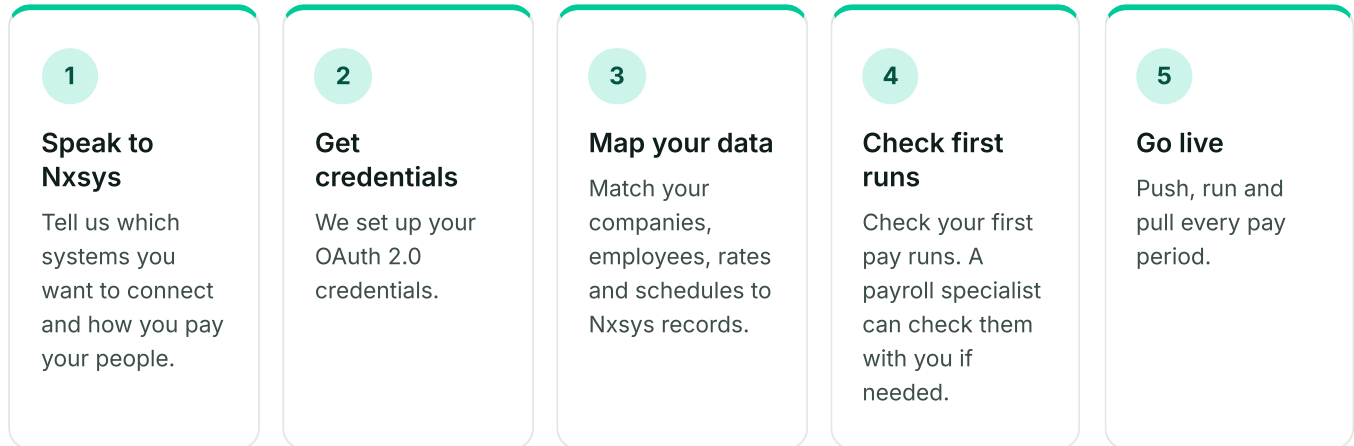
WHY EMBED

What you get without building it



GETTING STARTED

From first call to first live pay run



QUESTIONS

Common questions

Do we have to replace our systems?

No. The API connects the systems you already use to Nxsys. You keep your front office, recruitment and timesheet tools.

How does the API sign in?

With OAuth 2.0. Your system uses its OAuth 2.0 credentials to get an access token, and sends the token with every call.

Can we still use the Nxsys web app?

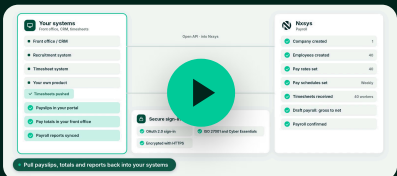
Yes. Data pushed through the API shows in the Nxsys Employer Web App, and your team can view and approve pay runs there too.

Which countries does it cover?

The United Kingdom and Ireland: HMRC RTI in the UK and Revenue payroll submissions in Ireland.

Where is the API documentation?

At developers.nxsys.tech. Speak to Nxsys to get your credentials.



Watch how the API works (36 seconds)

Secure sign-in with OAuth 2.0, data pushed in, payroll run through the API, results pulled back, and the engine embedded in your product. Click to play, or scan the code: vimeo.com/1240845799





SPEAK TO Nxsys

Connect your systems to Nxsys

Tell us what you want to connect, and we'll show you how the API would work for you.

BOOK A DEMO

nxsys.tech/contact

SECURITY AND TRUST

trust.nxsys.tech

API DOCUMENTATION

developers.nxsys.tech