



Sky is the limit



Lasernet connector version 6.17
2022-March release
Dynamics 365 for Finance & Operations



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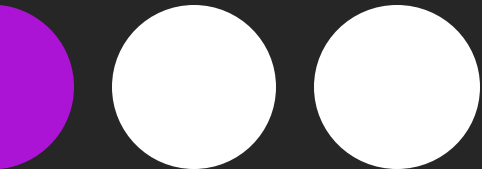
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Agenda.

- Performance (as always an important and Hot topic)
- General information
- Working with attachments and review (approval) of document(s)
- Auto-creation of documentation (“FDD”)
- Archive and option to reduce the size of the Archive
- Scheduled backup (Export) of reports
- 5 minutes break
- Highlight of new “performance “ features
- Auto update of Lasernet design (patterns and rearranges)
- Comparison of Query and entries in the Archive
- Test & performance suite
- Auto conversion of subreport(s) into Query
- Benchmarks
- Direction (future) – Vision











LAC365FO.

Version 6.17 (March release)

- Compatible with PU50 (10.0.26)
- Open Tech session in April/May showing examples Dynamics/LAC365 + Discussion
- The LAC365FO package are released for the following builds (PU's)
 - Dynamics 365 for Finance & Operations - PU48
 - Dynamics 365 for Finance & Operations - PU49
 - Dynamics 365 for Finance & Operations - PU50

<https://kb.lasernet.formpipe.com/article/AA-00875/83/>

Attachments

	Default Configurations.zip	9.7 Mb	Download File
	Documentations.zip	8.4 Mb	Download File
	LAC365FO_Version_6.17.0.2204015_PU49.zip	78.6 Mb	Download File
	LAC365FO_Version_6.17.0.2204017_PU50.zip	78.6 Mb	Download File
	LAC365FO_Version_6.17.0.2204018_PU48.zip	78.6 Mb	Download File
	LACWHSWaveLabels_1.0.0.0_V10_PU34+.zip	2.8 Mb	Download File
	Lasernet Connector for D365FO - Release notes version 6.17.pdf	13.5 Mb	Download File
	Lasernet Test and Performance Suite - PERFORMANCE.pdf	0.7 Mb	Download File
	Lasernet Test and Performance Suite - TESTING.pdf	1.6 Mb	Download File
	Lasernet Tutorials_LAC365FO_version6140.zip	31.6 Kb	Download File



LAC365FO.

Version 6.17 (March release)

Will release 6.17.1 in May/June

- <https://support.formpipe.com/>
- <https://support.formpipe.com/news/posts/d365-fo-connector-v-6-17-is-now-available>
- <https://support.formpipe.com/news/posts/d365-fo-connector-6-17-release-notes>

Version	Preview availability (PEAP)	Generally available (self-update)	Auto-update schedule (via LCS Update Settings) production start date	End of service
10.0.30	September 2, 2022	October 21, 2022	November 4, 2022	January 13, 2023
10.0.29*	August 1, 2022	September 16, 2022	September 30, 2022	December 9, 2022
10.0.28	May 27, 2022	July 15, 2022	July 29, 2022	October 21, 2022
10.0.27	April 22, 2022	June 17, 2022	July 1, 2022	September 16, 2022
10.0.26	March 4, 2022	April 15, 2022	April 29, 2022	July 15, 2022
10.0.25*	January 31, 2022	March 18, 2022	April 1, 2022	June 10, 2022
10.0.24	December 3, 2021	January 14, 2022	February 4, 2022	April 15, 2022
10.0.23	October 15, 2021	December 10, 2021	December 31, 2021	March 18, 2022

Attachments, review/approval of documents

Backup (Export / Import).

Scheduled

1

4

**Laseret
connector for
Dynamics
365FO
version 6.17**

Auto creation of
documentation (FDD).

2

Upgrade framework
Auto start of upgrade tasks

5

Reduce size of Archive.

3

Performance.


Query Wizard .

Test & Performance
Suite

6

Attachments.

- Simplified use of attachments



Save + New Delete Open Move to Copy to View history Created by

Filter

Table

1 - Sales orders

2011-ENG-Sales-And-Deliv...
File
Sales orders

Attachments for Sales orders - Sales order: 012951, Football Stadium

Description Type Attachment

2011-ENG-Sales-And-Deliver... File

General

Attachment

Preview

General Terms and Conditions of Sale and Delivery

...itted by us includes acceptance of the following
... always an inseparable part of any contract or
... We deliver (equipment, products and certain
... conditions specified herein.

...ng by the parties, the terms and conditions of sale
... any quotation, order or supply.

... quotation, any quotation submitted by Formpipe
... d to as FORMPIPE) shall be firm for eight (8) days

... forwarding an order confirmation or by delivery. If
... object to the acknowledgement of order, it shall be

... sical specifications given in FORMPIPE's printed
... y modification which may be implemented prior to

... n mentioned shall not be binding. Specific Buyer
... ly if confirmed in writing by the Seller.

... times lengths weights etc. FORMPIPE's normal

If, before delivery, FORMPIPE may reasonably as
... able to perform his obligation to pay, FORMPIPE
... security be provided in this respect. FORMPIPE
... agreement if the necessary security cannot be provi

12. Complaints.
The Buyer undertakes to examine the product imme

Any objection from the Buyer to the quality s
... FORMPIPE no later than eight (8) days after the Bi
... question. Any objection from the Buyer to the quali
... in writing to FORMPIPE immediately after the Buy
... become aware of this.

If the Buyer fails to complain in accordance with this
... later date.

The Seller's liability shall in every respect be li
... products delivered only if the Buyer complains of au
... receipt of the product.

13. Liability for defects.
If FORMPIPE receives the complaint in time and it
... at the time of delivery and that FORMPIPE i
... FORMPIPE undertakes to replace, repair or re
... Moreover, FORMPIPE shall not be obliged to
... compensation whatsoever to the Buyer due to such

Attachments.

- Attachment(s) – Now support line level/details - Like order lines
- Option to specify which attachment(s) or entries from the Archive which should get added

Finance and Operations | Lasernet > Common > Reports

Save + New Delete Options

Filter

All reports

SalesConfirmReplacement

Attachments | Standard view | SALESCONFIRMREPLACEMENT

SalesConfirmReplacement Skip generic attachments ☐ No

Report attachments

+ New Delete Up Down

	Attachment reference table	Attachment from	Attach	Restriction	Type
<input checked="" type="checkbox"/>	SalesLine	From attachments	All	Internal	File

From attachments

From archive





Reserved

Attachments.

- Pick up existing documents from Archive
- Like when having the need to add customer invoice when running the Custaccount statement

Report attachments

+ New  Delete  Up  Down

<input type="radio"/>		Attachment reference table	Attachment from	Attach	Restriction	Type
<input checked="" type="radio"/>		CustInvoiceJour 	From archive 	Last 	External	File
				All		
				Last		
				First		

Review/approval.

Print destination settings

Lasernet Predefined

Lasernet Fax
Lasernet Custom...
Lasernet Email
Lasernet Print
Lasernet Screen
Print archive
Screen
Printer
File
Email

FALLBACK DESTINATION

Fallback destination

None

SETTINGS

PAGE RANGE

Copies

☒ ALL

1

☐ PAGES

From To

0

0

REVIEW BEFORE SENDING

Review before sending

☐ No

 Open Lasernet setup

OK

Review/approval.

1st First ◀ Previous Report 1 of 1 ▶ Last

1 af 1 🔍

Formpipe.

Confirmation

1 / 1
012851-18
Date 4/1/2022
Sales order 012851

Football Stadium
123 Red Road
106 91

Payment Julia Funderburk
Net 30 days

Deliver report Cancel

Destination

FAX

Fax
Test_delivery

Attachments

+ New Delete Open

☐ File name

Filter

Table
1 - Sales orders

[In review]SalesConfirmRe...
File
Sales orders

Attachments for Sales orders - Sales order: 012801, Football Stadium | Standard view

Description	Type	Attached
[In review]SalesConfirmRepla...	File	<input checked="" type="checkbox"/> Yes

General

DETAILS

Notes

[In review on report]
SalesConfirmReplacement
Lasernet archive id=
{519A533B-9483-4D5E-B38F-
826FAB3E5A61}}

CREATE

Created by
Admin

Created date and time
3/31/2022 04:12:52 PM

Restriction

External

Attachment

Preview

Review/approval.

Finance and Operations Lasernet > Common > Archive

Edit +New Delete Preview Review Resend Compare Download Lasernet Cloud print job st

Filter

☐ Pending review

Pending re...	Report name	Created date and time	↓	Destination
✓	SalesConfirmReplacement	3/31/2022 4:12:54 PM		Fax: 1234
	SalesConfirmReplacement	3/31/2022 4:09:41 PM		Fax: 1234
	SalesConfirmReplacement	3/31/2022 4:08:14 PM		Fax: 1234
✓	SalesConfirmReplacement	3/31/2022 4:07:49 PM		Fax: 1234
	SalesConfirmReplacement	3/31/2022 4:06:18 PM		Fax: 1234
	SalesConfirmReplacement	3/31/2022 4:05:50 PM		Fax: 1234

Review/approval.

Finance and Operations Lasernet > Common > Archive

Save Download Options

Standard view
Preview

First Previous Report 1 of 1 Last

1 of 1

Formpipe.

Confirmation

Date	1 / 1 012801-13
Sales order	3/31/2022 012801
Payment	Julia Funderburk Net 30 days

Football Stadium
123 Red Road
106 91
SWE

Destination

FAX

Fax
1234

Attachments

+ New Delete Open

☐ File name

Deliver report Cancel

Review/approval.

Filter

Table

1 - Sales orders

SalesConfirmReplacement_...
File
Sales orders

Attachments for Sales orders - Sales order: 012851, Football Stadium | Standard view

Description

Type

Attached

SalesConfirmReplacement_BE...
File

☒ Yes

General

DETAILS

Notes

CREATE

Created by

Admin

Created date and time

4/1/2022 04:23:06 PM

Restriction

External

Attachment

Preview

Formpipe

Confirmation

1 / 1

012851-15

4/1/2022

012851

Football Stadium

123 Red Road

106 91

Julia Funderburk

Auto creation documentation (FDD).

Finance and Operations | Lasernet > Common > Reports

Save + New Delete Journal Testing Setup Options

Configuration	Links	Replacement	Setup	Tools
Structure Data sources	Form links Alert links Query links	Replacement	Overlays Attachments Metadata (LTA) Images	Validate Refresh Copy/Rename Download query definition Generate report summary Compare

Search: SalesConfirm

	Origin	Report name	Report design name	Act
	SSRS report	SalesConfirm replaced with SalesCo...	Report	<input checked="" type="checkbox"/>
	Query	SalesConfirmReplacement	Custom query: SalesConfirmHeaderTmp	<input checked="" type="checkbox"/>

A purple arrow points from the 'Generate report summary' button in the Tools section to the 'Query' row in the table below.

Auto creation of FDD.

1	Report:	SalesConfirmReplacement				
2	Title:					
3	This document presents Lasernetet report data selection as query with relations and ranges and structure of individual report elements that go to XML file.					
4	Date:	3/30/2022				
5						
6	Data structure					
7	Datasource {Table}	Ralations and ranges				
8	Query: Query					
9	SalesConfirmHeaderTmp					
10	CustConfirmJour	OuterJoin 1:N > CustConfirmJour.ReclId=SalesConfirmHeaderTmp.JournalReclId				
11	DlvMode	OuterJoin 1:N > DlvMode.Code=CustConfirmJour.DlvMode				
12	HcmWorker	OuterJoin 1:N > HcmWorker.ReclId=CustConfirmJour.WorkerSalesTaker				
13	DirPerson	OuterJoin 1:N > DirPerson.ReclId=HcmWorker.Person				
14	SalesTable	OuterJoin 1:N > SalesTable.SalesId=CustConfirmJour.SalesId				
15	Query: Query					
16	SysDocuBrandDetailsRegular					
17	Query: Query					
18	SalesConfirmDetailsTmp					
19	CustConfirmTrans	OuterJoin 1:N > CustConfirmTrans.ReclId=SalesConfirmDetailsTmp.LACTransRefReclId				
20	DocuRef	OuterJoin 1:N > DocuRef.RefReclId=CustConfirmTrans.ReclId; DocuRef.RefTableId=CustConfirmTrans.TableId				
21						
22	Query fields					
23	Datasource {Table}	Field/method {Label}				
24	Query: Query					
25	SalesConfirmHeaderTmp	DeliveryAddress (Address)				
26	SalesConfirmHeaderTmp	DeliveryName (Name)				
27	SalesConfirmHeaderTmp	ConfirmDocNum (Confirmation)				
28	SalesConfirmHeaderTmp	ConfirmDate (Date)				
29	SalesConfirmHeaderTmp	SalesId (Sales order)				
30	SalesConfirmHeaderTmp	CustomerRef (Customer reference)				
84	Section	Output	Element	Full path	Cu	Mapp
85	SalesConfirmDetailsTmp	LABEL_SalesConfirmDetailsTmp_Amount	LanguageText:Amount	Report/Sal	No	
86	SalesConfirmDetailsTmp	LABEL_SalesConfirmDetailsTmp_CashDiscAmount	LanguageText:Cash discount amount	Report/Sal	No	
87	SalesConfirmDetailsTmp	LABEL_SalesConfirmDetailsTmp_CurrencyCode	LanguageText:Currency	Report/Sal	No	
88	SalesConfirmDetailsTmp	LABEL_SalesConfirmDetailsTmp_DiscAmount	LanguageText:Discount	Report/Sal	No	
108	Detail_Collection					
109	Detail	FIELD_SalesConfirmDetailsTmp_Amount	SalesConfirmDetailsTmp.Amount	Report/Sal	No	
110	Detail	FIELD_SalesConfirmDetailsTmp_CashDiscAmount	SalesConfirmDetailsTmp.CashDiscAmount	Report/Sal	No	
111	Detail	FIELD_SalesConfirmDetailsTmp_CurrencyCode	SalesConfirmDetailsTmp.CurrencyCode	Report/Sal	No	

Resend with force-rerun

Resend with force-rerun

Edit New Delete Preview Review Resend Compare Download Lasernet Cl

Filter

☐ Pending review

Pending review	Report name	Created date and time	Destination
	SalesConfirmReplacement	4/5/2022 3:59:52 AM	Fax: 1234
	SalesConfirmReplacement	4/5/2022 3:59:52 AM	Fax: 1234
	SalesConfirmReplacement	4/5/2022 3:59:16 AM	Fax: 1234
	SalesConfirmReplacement	4/5/2022 3:59:16 AM	Fax: 1234
	SalesConfirmReplacement	4/5/2022 3:58:18 AM	Fax: 1234
	SalesConfirmReplacement	4/5/2022 3:58:18 AM	Fax: 1234
	SalesConfirmReplacement	4/5/2022 3:57:30 AM	Fax: 1234
	SalesConfirmReplacement	4/5/2022 3:57:30 AM	Fax: 1234
	SalesConfirmReplacement	4/5/2022 3:56:58 AM	Fax: 1234
	SalesConfirmReplacement	4/5/2022 3:55:47 AM	Fax: 1234
	SalesConfirmReplacement	4/5/2022 3:55:47 AM	Fax: 1234
	SalesConfirmReplacement	4/5/2022 3:55:02 AM	Fax: 1234
	SalesConfirmReplacement	4/5/2022 3:55:02 AM	Fax: 1234
✓	SalesConfirmReplacement	4/4/2022 3:31:17 PM	Screen

Print destination settings

- Lasernet Predefi...
- Lasernet Fax
- Lasernet Custom...
- Lasernet Email
- Lasernet Print
- Lasernet Screen

To


Cc

Bcc

Subject

Archive – Reduce size.

Information are required to ensure proper force-rerun/resend of document



Operations Preview | Lasernet > Common > Reports

New Delete Preview Review Resend Download Lasetnet Cloud print job status Optimize Lasetnet log Download configuration

Filter

ending review

ing review	Report name	Created date and time	Destination
	CustListReportReplacement	3/15/2022 8:41:16 AM	Fax: 1234
	CustListReportReplacement	3/15/2022 8:40:43 AM	Screen
	CustListReportReplacement	3/15/2022 8:40:04 AM	Fax: 1234
	CustListReportReplacement	3/15/2022 8:39:29 AM	Fax: 1234
	CustListReportReplacement	3/15/2022 8:39:12 AM	Fax: 1234
	CustListReportReplacement	3/15/2022 8:39:04 AM	Fax: 1234
	CustListReportReplacement	3/15/2022 8:38:57 AM	Fax: 1234

Lasernet Log | Standard view | CUSTLISTREPORTREPLA

CustListReportReplacement_FC1613

General

SYSTEM

Archive name
CustListReportReplacement_FC...

Report name
CustListReportReplacement

Created date and time
3/15/2022 08:40:43 AM

Created by
kim

Resend data size
10.2 KB

Resend
☐ No

Copy
☒ Yes

Pending review
☐ No

Save in
In database

Format

Destination

Reference

Additional information	Additional information
Customers	1003

Print destination settings


- Lasernet Fax
- Lasernet Email
- Lasernet Print
- Lasernet Screen

PROCESSING OPTIONS

Force rerun
☐ No

Archive – Reduce size.

- Size of records within the Archive has been lowered



Operations Preview | Lasernet > Common > Reports

New Delete Preview Review Resend Download Lasernet Cloud print job status Optimize Lasernet log Download configuration

Filter

ending review

g review	Report name	Created date and time	Destination
	CustListReportReplacement	3/15/2022 8:41:16 AM	Fax: 1234
	CustListReportReplacement	3/15/2022 8:40:43 AM	Screen
	CustListReportReplacement	3/15/2022 8:40:04 AM	Fax: 1234
	CustListReportReplacement	3/15/2022 8:39:29 AM	Fax: 1234
	CustListReportReplacement	3/15/2022 8:39:12 AM	Fax: 1234
	CustListReportReplacement	3/15/2022 8:39:04 AM	Fax: 1234
	CustListReportReplacement	3/15/2022 8:38:57 AM	Fax: 1234

Lasernet Log | Standard view | CUSTLISTREPORTREPLA

CustListReportReplacement_FC1613

General

SYSTEM

Archive name
CustListReportReplacement_FC...

Report name
CustListReportReplacement

Created date and time
3/15/2022 08:40:43 AM

Created by
kim

Resend data size
10.2 KB

Resend
☐ No

Copy
☒ Yes

Pending review
☐ No

Save in
In database

Format

Destination

Reference

Additional information	Additional information
Customers	1003

Print destination settings

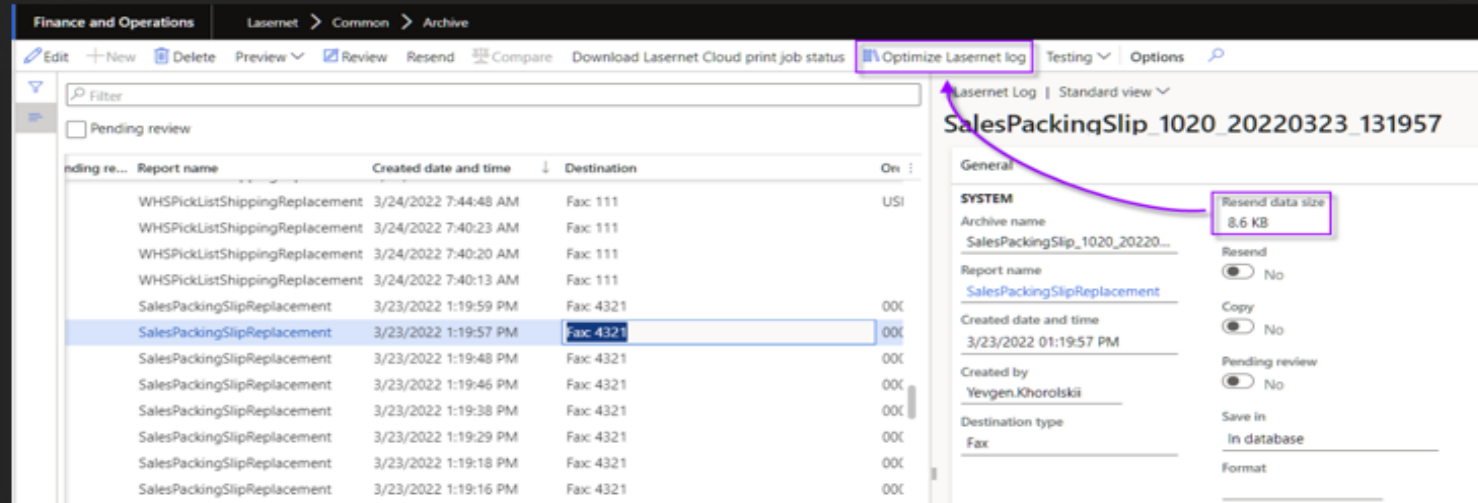
- Lasernet Fax
- Lasernet Email
- Lasernet Print
- Lasernet Screen

PROCESSING OPTIONS

Force rerun
☐ No

Archive.

- Option to delete or shrink existing entries in the Archive



The screenshot displays the 'Archive' section of the 'Finance and Operations' application. The top navigation bar includes 'Finance and Operations', 'Lasernet', 'Common', and 'Archive'. The main menu contains 'Edit', 'New', 'Delete', 'Preview', 'Review', 'Resend', 'Compare', 'Download Lasernet Cloud print job status', 'Optimize Lasernet log', 'Testing', and 'Options'. A search filter is present above a table of archived reports. The table has columns for 'Report name', 'Created date and time', 'Destination', and 'On'. One report, 'SalesPackingSlipReplacement', is selected, and its details are shown in the right-hand pane. The details pane includes a 'SYSTEM' section with 'Archive name' (SalesPackingSlip_1020_20220323_131957), 'Report name' (SalesPackingSlipReplacement), 'Created date and time' (3/23/2022 01:19:57 PM), 'Created by' (Yevgen.Khorolskii), 'Destination type' (Fax), and 'Format'. A 'Resend data size' of 8.6 KB is also displayed.

Report name	Created date and time	Destination	On
WHSPickListShippingReplacement	3/24/2022 7:44:48 AM	Fax: 111	USI
WHSPickListShippingReplacement	3/24/2022 7:40:23 AM	Fax: 111	
WHSPickListShippingReplacement	3/24/2022 7:40:20 AM	Fax: 111	
WHSPickListShippingReplacement	3/24/2022 7:40:13 AM	Fax: 111	
SalesPackingSlipReplacement	3/23/2022 1:19:59 PM	Fax: 4321	000
SalesPackingSlipReplacement	3/23/2022 1:19:57 PM	Fax: 4321	000
SalesPackingSlipReplacement	3/23/2022 1:19:48 PM	Fax: 4321	000
SalesPackingSlipReplacement	3/23/2022 1:19:46 PM	Fax: 4321	000
SalesPackingSlipReplacement	3/23/2022 1:19:38 PM	Fax: 4321	000
SalesPackingSlipReplacement	3/23/2022 1:19:29 PM	Fax: 4321	000
SalesPackingSlipReplacement	3/23/2022 1:19:18 PM	Fax: 4321	000
SalesPackingSlipReplacement	3/23/2022 1:19:16 PM	Fax: 4321	000

Lasernet log optimizer. Optimizes sizes of LACArchive and LACArchiveResendData tables.

Parameters

LACArchiveResendData table holds resend information required for re-processing (force-resend) archived reports. This information is quite big and table has tendency to grow big. Here you can setup shrink or cleanup task. Shrink will attempt to reduce size of re-processing data. Delete will clean up re-processing. By deleting data you will loose ability to re-process (force-resend) reports on these old archives. Basic resend will still work.

Current table status at SQL server:
Name = LACARCHIVERESEDDATA
Rows = 3607
Reserved = 39816 KB
Data = 38504 KB
IndexSize = 472 KB
Unused = 840 KB

Cross company

☐ No

☒ DELETE RE-PROCESSING DATA (LACARCHIVERESEDDATA)

Archive age (in days)

☐ SHRINK RE-PROCESSING DATA (LACARCHIVERESEDDATA)

Archive – Reduce size

Reduce size

Finance and Operations | Lasernet > Setup > Parameters | USRT

Edit Options

Standard view ▾

Lasernet parameters

General | Performance | Email

Set up Lasernet plugin parameters

Default values

[Clear cache](#) [Create cleanup batch job](#) [Clean up buffer for temporary tables](#) [Expression function](#) [Culture info adjustment](#) [Optimize Lasernet log](#)

[Allow resend to predefined de](#)

Disabling saving of information required for resend

Reports | Standard view ▾

Archive

Archive Default ▾	Subfolder mask ARYM	Allow forced rerun On forms and archive ▾
Destinations to archive Last ▾	Report life span ▾	On forms
Table for archive CustConfirmJour ▾	Save XML <input checked="" type="checkbox"/> Yes	On archive
		On forms and archive
		<input type="radio"/> No

Backup (Export / Import).

- Option to schedule the backup
 - To ensure a backup of the data exists
 - Provide the option for automatically moving the reports across environments
 - Re-import after restore

Query	Backup
Query wizard	Export report backup
Dialog setup	Import report backup
Run report	Copy report to other companies

Export report backup

Endpoint type
Lasernet Connection

Connection
Azure Storage

Compress backup
☒ Yes

Static filename
☐ No

Export report backup

Run in the background

Recurrence Alerts

Batch processing
☒ Yes

Task description
Export report backup

Batch group
▼

Backup (Key)			
Blob Containers			
\$logs			
backup			
lasernet			
...			
Active blobs (default)			
backup			
Name	Access Tier	Access Tier Last Modified	Last Modified
MoveBetweenDEV	Hot (inferred)		16/3/2022 10:46:33

Auto update after upgrading.

Finance and OperationsLasernet > Setup > Parameters

EditOptions

Standard view ▾

Lasernet parameters

General

Performance

Email

License terms

Version

Install / Upgrade tasks

Lasernet Install / Upgrade tasks

Lasernet will automatically schedule a new batch job called 'Lasernet Install/Upgrade' whenever it detects a version-change

General

[Run Lasernet Install/Upgrade tasks](#)

Current Lasernet version

6.17.0.2203142

Current D365FO Application vers...

7.0.6129.38

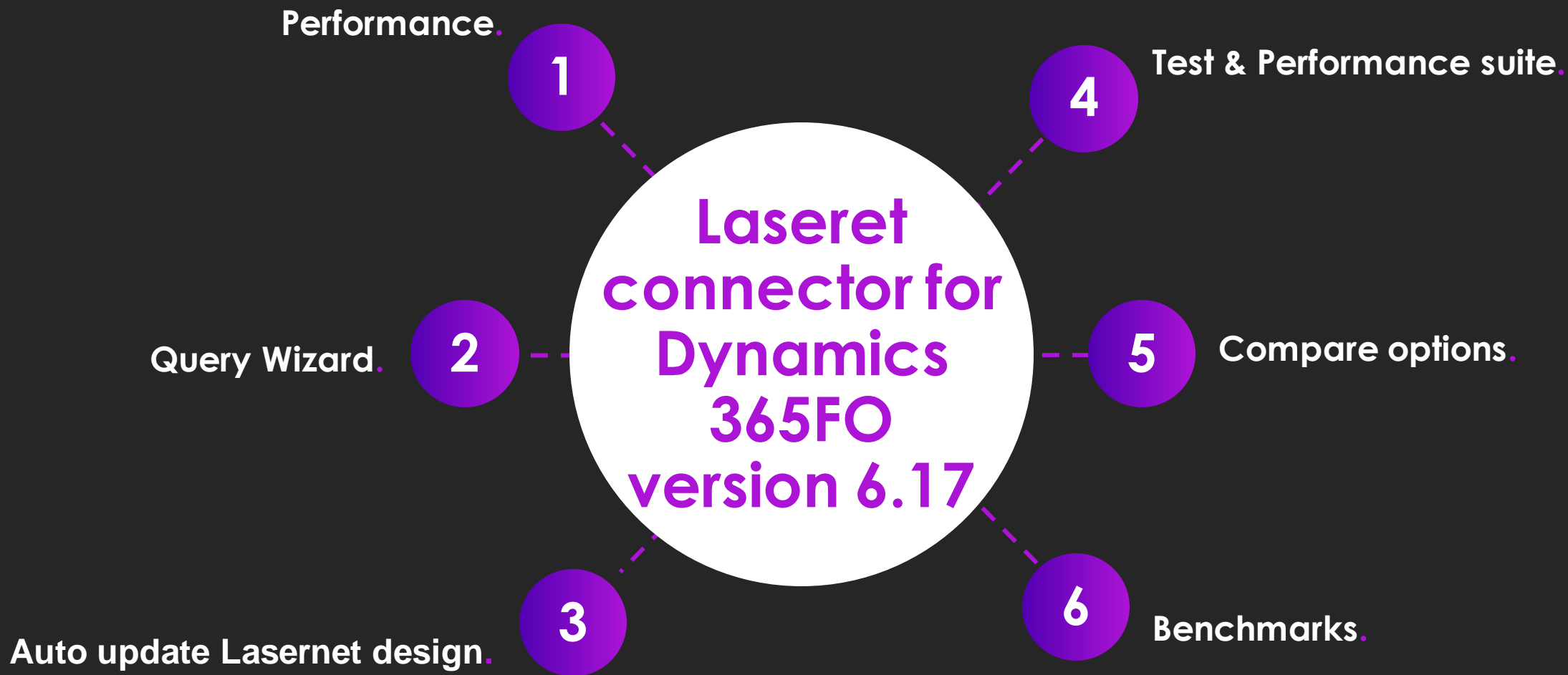
Completed Install/Upgrade tasks

[+ New](#) [Delete](#)

ID	Lasernet version	D365FO Application version
LACInstallUpgradeTask	6.17.0.2203142	7.0.6129.38
LACSelectionUpgradeV6_17_0	6.17.0.2203142	7.0.6129.38



Pause - 5 minutes break.





Performance 6.17.

March release - Highlights

- Performance
- Many new features within the Query Wizard
- Improvements of the module **Test & Performance Suite**



New options within the Query Wizard.

- Option to add report parameters into XML
- Option to add labels directly within the Wizard
- New search options – Across or for specific table
- Search for already selected fields
- Copy/move of data-sources / table
- Query links (similar to sub-report)
- Copy query
- New option for labels (Top, Each ,First, Hide)
- Option to skip data-source / table in the output
- Option to automatically convert sub-reports into query
- Option to “flatten” the output (Min, Medium, Max)

Option to add parameters for the Report.

Query Group by

SalesConfirmHeaderTmp

CustConfirmJour

DivMode

SalesTable

SysDocuBrandDetailsRegular (Hidden)

SalesConfirmDetailsTmp

PROPERTIES

Property	Value	Ac...
Parameters	Yes	<input checked="" type="checkbox"/>
Language texts	No	<input type="checkbox"/>
Layout	Default	
Labels	Labels in report	

Parameters standard Report

```
</ InvenTable>
- <Parameters>
- <Parameters>
  <Datenumbr_format_language>en-us</ Datenumbr_format_language>
  <Language>en-us</ Language>
  <SalesConfirmReportAX_CompanyName>USRT</ SalesConfirmReportAX_CompanyName>
  <SalesConfirmReportAX_PartitionKey>initial</ SalesConfirmReportAX_PartitionKey>
  <SalesConfirmReportAX_RdpPreProcessedId>68719541998</ SalesConfirmReportAX_RdpPreProcessedId>
  <SalesConfirmReportAX_RenderingCulture>en-us</ SalesConfirmReportAX_RenderingCulture>
  <SalesConfirmReportCreatedTransactionId>0</ SalesConfirmReportCreatedTransactionId>
  <SalesConfirmReportDocumentTitle>Confirmation</ SalesConfirmReportDocumentTitle>
  <SalesConfirmReportFormLetterRecordId>68719527842</ SalesConfirmReportFormLetterRecordId>
  <SalesConfirmReportRecordId>68719489645</ SalesConfirmReportRecordId>
</ Parameters>
```

Parameters Query Report

```
</ InvenTable>
- <Parameters>
- <Parameters>
  <Datenumbr_format_language>en-us</ Datenumbr_format_language>
  <Language>en-us</ Language>
  <dlg_FromDate>2022-03-14</ dlg_FromDate>
  <dlg_ItemNumber>0002</ dlg_ItemNumber>
  <dlg_toDate>2022-01-01</ dlg_toDate>
</ Parameters>
- <Queries>
```


Option to add Labels within the Query Wizard.

Query Group by

SalesConfirmHeaderTmp

CustConfirmJour

DlvMode

SalesTable

SysDocuBrandDetailsRegular (Hidden)

SalesConfirmDetailsTmp

PROPERTIES

Property	Value	Ac...
Parameters	Yes	<input checked="" type="checkbox"/>
Language texts	No	<input type="checkbox"/>
Layout	Default	
Labels	Labels in report	

Labels in report

es and then, if required, in the list of related tables.

Selected tables

Relation/Layout

Load from report...

Copy/Link query

Data sources

Query Group by

SalesConfirmHeaderTmp

CustConfirmJour

PROPERTIES

Property	Value
Parameters	Yes
Language texts	No
Layout	Default
Labels	Labels in report

Labels

+ New

Delete

Load defaults

Text ID	Text
@SYS7377	Data source
@SYS936	String 255
@SYS809	CompanyInfo
@SYS12529	CustConfirmJour
@SYS7402	CustConfirmTrans
@SYS9694	DlvMode
@SYS23010	EcoResSize
@SYS32066	InventDim
@SYS23422	
@SYS969	Tax registration num
@SYS7572	Currency
@SYS21950	Amount origin
@SYS81383	Document title
@SYS8172	Round-off
@SYS12227	Amount

Language text/label

Language text

Search

is exactly

In the language

en-us

System labels

Language text

+ New

Delete

Text ID	Text
@GLS220898	Prepaid amount in euros
@SYP4882000	This invoice originates from a b...
@SYS10042	Cash discount date
@SYS10178	Ship date
@SYS106366	Your reference
@SYS10946	Cash discount amount

OTHER LANGUAGES

Layout.

Maximum

SalesConfirmDetailsTmp
Detail_Collection
Detail
CustConfirmTrans
Detail_Collection
Detail

Medium

SalesConfirmHeaderTmp
Detail
CustConfirmJour
SysDocuBrandDetailsRegular
SalesConfirmDetailsTmp
Detail
CustConfirmTrans
Detail

Minimum

Report
FPHeaderLabels
SalesConfirmHeaderTmp
CustConfirmJour
SysDocuBrandDetailsRegular
SalesConfirmDetailsTmp
CustConfirmTrans

Selected tables

Relation/Layout Load from report... Copy/Link query ↑ ↓ Copy/M

Filter

→

+

←

←

Data sources

Query

SalesConfirmHeaderTmp

SysDocuBrandDetailsRegular

SalesConfirmDetailsTmp

PROPERTIES

Property	Value	Ac...
Parameters	No	<input type="checkbox"/>
Language texts	No	<input type="checkbox"/>
Layout	Maximum	
Labels	Layout	


Maximum

Medium

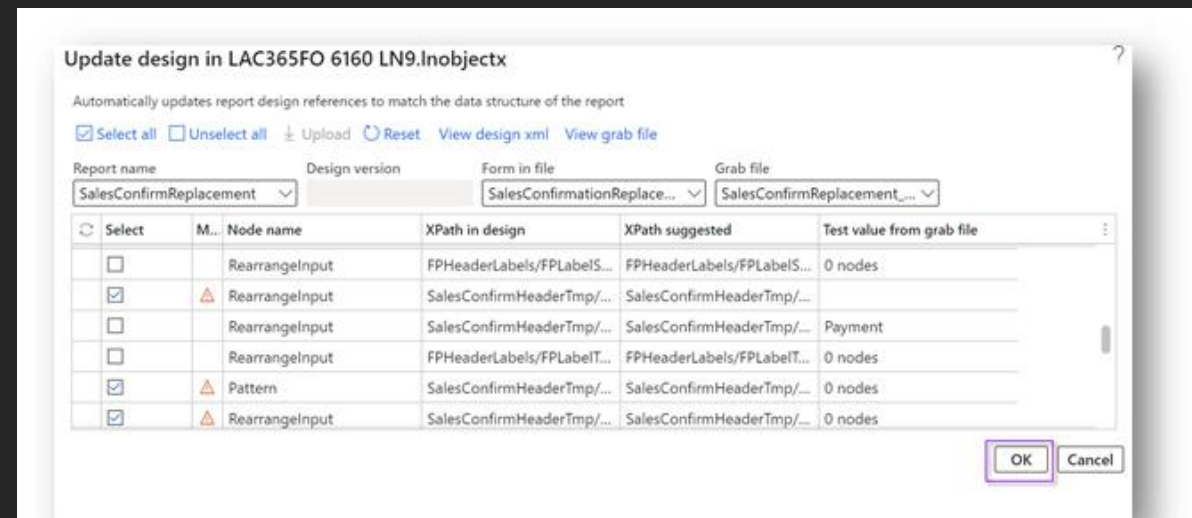
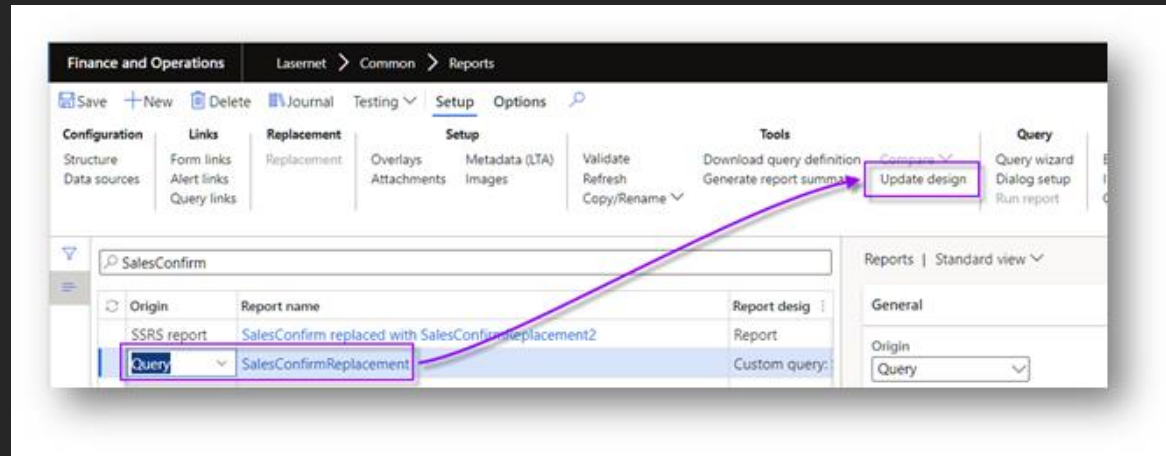
Minimum

Layout.

File size when running report containing 1000 order lines
Maximum versus Minimum in the structure

 Maximum_structure_and_label_for_each_datasource.XML	06-04-2022 09:48	XML Document	3.482 KB
 Minimum_structure_and_label_TOP.XML	06-04-2022 09:47	XML Document	2.245 KB

Auto update Lasernet design.



Layout.

Automatically updates report design references to match the data structure of the report

☒ Select all
 ☐ Unselect all
 [Upload](#)
[Reset](#)
[View design xml](#)
[View grab file](#)

Report name:
 Design version:
 Form in file:
 Grab file:

Select	M..	Node name	XPath in design	XPath suggested
<input type="checkbox"/>		RearrangeInput	SalesConfirmDetailsTmp/LABEL_SalesConfirmDetailsTmp_TaxCode	SalesConfirmDetailsTmp/LABEL_SalesConfirmDetailsTmp_TaxCode
<input type="checkbox"/>		Pattern	SalesConfirmHeaderTmp/Detail_Collection/Detail/FIELD_SalesConfirmHeaderTmp_FormLetterRemarks	SalesConfirmHeaderTmp/Detail_Collection/Detail/FIELD_SalesConfir...
<input type="checkbox"/>		RearrangeInput	FPHeaderLabels/FPLabelNumber/text()	FPHeaderLabels/FPLabelNumber/text()
<input type="checkbox"/>		RearrangeInput	SalesConfirmDetailsTmp/LABEL_SalesConfirmDetailsTmp_TaxBaseQty	SalesConfirmDetailsTmp/LABEL_SalesConfirmDetailsTmp_TaxBaseQty
<input type="checkbox"/>		RearrangeInput	SalesConfirmDetailsTmp/LABEL_SalesConfirmDetailsTmp_PrintCode	SalesConfirmDetailsTmp/LABEL_SalesConfirmDetailsTmp_PrintCode
<input type="checkbox"/>		RearrangeInput	SalesConfirmDetailsTmp/LABEL_SalesConfirmDetailsTmp_SalesPrice	SalesConfirmDetailsTmp/LABEL_SalesConfirmDetailsTmp_SalesPrice
<input type="checkbox"/>		RearrangeInput	SalesConfirmHeaderTmp/Detail_Collection/Detail/CustConfirmJour/LABEL_CustConfirmJour_RoundOff	SalesConfirmHeaderTmp/Detail_Collection/Detail/CustConfirmJour/L...
<input type="checkbox"/>		RearrangeInput	SalesConfirmHeaderTmp/Detail_Collection/Detail/FIELD_SalesConfirmHeaderTmp_SalesId/text()	SalesConfirmHeaderTmp/Detail_Collection/Detail/FIELD_SalesConfir...

Automatically updates report design references to match the data structure of the report

☒ Select all
 ☐ Unselect all
 [Upload](#)
[Reset](#)
[View design xml](#)
[View grab file](#)

Report name:
 Design version:
 Form in file:
 Grab file:

Select	M..	Node name	XPath in design	XPath suggested
<input checked="" type="checkbox"/>	⚠	RearrangeInput	SalesConfirmHeaderTmp/LABEL_SalesConfirmHeaderTmp_SalesId	Labels/LABEL_Sales_order
<input type="checkbox"/>		RearrangeInput	FPHeaderLabels/FPLabelOurRef/text()	FPHeaderLabels/FPLabelOurRef/text()
<input checked="" type="checkbox"/>	⚠	RearrangeInput	SalesConfirmDetailsTmp/LABEL_SalesConfirmDetailsTmp_DiscAmount	Labels/LABEL_Discount
<input checked="" type="checkbox"/>	⚠	RearrangeInput	SalesConfirmHeaderTmp/Detail_Collection/Detail/FIELD_SalesConfirmHeaderTmp_CustomerRef/text()	SalesConfirmHeaderTmp/FIELD_SalesConfirmHeaderTmp_Cust...
<input checked="" type="checkbox"/>	⚠	RearrangeInput	SalesConfirmDetailsTmp/LABEL_SalesConfirmDetailsTmp_PrintCode	Labels/LABEL_Print_code
<input checked="" type="checkbox"/>	⚠	RearrangeInput	SalesConfirmHeaderTmp/Detail_Collection/Detail/CustConfirmJour/LABEL_CustConfirmJour_CurrencyC...	Labels/LABEL_Currency1
<input checked="" type="checkbox"/>	⚠	RearrangeInput	SalesConfirmHeaderTmp/Detail_Collection/Detail/FIELD_SalesConfirmHeaderTmp_PaymentCondition	SalesConfirmHeaderTmp/FIELD_SalesConfirmHeaderTmp_Pay...
<input checked="" type="checkbox"/>	⚠	RearrangeInput	SalesConfirmDetailsTmp/LABEL_SalesConfirmDetailsTmp_Qty	Labels/LABEL_Quantity
<input checked="" type="checkbox"/>	⚠	RearrangeInput	SalesConfirmDetailsTmp/LABEL_SalesConfirmDetailsTmp_TaxAmountMST	Labels/LABEL_Sales_tax_amount1
<input checked="" type="checkbox"/>	⚠	Pattern	SalesConfirmHeaderTmp/Detail_Collection/Detail/CustConfirmJour/Detail_Collection/Detail/FIELD_Cust...	SalesConfirmHeaderTmp/CustConfirmJour/FIELD_CustConfirm...
<input type="checkbox"/>		RearrangeInput	FPHeaderLabels/FPLabelPage/text()	FPHeaderLabels/FPLabelPage/text()
<input type="checkbox"/>		RearrangeInput	FPHeaderLabels/FPLabelRequisition/text()	FPHeaderLabels/FPLabelRequisition/text()
<input checked="" type="checkbox"/>	⚠	Pattern	SalesConfirmDetailsTmp/Detail_Collection/Detail/FIELD_SalesConfirmDetailsTmp_Notes	SalesConfirmDetailsTmp/FIELD_SalesConfirmDetailsTmp_Notes
<input checked="" type="checkbox"/>	⚠	Pattern	SalesConfirmHeaderTmp/Detail_Collection/Detail/CustConfirmJour/Detail_Collection/Detail	SalesConfirmHeaderTmp/CustConfirmJour

Benchmark.

Performance 6.17

- Gain around 20-30% better performance
- Convert sub-reports to gain even better performance

Search results

+ New Delete Up Down Sort by Move Copy Tools

<input type="radio"/>	<input type="radio"/>	Visible	Condition	Name	Output	Convert to query link
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	None	FPSubreportItemDi...	FPSubreportItemDimension	SubReport:FP_InventTrans

- ▲ Data sources
 - ▲ Query
 - ▲ InventTransOrigin
 - ▲ InventTrans
 - ▲ InventDim
 - InventBatch



Benchmarks.

Subreport

- ▲ Data sources
 - ▲ Query
 - ▲ InventTransOrigin
 - ▲ InventTrans
 - ▲ InventDim
 - InventBatch

Number of threads	When using subreport	After onverting subreport into Query
1	Each report: 19078 ms. Total time: 3 min 52 sec.	Each report: 6845 ms. Total time: 1 min 23 sec.
2	Each report: 18434 ms. Total time: 1 min 52 sec.	Each report: 7128 ms. Total time: 43 sec.
4	Each report: 18858 ms. Total time: 58 sec.	Each report: 8661 ms. Total time: 27 sec.
8	Each report: 26373 ms. Total time: 55 sec.	Each report: 12490 ms. Total time: 19 sec.

Search for fields (Across or specific table).

Finance and Operations Preview | Lasernet > Common > Reports

Report Wizard: SalesConfirmReplacement | Standard view

Wizard for creation of a report

- Query source
- Tables
- Select fields
- Sort fields
- Range
- Group data in files
- Create report

Choose fields to show in your report. You will be able to add fields in Elements form, but from query.

Available fields

Filter

SalesConfirmHeaderTmp

Data source

CompanyInfo

CustConfirmJour

CustConfirmTrans

DlvMode

SalesConfirmDetailsTmp

SalesConfirmHeaderTmp

CompanyBankAccountName

CompanyBankAccountNum

Selected fields

Load from report...

Filter

SalesConfirmHeaderTmp

DeliveryAddress (Group by)

DeliveryName (Group by)

ConfirmDocNum (Group by)

ConfirmDate (Group by)

SalesId (Group by)

CustomerRef (Group by)

SalesAdministrator (Group by)

PurchaseOrder (Group by)

CompanyCoRegNum (Group by)

All tables

Filter

SalesConfirmHeaderTmp

CustConfirmJour

SysDocuBrandDetailsRegular

SalesConfirmDetailsTmp

CustConfirmTrans

Search for field

Choose fields to show in your report. You will be able to add fields in Elements form, from query.

Available fields

Filter

SalesConfirmDetailsTmp

SalesConfirmDetailsTmp

Amount

CashDiscAmount

ConfirmTransOrTax

createdBy

createdTransactionId

CurrencyCode

Selected fields

Load from report...

Filter

ItemId

RecId (Group by)

DlvMode

Txt (Group by)

SalesTable

SysDocuBrandDetailsRegular (Hidden)

SalesConfirmDetailsTmp

Amount (Group by)

CashDiscAmount (Group by)

Query links and copy/move of data-source.

Query link

Selected tables

Relation/Layout Load from report... Copy/Link query ↑ ↓ Copy/Move ▾

Filter

- Data sources
- + Query
 - ← SalesConfirmHeaderTmp
 - CustConfirmJour
 - SysDocuBrandDetailsRegular
 - ← SalesConfirmDetailsTmp
 - CustConfirmTrans
 - Query_1 (Linked from SalesConfirmInventDimension)

Copy/Link query

Copy or link query from other report

Host report: SalesConfirmReplacement Destination anchor data source: CustConfirmTrans

Source report: SalesConfirmInventDimension Source query: Query Link (updates query on source chan...): Yes

Keep original output names: Yes Synchronize custom elements: Yes Create element for main query: Yes

Name mapping

Object type	Original name	Name in SalesConfirmReplacement
Query	Query	Query_1
Data source	EcoResSize	EcoResSize
Data source	InventDim	InventDim
Data source	InventTrans	InventTrans
Data source	InventTransOrigin	InventTransOrigin

Copy/Move data source

Selected tables

Relation/Layout Load from report... Copy/Link query ↑ ↓ Copy/Move ▾ Labels

Filter

- Data sources
- + Query Group by
 - ← SalesConfirmHeaderTmp
 - CustConfirmJour
 - DivMode
 - SalesTable
 - SysDocuBrandDetailsRegular (Hidden)
 - ← SalesConfirmDetailsTmp
 - CustConfirmTrans

Copy/Move data source

Data source: CustConfirmJour

Insert after: SalesConfirmHeaderTmp

Include nested: Yes

Copy Move

Improved label control

Filter

Query Group by

SalesConfirmHeaderTmp

CustConfirmJour

DivvMode

SalesTable

SysDocuBrandDetailsRegular (Hidden)

SalesConfirmDetailsTmn

PROPERTIES

Property	Value	Ac...
Name	Query	
Enabled	Yes	<input checked="" type="checkbox"/>
Group by	Yes	<input checked="" type="checkbox"/>
Cross-company	No	<input type="checkbox"/>
Disable cache	No	<input type="checkbox"/>
Data sources	SalesConfirmHeaderTmp,Cust...	
Query in SQL	SELECT T1.DELIVERYADDRESS,...	
Create element	Yes	<input checked="" type="checkbox"/>
Show labels on	FirstDataSourceNode	
Labels	Show labels on	

Indicates how labels must be processed. Some o

Top

EachDataSourceNode

```
-<Detail>
  <LACQueryRecord_DONOT_CHANGE_SalesTable>1</ LACQueryRecord_DONOT_CHANGE_SalesTable>
  <FIELD_SalesTable_RecId>5637150576</ FIELD_SalesTable_RecId>
  <FIELD_SalesTable_SalesId>000001</ FIELD_SalesTable_SalesId>
  -<SalesLine>
    <LABEL_SalesLine_RecId>Record ID</ LABEL_SalesLine_RecId>
    <LABEL_SalesLine_SalesId>Sales order</ LABEL_SalesLine_SalesId>
    +<Detail_Collection>
      </ SalesLine>
    </ Detail>
  -<Detail>
    <LACQueryRecord_DONOT_CHANGE_SalesTable>6</ LACQueryRecord_DONOT_CHANGE_SalesTable>
    <FIELD_SalesTable_RecId>5637150577</ FIELD_SalesTable_RecId>
    <FIELD_SalesTable_SalesId>000002</ FIELD_SalesTable_SalesId>
    -<SalesLine>
      <LABEL_SalesLine_RecId>Record ID</ LABEL_SalesLine_RecId>
      <LABEL_SalesLine_SalesId>Sales order</ LABEL_SalesLine_SalesId>
```

FirstDataSourceNode

```
-<Detail>
  <LACQueryRecord_DONOT_CHANGE_SalesTable>1</ LACQueryRecord_DO
  <FIELD_SalesTable_RecId>5637150576</ FIELD_SalesTable_RecId>
  <FIELD_SalesTable_SalesId>000001</ FIELD_SalesTable_SalesId>
  -<SalesLine>
    <LABEL_SalesLine_RecId>Record ID</ LABEL_SalesLine_RecId>
    <LABEL_SalesLine_SalesId>Sales order</ LABEL_SalesLine_SalesId>
    +<Detail_Collection>
      </ SalesLine>
    </ Detail>
  -<Detail>
    <LACQueryRecord_DONOT_CHANGE_SalesTable>6</ LACQueryRecord_DO
    <FIELD_SalesTable_RecId>5637150577</ FIELD_SalesTable_RecId>
    <FIELD_SalesTable_SalesId>000002</ FIELD_SalesTable_SalesId>
    -<SalesLine>
      -<Detail_Collection>
        -<Detail>
```

Top

```
-<Labels>
  <LABEL_Record_ID>Record ID</ LABEL_Record_ID>
  <LABEL_Sales_order>Sales order</ LABEL_Sales_order>
  <LABEL_Record_ID1>Record ID</ LABEL_Record_ID1>
  <LABEL_Sales_order1>Sales order</ LABEL_Sales_order1>
</ Labels>
-<SalesTable>
  -<Detail_Collection>
    -<Detail>
```


Test & Performance suite.

- Option to multiplying lines when replicate test data
 - Useful when having the need for benchmarking performance
 - Especially useful when a need to test with many records (high load)

LAC - Replicate test data (multithread batch)

Sales Purchase Run in the background

Create sales orders
☒ Yes

Number of records per task

Sales order

Confirmation
☒ Yes

Lines multiplier

Packing slip
☐ No

Number of tasks/threads

Invoice
☐ No

- Option to apply a description to the 'Performance review' (minor but useful)
 - Useful for identifying the test-combinations
- Option for running the std. Performance-Test within a batch-task
 - Useful in case of a requirement to identify slow performance when running in batch

Compare Query definition.

Finance and Operations | Lasernet > Common > Reports | USRT

Save + New Delete Journal Testing Setup Options

Configuration Links Replacement Setup Tools

Structure Form links Replacement Overlays Metadata (LTA) Validate Download query definition Compare
Data sources Alert links Query links Attachments Images Refresh Generate report summary Query definition

Copy/Rename

Search: SalesConfirm

	Origin	Report name	Report design name	Active
	SSRS report	SalesConfirm replaced with SalesConfirmReplacement	Report	<input checked="" type="checkbox"/>
	Query	SalesConfirmReplacement	Custom query: SalesConfirmHeaderTmp	<input checked="" type="checkbox"/>
	Query	SalesConfirmReplacement_Backup	Custom query: SalesConfirmHeaderTmp	<input type="checkbox"/>

Result

Compare Query definition

☒ Show only changes

Legend: Added Removed Changed Moved from Moved to Ignored

SalesConfirmReplacement

```
<Field parmClassName=""  
  parmSortNo="32"  
  parmNestedTopTableName=""  
  parmNestedFieldName=""  
  parmGroupByOverPartitionBy=""  
  parmGroupByOverOrderBy=""  
  parmGroupByMod="0"  
  isMethod="Yes"  
  parmLabelOverridden="false"  
  parmLabel="@SYS320666"  
  parmDirectSQL=""  
  parmGroupByFunction="Group by"  
  parmDisabled="No"  
  parmName="name()"  
  parmTableName="HcmWorker"  
  parmDsName="HcmWorker"  
  parmFieldName="name()"/>
```

SalesConfirmReplacement_Backup

```
<Field parmClassName=""
```


Compare entries within the Archive.

ce and Operations				
Lasernet > Common > Reports				
ve + New Delete Preview Review Resend Compare Download Lasernet Cloud				
Filter				
<input type="checkbox"/> Pending review				
Pending review	Report name	Created date and time	Destination	
✓	SalesConfirmReplacement	4/5/2022 10:26:24 AM	Screen	
	SalesConfirmReplacement	4/5/2022 8:43:03 AM	Screen	
	SalesConfirmReplacement	4/5/2022 8:42:19 AM	Screen	

Result

Compare Lasernet Log

☒ Show only changes

SalesPackingSlip_1021_20220405_232923

```
<Report Name="SalesPackingSlipReplacement"
  lacCDATA=";"
  lacCDATA2=";"
  LACReportCultureId="en-US"
  LACNumberFormat="###,##0.-###,##0."
  LACDecSeparator="."
  LACGroupSeparator=","
  LACDecFormat="ddc"
  LACDateTimeFormat="M/d/yyyy h:mm ##"
  LACDateFormat="M/d/yyyy"
  LACDateSeparator="/"
  LACDate1="M/d/yyyy"
  LACDate2="MM/dd/yyyy"
  LACDate3="d MMM yyyy"
  LACDate4="d MMMM yyyy"
  LACTimeFormat="h:mm tt"
  LACTimeSeparator=":"
  LACID="{686C87BC-5FCA-4001-95EC-F769F2D8ADB9}"
  xmlns=""/>
```

<ExecutionId>2AA32A9F-AC25-4C8D-849A-F51346B52ADF</ExecutionId>

Yes

No

Legend: Added Removed Changed Moved from Moved to

SalesPackingSlip_1021_20220405_232953

```
<Report Name="SalesPackingSlipReplacement"
  lacCDATA=";"
  lacCDATA2=";"
  LACReportCultureId="en-US"
  LACNumberFormat="###,##0.-###,##0."
  LACDecSeparator="."
  LACGroupSeparator=","
  LACDecFormat="ddc"
  LACDateTimeFormat="M/d/yyyy h:mm ##"
  LACDateFormat="M/d/yyyy"
  LACDateSeparator="/"
  LACDate1="M/d/yyyy"
  LACDate2="MM/dd/yyyy"
  LACDate3="d MMM yyyy"
  LACDate4="d MMMM yyyy"
  LACTimeFormat="h:mm tt"
  LACTimeSeparator=":"
  LACID="{E1B2FF0E-514C-45D5-A4C5-010A3CC98347}"
  xmlns=""/>
```

<ExecutionId>1635C727-9117-4D97-8122-EE4DBA013CA</ExecutionId>

No

Yes



Future / Vision.

- Virtuel report (6.18)
- Improving analyze of report-structure (Lasernet Embedded)
- Version control – Both data and Design
- Easier and more reliable "movement" between environments
- Automatically creation of FDD (to include mapping and PDF file)
- Ensure delivery + Fallback in relation to Report and attachment(s)



Thank you.