

What is VeloxFactory?

VeloxFactory is a web application that lets you manage and render JasperReports templates — via a clean frontend, a powerful REST API, or both. It turns the well-established JasperReports engine into something any application can consume with a single HTTP call.

☐ **Desktop only — by design.** VeloxFactory's views are complex enough that a proper mobile experience requires dedicated work. The application is intentionally optimised for desktop browsers — a minimum resolution of **1600x900** is recommended; anything below that will work, but becomes cumbersome to navigate. A mobile-friendly version is on the roadmap, but not imminent.

Report Configuration - Overview

Created ▾ Creator ▾ Updated ▾ Updater ▾ Context ▾ Data Adapter ▾

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Report Configurations

ID	Created	Updated	Preview	Report Name	Description	Context	Meta Data	Adapter
1	2026-05-27 19:54:58	2026-05-27 19:54:58		A5_KanBan	DinA5 KanBan card for operational stock tracking	Article	File Name: A5_KanBan.jrxml Size: 209.90 x 297.04 mm Resources: 1 Parameters: 1 Fields: 6	[] dyn. array
2	2026-05-27 19:54:58	2026-05-27 19:54:58		A4_Invoice	DinA4 proforma invoice for logistic operations	Invoice	File Name: A4_Invoice.jrxml Size: 209.90 x 297.04 mm Resources: 1 Parameters: 6 Fields: 6	[] dyn. array
3	2026-05-27 19:54:59	2026-05-27 19:54:59		65x38mm_ArticleLabel	65x38mm Article label with company icon for inbound label printing	Article	File Name: 65x38mm_ArticleLabel.jrxml Size: 64.91 x 37.75 mm Resources: 1 Parameters: 6 Fields: 0	[] dyn. array

Where VeloxFactory Fits

JasperReports is a mature, battle-tested report engine. It produces high-quality PDFs, supports complex layouts, barcodes, images, and dynamic data — and it has been doing so reliably for decades. Integrating it directly requires a JVM on your server and Java code to drive it — which is a

natural fit for Java stacks, but an overhead most PHP, Python, or C# teams prefer to avoid.

VeloxFactory sits on top of the JasperReports render engine and exposes its capabilities via a clean REST API and a management frontend. The render engine runs in pure PHP — no JVM process required on your application server. You design your report templates in Jaspersoft Studio as usual, upload them once, and from that point on — rendering is just a POST request.

```
POST /api/v1/report-config/A5_KanBan/render
Content-Type: application/json
Authorization: Bearer <token>

{
  "parameters": {
    "P_ARTICLE_NUMBER": "456128"
  }
}
```

That is the entire integration.

Where It Came From

VeloxFactory was built by someone with a logistics and IT background who needed a simple, reliable way to generate article labels on demand — from whatever system was running at the time, without caring about the underlying report engine. The original idea was modest: a small API wrapper around JasperReports, nothing more.

It grew. A frontend to manage templates. Connection configs for live SQL data. History records for traceability. Print task dispatching. A permission system. What started as "just get me a label PDF" is now a full suite — and the name stuck, question mark and all.

What VeloxFactory Does

At its core, VeloxFactory does four things:

Manages report templates. You upload `.jrxml` files, and VeloxFactory analyses them automatically — detecting parameters, data fields, and image resources. Everything is stored, versioned, and ready to render.

Connects to your data. VeloxFactory can execute SQL queries against live databases at render time. MySQL, MariaDB, PostgreSQL, and SQL Server are all supported. No live connection needed either — you can deliver data directly in the render request as a JSON array, which makes it equally useful for applications that already have the data in memory.

Renders on demand. A single API call produces a PDF. You choose the output format — Base64-encoded inline, a file URL, or silent output for print-only flows. Rendering is synchronous and fast.

Dispatches print jobs. Rendered PDFs can be forwarded directly to a print service via WebSocket, creating a traceable `ReportPrintTask` with status tracking. Labels off the printer, not just on the screen.

Who It Is For

VeloxFactory is for anyone who needs to generate documents — labels, reports, delivery notes, production sheets, certificates — reliably and programmatically. The typical home is in **logistics, production, and warehousing**, where printing article labels, kanban cards, or shipment documents is a daily operational need and downtime is not an option.

More broadly: if your application needs to produce a PDF from structured data, and you do not want to build and maintain a report engine yourself, VeloxFactory is the answer.

Deployment

VeloxFactory is a standard Laravel application. It runs wherever PHP runs — which is nearly everywhere.

Scenario	Works?
Cloud VM or VPS	Yes
On-premise server	Yes
Docker container	Yes

Scenario	Works?
Raspberry Pi on the shop floor	Yes
Jaspersoft Server	Not needed

The setup is intentionally slim. PHP, a database for VeloxFactory itself, and the JasperPHP render engine — that is the stack. No application server, no JVM process to manage, no separate Jaspersoft infrastructure. VeloxFactory bundles everything it needs.

i Want to try it first? A live demo is available at demo.veloxfactory.kiwi-software.dev.

Login: · **Password:**

Revision #20

Created 2026-05-10 10:34:50 UTC by Benjamin Fischer

Updated 2026-05-27 18:15:51 UTC by Benjamin Fischer