

What's new:  
add existing table fields  
to optimize your pages



# Agenda

- User experience enhancements
- Making fields read-only
- Adding existing table fields to pages

# UX enhancements

- Informative field overview
  - Filter & search
  - Recommended fields
  - Detailed tooltips
- Intuitive actions
  - Scroll field into view
  - Distinct Hide and Remove
- Available for
  - Personalization
  - Role customization
  - Extension designer

The screenshot displays the Dynamics 365 Business Central interface for 'CRONUS USA, Inc.' in the 'Sales' module. A table titled 'Posted Sales Invoices' is shown with columns: No., Amount Including Tax, Remaining Amount, Location Code, No. Printed, Payment Discount %, Closed, Cancel..., and Correc... The 'Payment Discount %' column is highlighted with a red box, and a tooltip is displayed over it. The tooltip explains that the field specifies the payment discount percent granted if payment is made on or before the date in the 'Pmt. Discount Date' field, and lists its properties: Decimal type, Defined by the page, and From Base Application (Microsoft). On the right side, the 'Add Field to Page' sidebar is open, showing a list of recommended fields. The 'Payment Discount %' field is highlighted in red in this sidebar, indicating it is being added to the page.

No.	Amount Including Tax	Remaining Amount	Location Code	No. Printed	Payment Discount %	Closed	Cancel...	Correc...
PS-INV103...	2,039.85	2,039.85		0	0	No		
PS-INV103...	3,081.84	3,081.84		0	0	No		
PS-INV103...	19,944.69	19,944.69		0	0	No		
PS-INV103...	1,012.20	1,012.20		0	0	No		
PS-INV103...	4,927.14	0.00		0	0	Yes		
PS-INV103...	704.92	0.00		0	0	Yes		
PS-INV103...	4,596.16	0.00		0	0	Yes		
PS-INV103...	21,580.96	0.00		0	0	Yes		
PS-INV103...	3,227.70	0.00		0	0	Yes		
PS-INV103...	412.59	0.00		0	0	Yes		
PS-INV103...	403.01	0.00		0	0	Yes		
PS-INV103...	412.59	0.00		0	0	Yes		
PS-INV103...	1,021.84	0.00		0	0	Yes		
PS-INV103...	230.58	0.00		0	0	Yes		
PS-INV103...	2,877.48	2,877.48		0	0	No		
PS-INV103...	2,853.48	2,853.48		0	0	No		
PS-INV103...	16,333.12	16,333.12		0	0	No		

**Payment Discount %**  
Specifies the payment discount percent granted if payment is made on or before the date in the Pmt. Discount Date field.  
- Decimal type  
- Defined by the page  
- From Base Application (Microsoft)

**Add Field to Page**  
Place fields by dragging from the list to a position on the page.  
Recommended fields  
Code External Document No.  
Text Name  
Code Order No.  
Decimal **Payment Discount %**  
Code Payment Terms Code  
Date Posting Date  
Code Salesperson Code  
Text Sell-to Contact  
Code Sell-to Country/Region Code  
Code Sell-to ZIP Code

Demo

# Make fields read-only

- Improve readability, reduce data entry mistakes
- Lock to make a field non-editable: Unlock to revert
- Prevents undesirable editing
- Available for
  - Personalization
  - Role customization
  - Extension designer

The screenshot displays a software interface with two main sections: 'Item' and 'Inventory'. The 'Item' section contains fields for 'No.' (1900-S), 'Budget Profit' (0.00), 'Duty Due %' (0), 'Description' (PARIS Guest Chair, blacl), and 'Base Unit of M...' (PCS). The 'Inventory' section contains fields for 'Shelf No.', 'Inventory' (0), 'Qty. on Purch. ...' (8), 'Qty. on Sales ...' (0), 'Stockout Warn...' (Default (Yes)), 'Unit Volume' (0.25), and 'Over-Receipt ...'. A context menu is open over the 'Duty Unit Con...' field, showing options: 'Move', 'Hide', 'Show under "Show more"', 'Show when collapsed', 'Exclude from Quick Entry', and 'Lock editing'. The 'Picture' section shows a black chair. The 'Marketing Text' section is empty.

Item		Show more	
No. ....	1900-S	Duty Unit Con...	
Budget Profit ....	0.00	Item Category...	CHAIR
Duty Due % ....	0	Inventory .....	0
Description .....	PARIS Guest Chair, blacl	Variant Manda...	Default (No)
Base Unit of M...	PCS		

Inventory		Show more	
Shelf No. ....		Stockout Warn...	Default (Yes)
Inventory .....	0	Unit Volume ....	0.25
Qty. on Purch. ...	8	Over-Receipt ...	
Qty. on Sales ...	0		

Details Attachments (0)

Picture

Marketing Text

# Add existing table fields

- Get to data faster, without costly development
- Many more fields to choose from, under *All fields*
- Added table fields are never editable
- Available in Preview for
  - Role Customization

The screenshot displays the Dynamics 365 Business Central interface for a 'Posted Sales Invoice' (PS-INV103197) for 'Relecloud'. The interface includes a top navigation bar with the 'Customizing Bookkeeper' role and a 'Field' tab. A right-hand pane titled 'Add Field to Page' shows a list of available fields. A red box highlights the 'Remaining Amount' field in the list, and a red arrow points to it from the main form area. The main form shows various fields for the invoice, including 'No.', 'Customer', 'Contact', 'Post Date', and 'Due Date'. Below the form is a table of invoice lines with columns for 'Type', 'No.', 'Item Reference No.', 'Description', and 'Quantity'. The table contains two lines: 'ANTWERP Conference Table' (Quantity 3) and 'SEOUL Guest Chair, red' (Quantity 5). At the bottom, summary fields show 'Invoice Discount Am...', 'Total Tax (USD)', 'Total Excl. Tax (USD)', and 'Total Incl. Tax (USD)'.

**Field List (from 'Add Field to Page' pane):**

- Boolean: Prices Including Tax
- BLOB: QR Code
- Code: Reason Code
- Decimal: Remaining Amount
- Boolean: Reversed
- Integer: SAT Address ID
- Code: SAT International Trade Term
- Text: Sell-to Customer Name 2
- Code: Sell-to Customer No.
- Text: Sell-to Phone No.
- Boolean: Sent as Email

Type	No.	Item Reference No.	Description	Quantity
Item	1920-S		ANTWERP Conference Table	3
Item	1988-S		SEOUL Guest Chair, red	5

Field	Value
Invoice Discount Am...	0.00
Total Tax (USD)	174.44
Total Excl. Tax (USD)	2,907.40
Total Incl. Tax (USD)	3,081.84

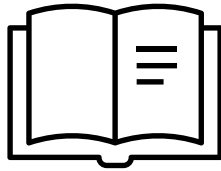
Demo

# Creating safety

*With great power comes great responsibility to make this safe for consultants, end-users, administrators and developers*



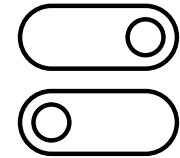
**Role Customization** only



Added fields **read-only**



**Permission**



AL devs can **opt-out**



# New “Add Table Field to Page” permission

Permission Set

D365 PROFILE MGT (System)

View all permissions

More options

General

Permission Set

D365 PROFILE MGT

Name

D365 Profile Mgt & Customiz.

Permissions

Type	Object Type ↑	Object ID ↑	Object Name	Object Caption	Read Permission	Insert Permission	Modify Permission	Delete Permission	Execute Permission	Security Filter
Include	Table Data	9171	Profile Import	Profile Import	Yes	Yes	Yes	Yes		
Include	Table Data	9175	Designer Diagnostic	Designer Diagnostic	Yes	Yes	Yes	Yes		
Include	Table Data	9197	Profile Designer Diagnostic	Profile Designer Diagnostic	Yes	Yes	Yes	Yes		
Include	Table Data	2000000083	Tenant Profile Setting	Tenant Profile Setting		Yes	Yes	Yes		
Include	Table Data	2000000084	Tenant Profile Extension	Tenant Profile Extension		Yes	Yes	Yes		
Include	Table Data	2000000086	Profile Configuration Symbols	Tenant Profile Configuration Symbols		Yes	Yes	Yes		
Include	Table Data	2000000177	Tenant Profile	Tenant Profile		Yes	Yes	Yes		
Include	Table Data	2000000178	All Profile	All Profile		Yes	Yes	Yes		
Include	Table Data	2000000187	Tenant Profile Page Metadata	Tenant Profile Page Metadata		Yes	Yes	Yes		
→ Include	⋮ System	2026	Add Table Field To Page	Add Table Field To Page					Yes	

# Exclude internal or sensitive table fields from being added

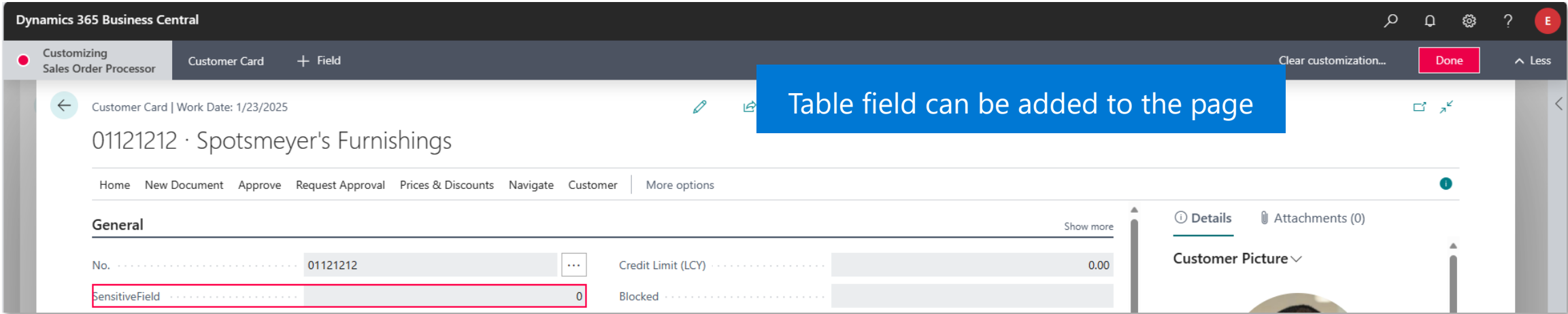
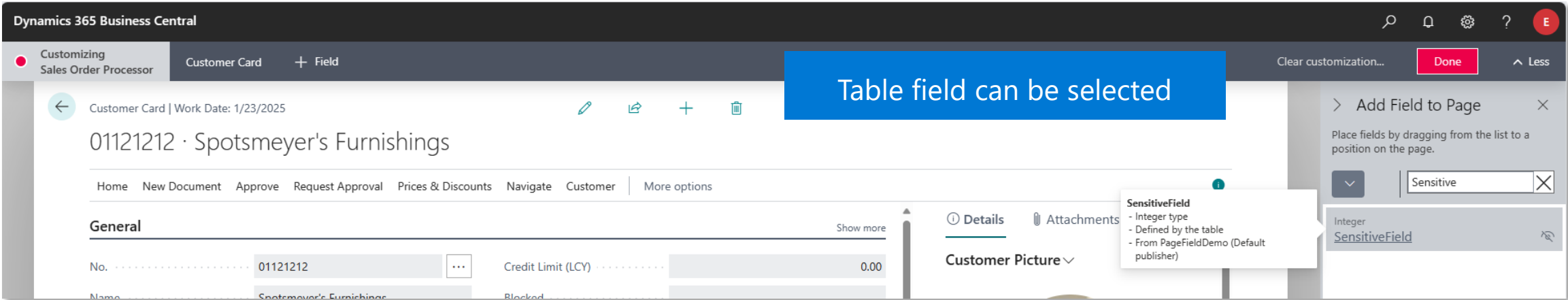
Opt-out via AllowInCustomizations property {Always, Never}

```
AL MyTable.Table.al > Table 50100 MyTable > fields > MyField2: Integer
1 reference
1 table 50100 MyTable
2 {
3     fields
4     {
5         2 references
6         field(1; MyField1; Integer)
7         {
8         }
9         2 references
10        field(2; MyField2; Integer)
11        {
12        }
13        AllowInCustomizations = Never;
14    }
15 }
16 }
17 }
18 }
```

(property) AllowInCustomizations: Option Always, Never  
Specifies whether this table field can be used as source expression for new page fields in page customizations.  
Get help

```
AL HelloWorld.al > TableExtension 50100 MyExtension
0 references
1 tableextension 50100 MyExtension extends Customer
2 {
3     fields
4     {
5         0 references
6         field(50100; SensitiveField; Integer)
7         {
8             Access = Public;
9             // Should not be shown to users, yet accessible to other extensions.
10        }
11    }
```

V1.0



```
AL HelloWorld.al > ...
0 references
1 tableextension 50100 MyExtension extends Customer
2 {
3     fields
4     {
5         0 references
6         field(221; SensitiveField; Integer)
7         {
8             Access = Public;
9             // Should not be shown to users, yet accessible to other extensions.
10            AllowInCustomizations = Never;
11        }
12    }
13 }
```

V2.0

AllowCustomizations is set to Never

Dynamics 365 Business Central

Customer Card | Work Date: 1/23/2025

01121212 · Spotsmeyer's Furnishings

Home New Document Approve Request Approval Prices & Discounts Navigate Customer More options

**General** Show more

No.	01121212	Credit Limit (LCY)	0.00
Name	Spotsmeyer's Furnishings	Blocked	
Balance (LCY)	0.00	Total Sales	0.00

Details Attachments (0)

Customer Picture

Table field is automatically taken away

Dynamics 365 Business Central

Customizing Sales Order Processor Customer Card + Field

Customer Card | Work Date: 1/23/2025

01121212 · Spotsmeyer's Furnishings

Home New Document Approve Request Approval Prices & Discounts Navigate Customer More options

**General** Show more

No.	01121212	Credit Limit (LCY)	0.00
-----	----------	--------------------	------

Details Attachments (0)

Customer Picture

Add Field to Page

Place fields by dragging from the list to a position on the page.

Sensitive

(There is nothing to show in this view)

Table field cannot be added to the page

```
AL HelloWorld.al > TableExtension 50100 MyExtension > fields > SensitiveField: Integer
0 references
1 tableextension 50100 MyExtension extends Customer
2 {
3     fields
4     {
5         0 references
6         field(221; SensitiveField; Integer)
7         {
8             Access = Public;
9             // Should not be shown to users, yet accessible to other extensions.
10            AllowInCustomizations = Always;
11        }
12    }
13 }
```

V3.0

AllowCustomizations is set to Always

Dynamics 365 Business Central

Customer Card | Work Date: 1/23/2025

01121212 · Spotsmeyer's Furnishings

Home New Document Approve Request Approval Prices & Discounts Navigate Customer More options

**General** Show more

No.	01121212	...	Credit Limit (LCY)	0.00
SensitiveField	0		Blocked	
Name	Spotsmeyer's			
Balance (LCY)				
Balance Due (LCY)	0.00			

**Details** Attachments (0)

Customer Picture




Table field is automatically added back

Table field can be added on the page (if not added already)

# Things to be aware of

Flow fields can have performance impact

Table field might be removed on upgrade

- Same as today, will just not show up

- Use "Page Customizations" troubleshooting page

Respect fields with EDT=masked

- Data not shown in Page Inspector

- Value masked in field

# Extensions still required for most field behavior

Properties on both table and page, e.g., validation triggers

- Only table field behavior apply to added field

- Different behavior compared to field on other pages

Properties exclusive on page field, e.g., tooltip, AssistEdit etc

When field must interact with surrounding content, e.g., Row StyleExpression

Editable fields

Org wide changes

# Page inspection: explore in code

Bridges the app with the  
underlying code in Visual Studio  
Code

Great way to quickly explore page  
and table field properties,  
validation logic etc.

**View BCLE session**  
**LE23-204 What's new in**  
**developer tools**

The screenshot displays the Dynamics 365 Business Central interface for a 'Vendor Card' (10000 - Fabrikam, Inc.). The 'Page Inspection' pane on the right provides details about the page and its elements. A table field 'Territory Code (15, Code[10])' is selected, and the 'Explore field in VS Code' button is highlighted. An orange arrow points from this button to a code editor window at the bottom, which shows the X++ code for the field:

```
209 }
210 field(15; "Territory Code"; Code[10])
211 {
212     Caption = 'Territory Code';
213     TableRelation = Territory;
214 }
215 field(16; "Global Dimension 1 Code"; Code[20])
```



# Create page fields and page groups in page customizations

Add page fields and groups in an AL page customization for role specific behavior

For most scenarios, page extension is recommended

```
0 references
pagecustomization MyCustomization customizes "Customer Card"
{
    layout
    {
        addfirst(Content)
        {
            0 references
            group(MyCustomizationGroup)
            {
                0 references
                field(MyCustomizationField; Rec."Name 2")
                {
                    Caption = 'Name 2';
                    Editable = true;
                    Importance = Promoted;
                }
            }
        }
    }
}
```

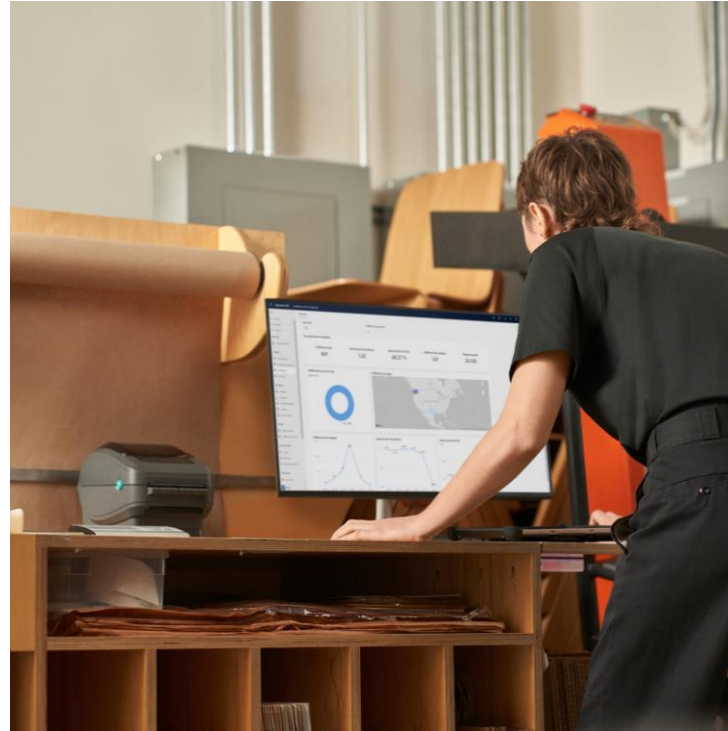
# Summary

- User experience enhancements
- Making fields read-only
- Adding existing table fields to pages

# Watch other relevant launch event sessions



New productivity features



Analyze data on lists and queries



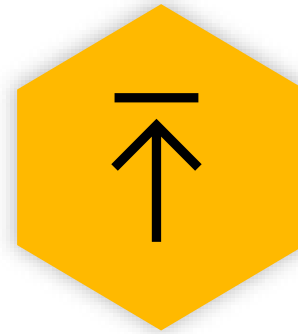
What's new in Developer tools

# General Business Central resources, **learn more!**

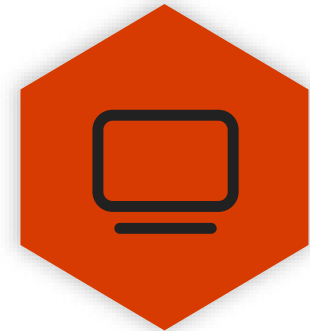
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Thank you

