

Lunch & Learn Europe – October 2024

Jasper Reports – Q&A

Is there a plan to support RestAPI in the context of printing?

This is not yet planned. We have provided the feedback to the product team for consideration in future releases.

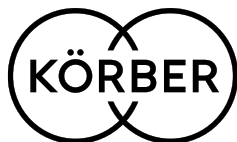
Which Jasper library version will be provided by the product and is this a commercial version (license), fulfilling security expectations of the market?

Currently we are using JasperSoft Studio Version 7.0.0 (Community Version). Our product team are investigating the use of the full commercial version. JasperSoft fulfills the standard security expectations and its use with PAS-X MES has been tested as part of the product delivery of PAS-X MES V3.3.4.

Are there any issues migrating a PAS-X MES 3.1.8 Jasper label to 3.3?

There are some potential challenges and considerations to be aware of when starting the migration of labels from Crystal Reports to Jasper.

- 1) The print data model has been changed between both versions. It should be checked beforehand, if your PAS-X MES 3.1.8 labels contain fields which are not supported in 3.3. In general, we support almost all the same standard fields as before. This should be discussed during the standard report & labels workshops.
- 2) The former print data model in PAS-X 3.1.8 allows a user to embed SQL queries in the customized labels and extract additional data during printing. This is no longer possible with PAS-X MES 3.3. For all customers using embedded SQL queries, the following activities will be required:
 - a. to check if the data can be provided via Custom Attributes or Characteristics. These can be fed with data using formulas.
 - b. in case a. does not match, then it may be necessary to consider an extension of the print data model with new customized fields.



- 3) If you have customized labels that match the scope of available printing data, we suggest evaluating if it is possible to take a standard PAS-X Jasper Label and implement the customizations to this label rather than designing from scratch.

If your site is impacted by 1) or 2) these changes should be managed and planned as part of your project implementation.

Will it be possible to use Jasper labels with PAS-X MES 3.1.8 or is an update needed?

From a product perspective, it is not currently planned to backport Jasper Print Services to 3.1 / 3.2 versions or 3.3. versions of PAS-X MES below 3.3.4.

If this is a requirement, we recommend discussing this with your Account Manager or Project Manager for further investigation / discussion.

In the future, will there be a way to upload Jasper Reports to PAS-X MES?

The product team are investigating this functionality currently, although there is no confirmed release.

Is the Jasper version ready to be used in GMP production environments, has a license and is a commercial product with support and guarantee services?

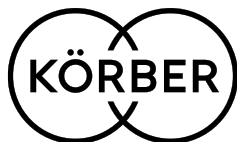
Jasper Reports has been tested in combination with PAS-X MES as part of the product release lifecycle. Use of the commercial version of Jasper Reports is under review by the product team.

Can we create our own reports?

Yes, you can add your own reports to our external Jasper JRXP folders and the printing service will recognize them as Jasper Report files. The file path would then need to be configured in the layouts dialog.

Can Jasper Reports be run with the same setup of servers?

For PAS-X MES 3.3.4 onwards, yes it can.



Is there any evaluated transformation tool to migrate Crystal to Jasper Reports and labels?

Currently, we do not have a tool to automate the migration of labels from Crystal to Jasper.

Standard PAS-X Labels are provided in Jasper Format from PAS-X V3.3.4 onwards. For customized labels, Körber can support customers where needed with the migration.

Will it be possible that customers could customize labels and reports by themselves? Or will Körber have to be contacted?

Yes, customers will be able to change the labels themselves. Additionally, not all changes will require the use of JasperSoft Studio. For smaller changes such as typos, rephrasing and changing formats, you can open the plain text JRXP files and use any XML editor to do the change directly into the file. Afterwards you can place the label in the external Jasper folder and test it with your PAS-X instance.

Our project implementation to move from PAS-X MES 3.2.x to a Jasper supporting version won't be available until after the end of 2025, after the support runs out. What to do?

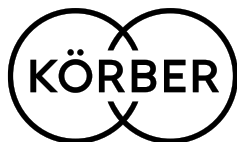
With SAP ending support for the Java version of Crystal Reports, a new functional risk arises in the GxP Software PAS-X environment.

In ideal cases, the customer IT team would have for all relevant software components a CSA (Computer Software Assurance), or equivalent process established. This should verify risk-based changes to software components that may lead to malfunctions as a result of the software environment they run.

Körber tests the functionality of our components within the expected installation requirements. From 2026 there will be a new component representing a support risk in cases where the functionality is impacted by a change such as an operating system update or a Java runtime update. This is outside of our test-scope and should be assessed by each customer.

With regards to Crystal Reports, when an update is required on the server, a risk assessment of the change should be done. The outcome of this may lead to a pretest of the update on a PAS-X Dev system. While the Crystal component is robust, from 2026, it will require additional attention in such cases.

It should also be noted that the PAS-X MES 3.2.x versions are already out of product maintenance, and transitioning to the latest PAS-X MES version should be accelerated as much as possible to reduce risks on the MES system itself.



Is the end of support for Java libraries relevant for Crystal reports in older PAS-X MES versions? Do they also use Java libraries?

The scope of this document relates to the end of support for Crystal Reports only – not end of life for Java libraries.