

Lasetnet FO Connector 6.19 New Features (part VI)

2023-10-17 - Alice Petruzzella - Comments (0) - Lasetnet FO Connector New Features

Lasetnet for Dynamics 365

Release version: 6.19

Release date: 17th October 2023

Introduction

This page describes the enhancements in [Lasetnet FO Connector 6.19](#).

Click to view the [Release Notes](#) page.

Click to view the [LAC365FO 6.19 New Features \(part I\)](#) page.

Click to view the [LAC365FO 6.19 New Features \(part II\)](#) page.

Click to view the [LAC365FO 6.19 New Features \(part III\)](#) page.

Click to view the [LAC365FO 6.19 New Features \(part IV\)](#) page.

Click to view the [LAC365FO 6.19 New Features \(part V\)](#) page.

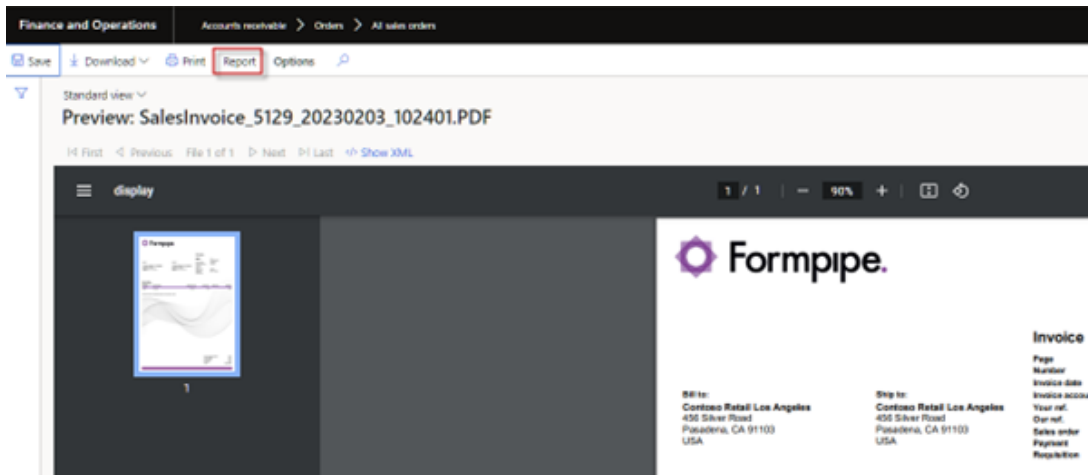
Click to view the [LAC365FO 6.19 New Features \(part VII\)](#) page.

324208@LAC365FO - T&P - Generate report summary - Error: Root element is missing
A warning was thrown when generating the Report summary, when the last entry in the Lasetnet archive had an "invalid" reference to the XMLfile, such as restoring an environment.

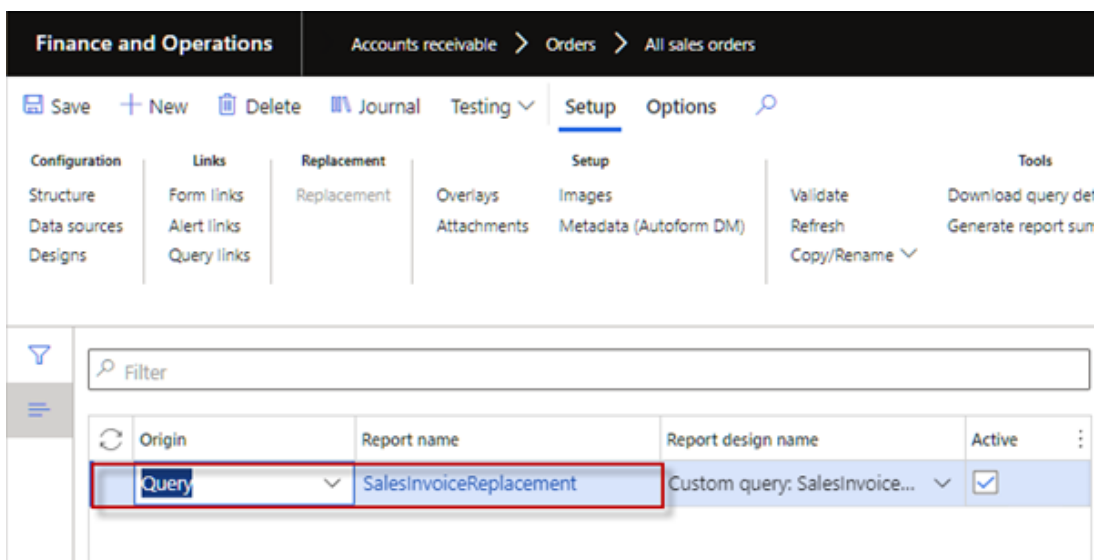
Lasetnet FO Connector 6.19 does not throw this error (a work-around in previous versions was to run and prepare a proper XML file for the Lasetnet Archive).

323710@LAC365FO - Direct jump from preview form or archive form to Report configuration
A new option is introduced to jump from the preview of a document to the report.

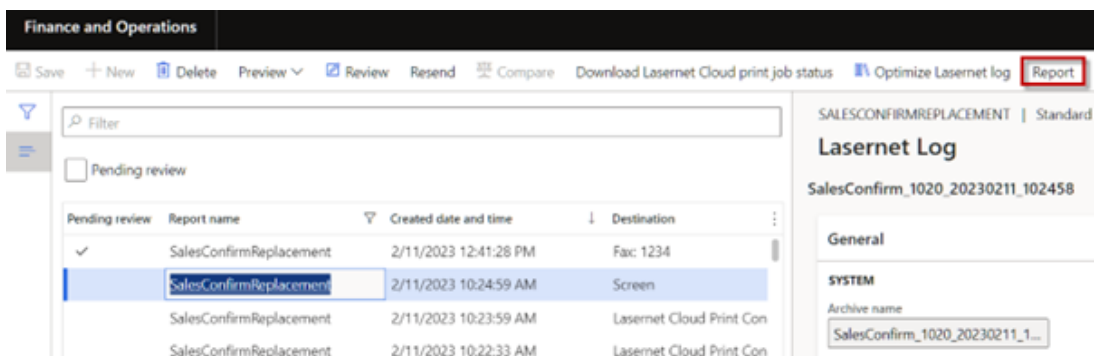
Example:



Clicking **Report** in the preview will open the report configuration for the Report shown in the preview.



It is also possible to open the report configuration directly from the Lasernet Archive.



316147@LAC365FO - Email defaults of Company/Report are not executed when resending a PDF (without Force re-run)

Resending an existing document (without Force re-run) from the Labeled Report Archive did not apply the **From name** and **From e-mail** defined within the Labeled Report parameters, when the previous document was not processed to an e-mail.

This has been fixed.

308788@LAC365FO - Parameters with spaces in their names no longer result in errors in the Expression editor

An error was thrown when accessing parameters containing a space within the Expression editor.

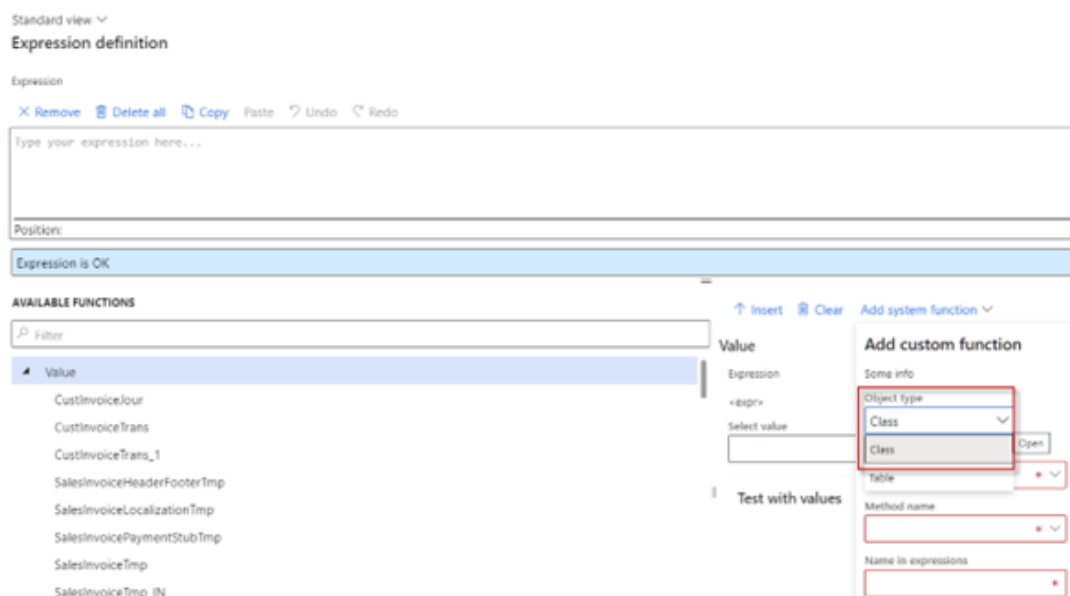
This error no longer occurs.

299787@LAC365FO - Not possible to use added functions with identical names from different tablets/classes

Lasernet FO Connector supports the option to add a function even when the same function/method exists in several tables in Dynamics 365.

It is possible to add functions/methods from either the expression or the Lasernet parameters.

Adding a function from the Expression Editor



Functions in Lasernet FO Connector provide the option to "re-use" existing functions/methods from the application.

Remember to clear the **Lasernet Cache** in case new functions/methods are added.

Provide a unique name within the **Name in expressions** as this is the name shown within the Expression Editor.

Add custom function

Some info

Object type

Table name

Method name

Name in expressions

Description

It is also possible to "name" and create new functions in the **Expression function** located at **Lasernet > Setup > Parameters > General > Default values.**

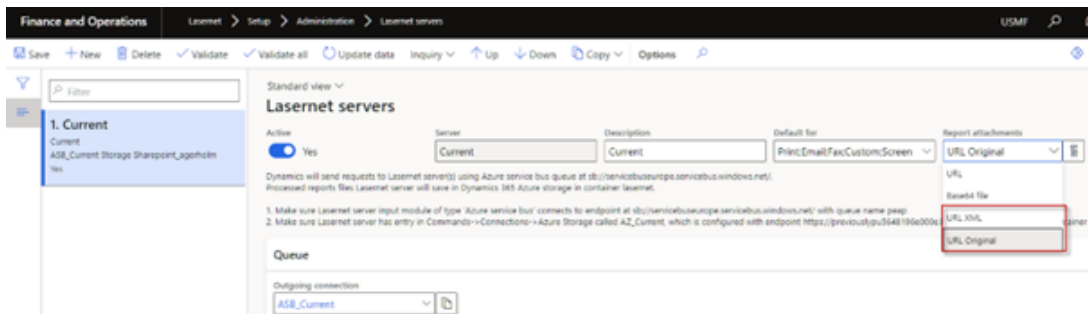
271957@LAC365FO - #21778- D365FO LAC: Decouple XML and PDF storage for SharePoint 365

Two new useful options are introduced in relation to Report attachments:

- **URL XML**
- **URL Original**

They are especially useful for attachments in SharePoint as they allow to parse the attachment(s) through a reference to a temporary location within the Azure Storage.

The following two new options are located at **Lasernet > Setup > Administration > Lasernet servers:**



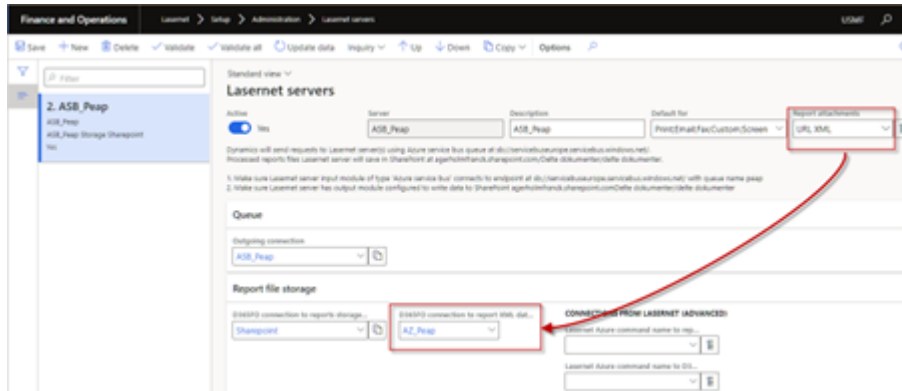
URL XML

In the following example SharePoint is only used in **Lasernet** to save the documents (PDF files). The **Azure Service Bus Queue** and **Azure Storage** are used for communication

between Lasernet FO Connector and Lasetnet.

In Lasetnet FO Connector, attachments are saved in SharePoint.

Using **URL XML** will save a copy of the attachments into the Storage specified in the field **D365FO connection to report XML data storage** (Optional, advanced).



Using this option is advantageous because it avoids using SharePoint for communication between Lasetnet FO Connector and Lasetnet as this could cause throttling issues in SharePoint.

Attachments parsed through the Azure Storage are removed in Lasetnet once used.

No adjustments are required within the Lasetnet configuration as it reuses the same generic logic that is already used for attachment(s).

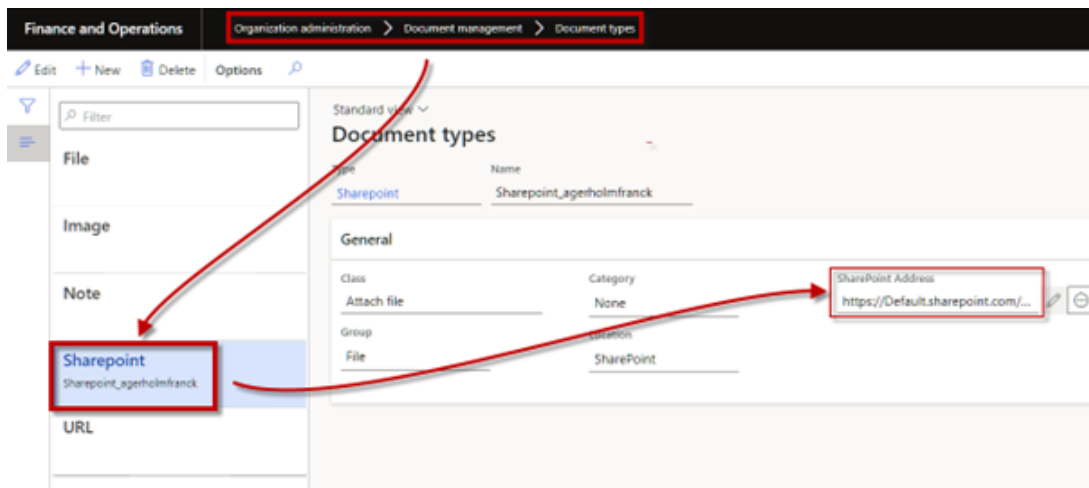
URL Original

Using **URL Original** will parse a URL to the original location of the document and Lasetnet will use this URL to add the attachment.

In the following example, the attachments are saved in SharePoint, which in turn is configured for the following **Default Sharepoint server, Site** and **Folder**.

The **Default SharePoint server** is located at **Organization administration > Document management > Document management parameters > SharePoint**.

The document type (Site, sub-site/folder) is located at **Organization administration > Document management > Document types**.



The following, in relation to the connection **documents_auto_sharepoint**, only applies to the legacy in Lasernet and is not required when Graph is used.

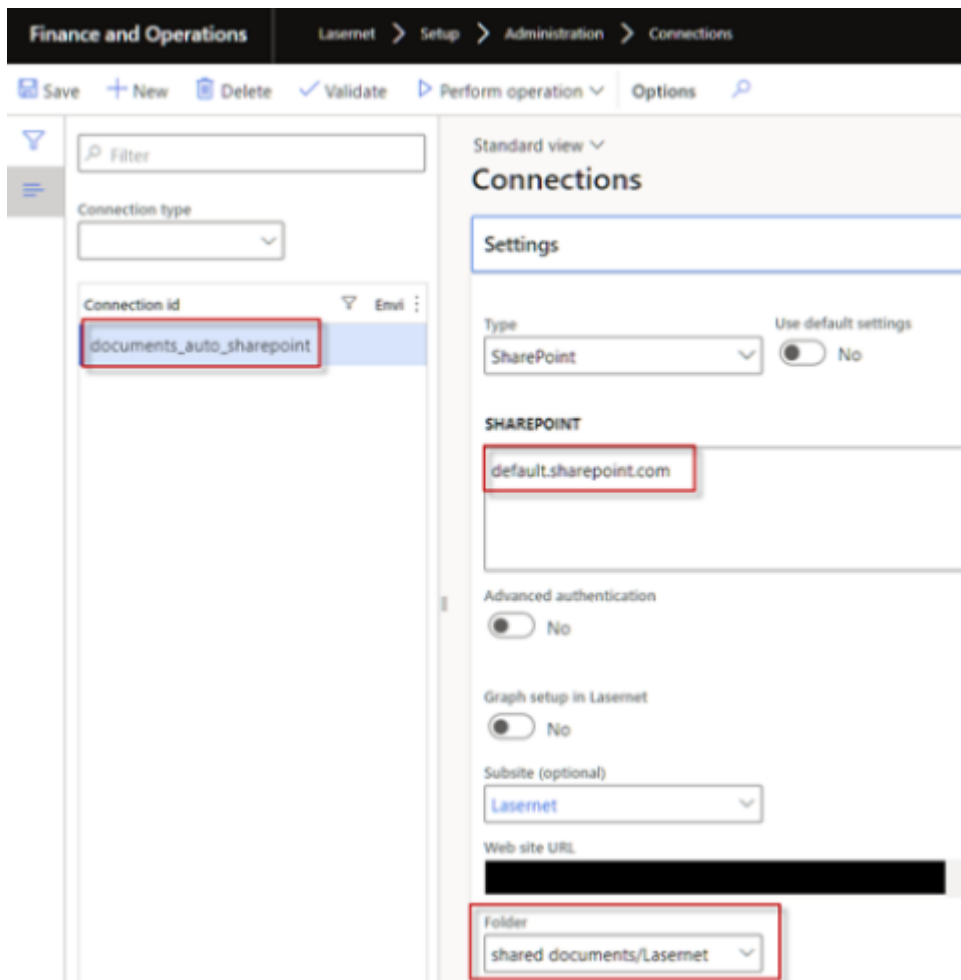
A **connection** such as the one displayed in the following image is required for parsing/providing the proper URL to Lasetnet as attachments in standard Lasetnet FO Connector are not saved in the same location as the attachments used with/in Lasetnet FO Connector/Lasetnet.

```

</SinglePage>
</Overlay>
-<Attachments>
  -<MailAttachment>
    <MailAttachmentDeleteAfterSending>No</ MailAttachmentDeleteAfterSending>
    <MailAttachmentExists>0</ MailAttachmentExists>
    <MailAttachmentFileAXConnectionId>documents_auto_sharepoint</ MailAttachmentFileAXConnectionId>
    <MailAttachmentFileData/>
    <MailAttachmentFileId>0E8BD79F-BE2F-4A19-A1CF-AF1EA0607E09</ MailAttachmentFileId>
    <MailAttachmentFileMimeType>application/pdf</ MailAttachmentFileMimeType>
  </MailAttachment>
</Attachments>
</Overlay>
</SinglePage>

```

Create a SharePoint connection **documents_auto_sharepoint**:



Benchmark/comparison between URL XML & URL Original

The Test & Performance Suite (T&P) is used for benchmarking performance.

Benchmark is at a Tier-1 Dev-box; Service Fabric (SF) environment is not used.

Processing 10 documents which are having the same attachment:

Batch-threads	URL Original	URL XML	Sharepoint XML+PDF	Service Bus Queue Azure Storage
1 batch-thread	16 seconds	30 seconds	55 seonds	16 seconds
2 batch-threads	8 seconds	20 seconds	44 seonds	10 seconds
4 batch-threads	6 seconds	22 seconds	45 seconds	9 seconds
8 batch-threads	11 seconds	28 seconds	58 seconds	10 seconds

An attachment (PDFfile) containing the **General Terms and Conditions of Sales and Delivery** is added to all confirmations.

232282@LAC365FO - Better validation of Email/syntax

205376@LAC365FO - Validate email syntax

Lasernet FO Connctor 6.19 validates email addresses entered within the "printer dialog".

We received feedback from a PEAP customer who got warnings as their master data contained many spaces and a ; (semicolon).

It is possible to configure the validation of email addresses through a RegEx (Regular Expression) but also to completely avoid this validation, if needed.

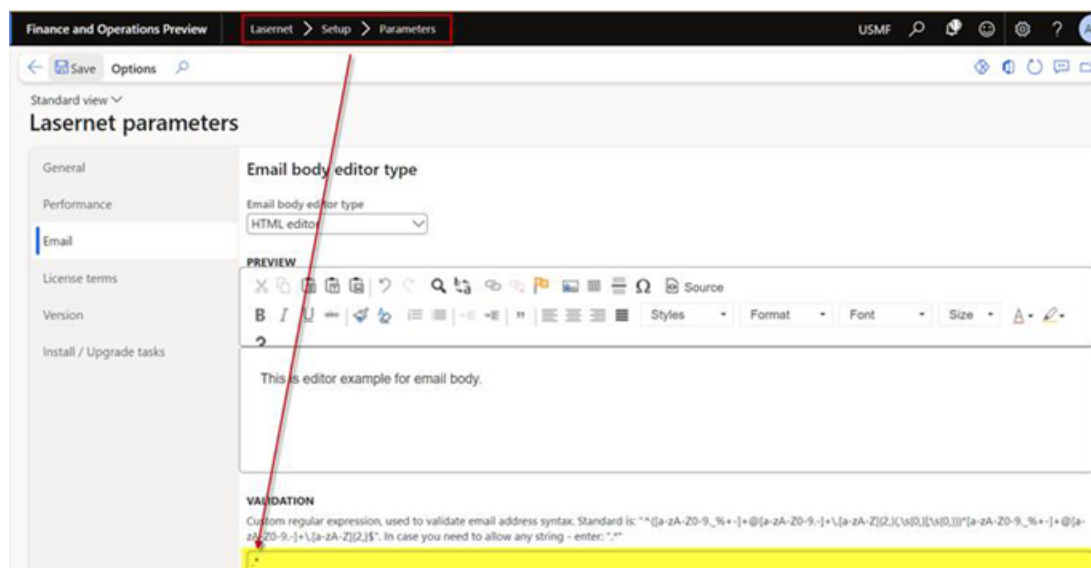
It is best practice to have a validation of the entered email addresses as this can often prevent errors at the start of a process.

The regular expression for validating an email address is located in **Lasernet > Setup > Parameters**.

Use the value `.*` within **VALIDATION** to have the system accept any values. Please, only use this as a workaround as it is preferable to have a stronger and more strict validation as this could avoid potential issues.

Avoid validation of the email address

Using `.*` will make any value acceptable.

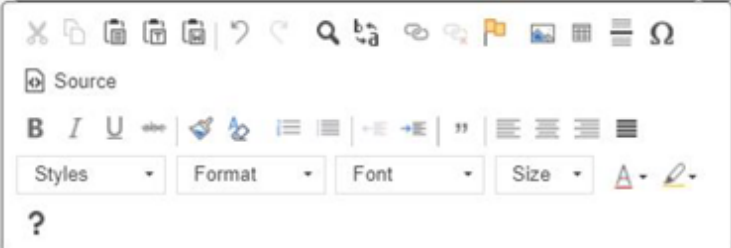


Example of accepted space before ; (semicolon) but not afterwards (standard in 6.19)

Entered email addresses: kim.agerholm@dynazure.cloud; Kim.Agerholm@Formpipe.com

Standard view ▾

Print destination settings

Lasernet Predefined	To
Lasernet Fax	<input type="text" value="kim.agerholm@dynazure.cloud; Kim.Agerholm@Formpipe.com"/>
Lasernet Custom port	Cc
Lasernet Email	<input type="text"/>
Lasernet Print	Bcc
Lasernet Screen	<input type="text"/>
Lasernet Screen	Subject
Print archive	<input type="text"/>
Screen	<div></div>
Printer	
File	
Email	

VALIDATION

$^([a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,})(\s{0,};\s{0,})^*[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$$

Example of unaccepted ; (semicolon) and space (current standard in 6.19-PEAP)

Entered email addresses: kim.agerholm@dynazure.cloud; Kim.Agerholm@Formpipe.com

Please enter a valid email address.

Standard view ▾

Print destination settings

Lasernet Predefined	To
Lasernet Fax	<input type="text" value="kim.agerholm@dynazure.cloud;Kim.Agerholm@Formpipe.com"/>
Lasernet Custom port	Cc
Lasernet Email	<input type="text"/>
Lasernet Print	Bcc
Lasernet Screen	<input type="text"/>
Print archive	Subject
Screen	<input type="text"/>
Printer	
File	
Email	

VALIDATION

$^{\wedge}([a-zA-Z0-9._\%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,})*[a-zA-Z0-9._\%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}\$$

354024@LAC365FO - T&P: Checkpoint creation from Top picking report processing (PDF comparison - Add checkpoints through Top picking in T&P)

It is now possible to automatically to create 'Test points' through the Top picking located within the Test & Performance suite.


Location: Lasernet > Test and performance suite > Performance > Batch print schedule (Top picking)

This feature creates both checkpoints and a Test flow containing all the checkpoints. It also makes it much easier and faster to create the required checkpoints.

Standard view ∨

LAC - Batch multithread printing job (Top picking): SalesInvoiceReplacement

Settings ∧

Destination
 


Unprocessed only
 No

Parameters ∨

Advanced ∧

Wait/log report archive No

Create checkpoints Yes



382090@LAC365FO - Lasernet button now includes logo

Location: Lasernet > Setup > Parameters

It is now possible to specify which text and image should be shown on the buttons used in the Lasernet FO Connector.

This includes a preview that shows what it will look like for an end user.

Finance and Operations Preview | Lasernet > Setup > Parameters

← Save Options ↻

Standard view ∨

Lasernet parameters

- General
- Performance
- Email
- License terms
- Version
- Install / Upgrade tasks

Set up Lasernet plugin parameters

Company information

Company name

Email defaults

From name

From e-mail

Report life span

Report Life span id

Batch

Batch group

Consolidate


Associated payment attachment Yes

Default Menu Button View

Label

Image

PREVIEW



Select **None** if no image must be shown.

'Lasernet' is the default text option, when no label or language text are selected.

Default Menu Button View

Label	Image
<input type="text" value="Lasernet"/>	<input type="text" value="None"/>

PREVIEW

Similar options exist within the Form links: specifying Menu label, Label, Menu Image and Image will overwrite the settings specified within the parameters for the Lasernet FO Connector.

Lasernet > Common > Reports

delete Load defaults Dialog setup Options

LACCustTable | Standard view

Forms where report Lasernet buttons are added

Form name	Control name	Position
<input type="text" value="CustTable"/>	<input type="text" value="NewCustomer"/>	<input type="text" value="After"/>

Properties

Menu label	Menu Image	Hide archive
<input type="text" value="Menu label"/>	<input type="text" value="Lasernet"/>	<input checked="" type="checkbox"/> Yes
Label	Image	Single button
<input type="text" value="Menu Item2"/>	<input type="text" value="Lasernet"/>	<input type="checkbox"/> No

PREVIEW

Condition