

Introducing Modern Action Bar



Agenda

Why	User experience	Developer experience
Feedback	Modern action bar	Action references and compatibility
Goals	Discoverability and efficiency	Split button, scope repeater
Principles	Reducing redundancy	Handling PromotedOnly
	Personalization	Conversion
	Consistency	Top used BaseApp pages optimized
	Managing disruption	Modern Action Bar feature flag



... if you are going to follow the **menu structure** then BC is **not very intuitive**, and you have to do **relatively many clicks** to get where you want. **Terms** used could also be better, they are a little technically oriented. For example, the **concepts process, action, related, navigate** – what lies where is **quite incomprehensible** without experience in the **system...**

Anonymous BC user

The goal

Provide better **discoverability** of actions in the UI

Improve user **efficiency** in reaching actions

Focus on promoted actions and reduce the need to use action repository

Reduce **redundancy** and **duplication** of actions in action bar

Lift (some of) the current **constraints on personalization**

Improve **consistency** of action organization across most used pages

Ensure **minimum disruption** for end users and **easy uptake** for partners

The principles



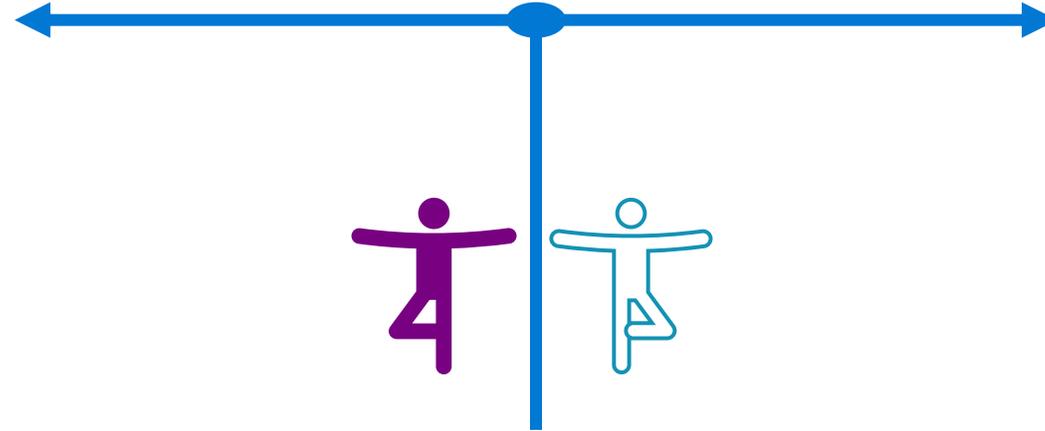
Efficiency

Everything is available in one click



Consistency

Everything is where the "rules" say

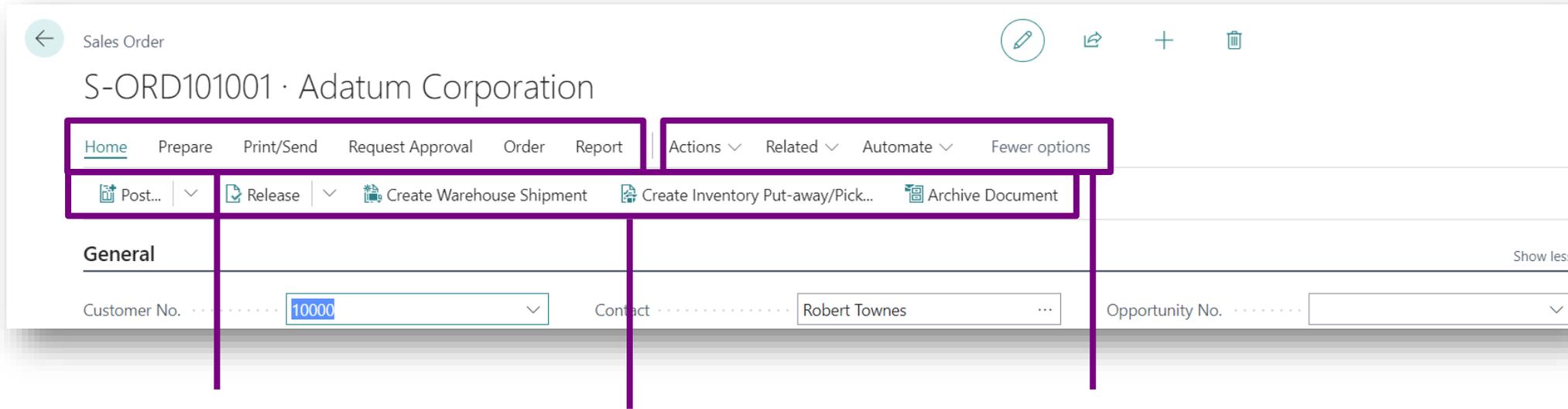


Balance

Rules are starting point;
Special cases are optimized

Introducing Modern Action Bar

Modern Action Bar

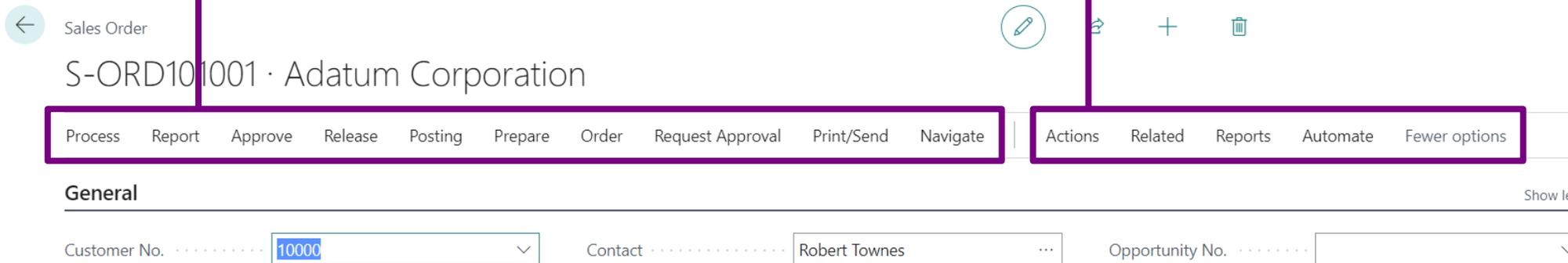


Promoted categories

Promoted actions

Actions repository

Legacy Action Bar



Promoting actions using Promoted properties

```
2 page 50105 PageV1
3 {
4   PageType = Card;
5   ApplicationArea = All;
6   UsageCategory = Administration;
7   PromotedActionCategories = 'New,Process,Report,Bank,Application';
8
9   actions
10  {
11    0 references
12    area(Processing)
13    {
14      0 references
15      action(ActionName)
16      {
17        ApplicationArea = All;
18        Promoted = true;
19        PromotedCategory = "Report";
20        PromotedIsBig = true;
21        trigger OnAction()
22        begin
23          message('there is an action!')
24        end;
25      }
26    }
27  }
28 }
```

Promoted actions are **implicitly** created.

PromotedActionCategories specifies the caption of the 20 defined promoted groups

Promoted creates the promoted action, by default in the category New

PromotedCategory defines the group where the action is added

PromotedIsBig moves the action toward the start of the group

PromotedOnly hides the base action and only shows the promoted action.

Impact on developer & designer experience

Developer experience:

Not able to choose the exact **ordering** of promoted actions

Not possible to create **new categories**

Not possible to create **sub-group** in the categories

Designer experience:

Not able to **move** categories

Not able to change the **ordering** of actions within one category

The new Action Bar AL Syntax

New **Promoted** area for the left side of the action bar.

Can contain **groups** and references to actions.

```
1 page 50100 MyPage
2 {
3   actions
4   {
5     0 references
6     area(Promoted)
7     {
8       0 references
9       group(MyGroup)
10      {
11      }
12    }
13  }
```

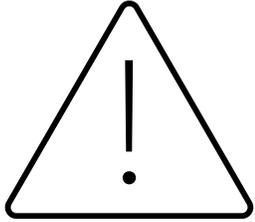
New **ActionRef** construct representing a reference to an action.

Can only be **defined in the Promoted area**, at top level or in a group.

Inherits all properties from the target action – except visibility which is a combination of both.

```
0 references
actionref(MyActionRef; MyAction)
{
  Visible = true;
}
```

Mixing Promoted properties & ActionRefs



You cannot mix promoted action syntax and actionref syntax within the **same object**:

✘ The property 'Promoted' is not allowed on PageAction 'MyAction' because the PageObject 'MyPage' is using the ActionRef syntax. AL([AL0722](#))

However, you are allowed to have objects with promoted actions and objects with actionrefs in the **same app**.

How does the runtime support Promoted actions and ActionRefs side-by-side?

Promoted Actions and ActionRefs side-by-side

The compiler & platform automatically convert all promoted actions into new ActionRefs under the hood.

Naming conventions

Promoted Actions: <ActionName>_Promoted

Promoted Categories: Category_<CategoryName>

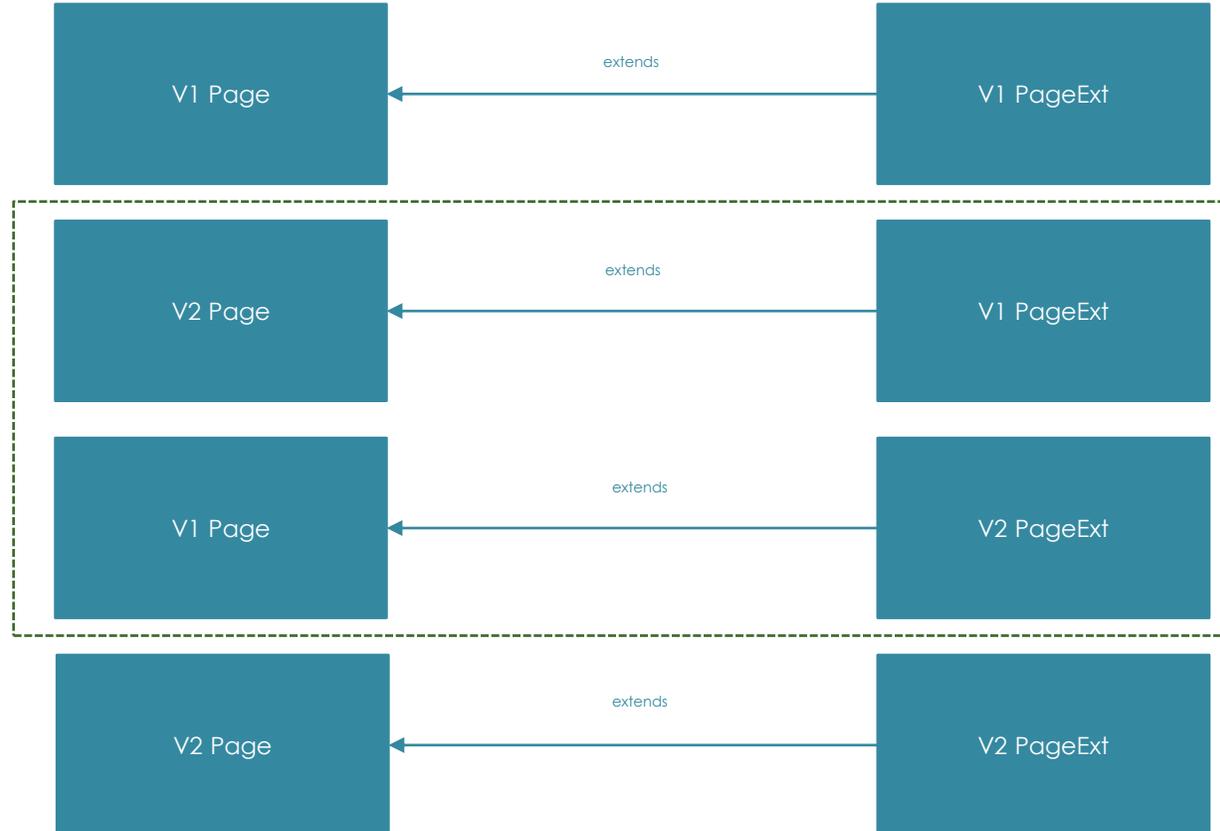
```
page 50100 MyPage
{
  actions
  {
    area(Processing)
    {
      action(MyAction)
      {
        PromotedCategory = New;
        Promoted = true;
        RunObject = page MyPage;
      }
    }
  }
}
```



```
page 50100 MyPage
{
  actions
  {
    area(Promoted)
    {
      group(Category_New)
      {
        actionref(MyAction_Promoted; MyAction) { }
      }
    }
    area(Processing)
    {
      action(MyAction)
      {
        RunObject = page MyPage;
      }
    }
  }
}
```

Promoted Actions and ActionRefs side-by-side

Extensions with Promoted Actions (V1) and extensions with ActionRefs (V2) can co-exist and contribute to the same page.





```
page 50100 MyV1Page
{
  PromotedActionCategories = 'New-Caption';

  actions
  {
    area(Processing)
    {
      action(MyAction)
      {
        Promoted = true;
        PromotedCategory = New;
        RunObject = page MyV1Page;
      }
    }
  }
}
```

```
pageextension 50100 MyV1ExtOnV1Page extends MyV1Page
{
  actions
  {
    modify(MyAction)
    {
      Caption = 'New Target Action Caption';
    }

    addafter(MyAction)
    {
      action(MyActionFromV1Ext)
      {
        Promoted = true;
        PromotedCategory = New;
        RunObject = page MyV1Page;
      }
    }
  }
}
```

Can reference/modify the target action.



```
page 50100 MyV2Page
{
  actions
  {
    area(Promoted)
    {
      actionref(MyActionRef; MyAction) { }
    }
    area(Processing)
    {
      action(MyAction)
      {
        RunObject = page MyV2Page;
      }
    }
  }
}
```

```
pageextension 50100 MyV2ExtOnV2Page extends MyV2Page
{
  actions
  {
    modify(MyActionRef)
    {
      Visible = false;
    }
    addafter(MyActionRef)
    {
      action(MyNewActionRef; MyNewAction) { }
    }
    addafter(MyAction)
    {
      action(MyNewAction)
      {
        RunObject = page MyV2Page;
      }
    }
  }
}
```

Can reference/modify the target action.
V2: Can reference/modify the promoted action too.



```
page 50100 MyV2Page
{
  actions
  {
    area(Promoted)
    {
      actionref(MyActionRef; MyAction) { }
    }
    area(Processing)
    {
      action(MyAction)
      {
        RunObject = page MyV2Page;
      }
    }
  }
}
```

```
pageextension 50100 MyV1ExtOnV2Page extends MyV2Page
{
  actions
  {
    modify(MyAction)
    {
      Caption = 'New Target Action Caption';
    }
    addafter(MyAction)
    {
      action(MyNewAction)
      {
        Promoted = true;
        PromotedCategory = New;
        RunObject = page MyV2Page;
      }
    }
  }
}
```

Can reference/modify the target action.



```
page 50100 MyV1Page
{
  PromotedActionCategories = 'New-Caption';

  actions
  {
    area(Processing)
    {
      action(MyAction)
      {
        Promoted = true;
        PromotedCategory = New;
        RunObject = page MyV1Page;
      }
    }
  }
}
```

```
pageextension 50100 MyV2ExtOnV1Page extends MyV1Page
{
  actions
  {
    modify(MyAction_Promoted) // Synthesized ActionRef Name
    {
      Visible = false;
    }

    addafter(MyAction_Promoted)
    {
      actionref(MyActionRef; MyNewAction) { }
    }

    addafter(MyAction)
    {
      action(MyNewAction)
      {
        RunObject = page MyV1Page;
      }
    }
  }
}
```

Can reference/modify the target action.
V2: Can reference/modify the promoted action too.

New code action to convert to ActionRef

Includes new support for running select code actions in larger scopes

Specific instance, document, project, solution (workspace)

```
page 50146 ConvertPromotedAction5
{
    PageType = Card;
    ApplicationArea = All;
    UsageCategory = Administration;
    actions
    {
        area(Processing)
        {
            ACTION(ActionName1)
        }
    }
}
```

Convert a page or page extension to use the new ActionRef syntax for action bars. -> Convert a page or page extension to use the new ActionRef syntax for action bars.

Convert a page or page extension to use the new ActionRef syntax for action bars. -> Fix all occurrences in document

Convert a page or page extension to use the new ActionRef syntax for action bars. -> Fix all occurrences in project

Convert a page or page extension to use the new ActionRef syntax for action bars. -> Fix all occurrences in solution

Conversion from V1 to V2

The new model (V2)

The old model (V1)



```
page 51 "Purchase Invoice"
{
    Caption = 'Purchase Invoice';
    PageType = Document;
    PromotedActionCategories =
    'New,Process,Report,Approve,Invoice,Posting,View,Request Approval,Incoming
    Document,Release,Navigate';
    RefreshOnActivate = true;
}
```

```
actions
{
    group(Approval)
    {
        Caption = 'Approval';
        action(Approve)
        {
            ApplicationArea = All;
            Caption = 'Approve';
            Image = Approve;
            Promoted = true;
            PromotedCategory = Category4;
            PromotedIsBig = true;
            PromotedOnly = true;
            Tooltip = 'Approve the requested changes.';
            Visible = OpenApprovalEntriesExistForCurrUser;

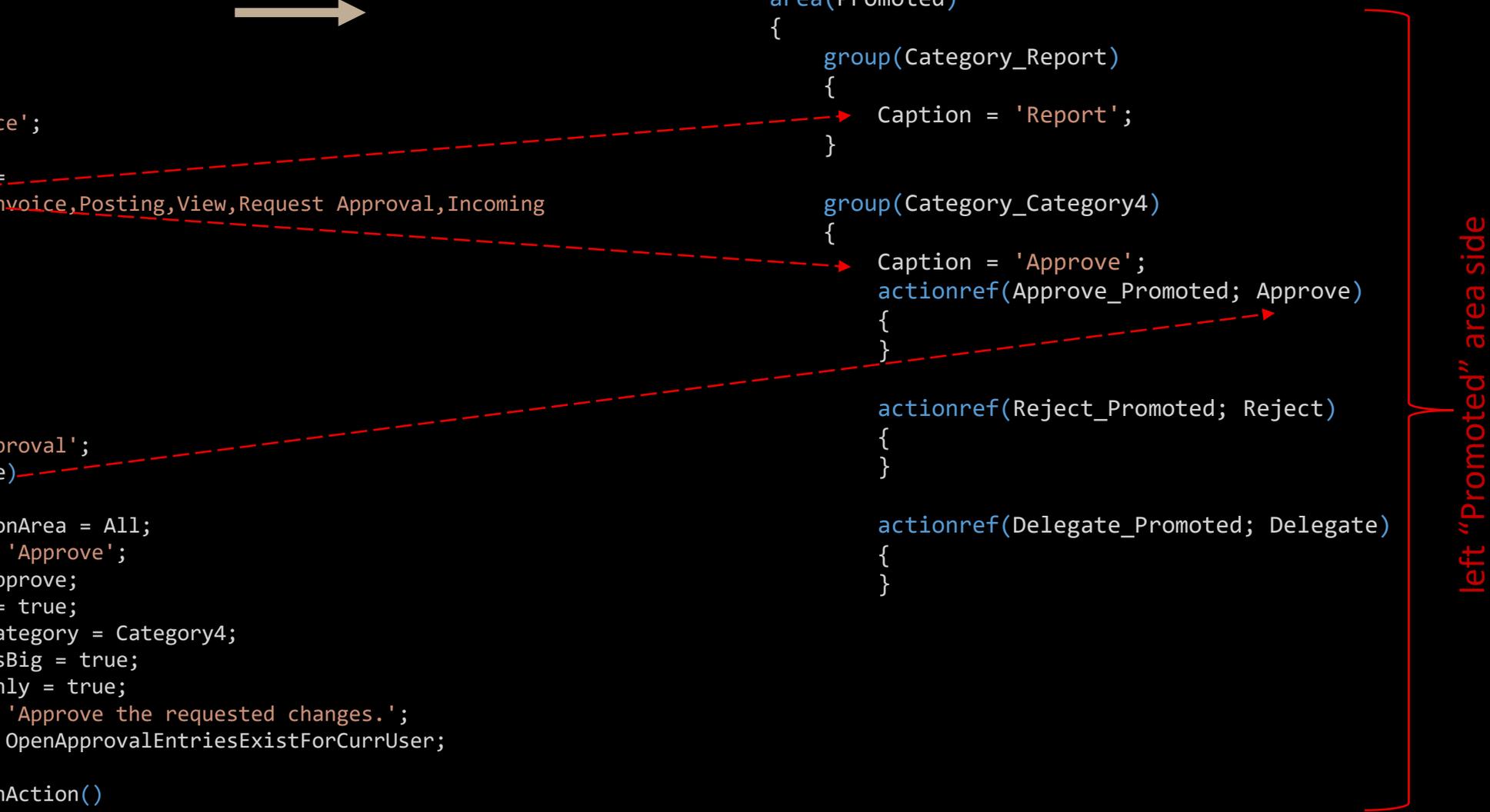
            trigger OnAction()
            {
            }
        }
    }
}
```

```
actions
{
    area(Promoted)
    {
        group(Category_Report)
        {
            Caption = 'Report';
        }

        group(Category_Category4)
        {
            Caption = 'Approve';
            actionref(Approve_Promoted; Approve)
            {
            }

            actionref(Reject_Promoted; Reject)
            {
            }

            actionref(Delegate_Promoted; Delegate)
            {
            }
        }
    }
}
```



AppSource validation

Validation of affixes for actionrefs and promoted group ([AS0011](#))

Validation of breaking changes ([AS0031](#))

- Cannot remove actionref without prior obsolescence

- Cannot remove promoted groups without prior obsolescence

Discoverability and efficiency in Action Bar

Legacy vs Modern Action Bar

Legacy

Sales Order

S-ORD101001 · Adatum Corporation

Process Report Release Posting Prepare Order Request Approval Print/Send Navigate | More options

General Show more

Customer Name Adatum Corporation ... Due Date 5/2/2022

The legacy action bar features a horizontal list of action items. The 'Process' item is highlighted with a purple box. The bar is positioned below the document title and above the main content area.

Familiar and discoverable **Home** action group with most important actions

Modern

Sales Order

S-ORD101001 · Adatum Corporation

Home Prepare Print/Send Request Approval Order Report | Actions ▾ Related ▾ Automate ▾ Fewer options

Post... | ▾ Release | ▾ Create Warehouse Shipment Create Inventory Put-away/Pick... Archive Document

General Show less

Customer No. 10000 ▾ Posting Date 4/2/2022

The modern action bar features a 'Home' action group highlighted with a purple box. Below the main action bar, there is a secondary row of actions with icons and dropdown arrows. The bar is positioned below the document title and above the main content area.

Legacy vs Modern Action Bar

Legacy

Sales Order

S-ORD101001 · Adatum Corporation

Process Report Release Posting Prepare Order Request Approval Print/Send Navigate | More options

General Show more

Customer Name Adatum Corporation Due Date 5/2/2022

The legacy action bar features a horizontal menu with various actions. The 'More options' button is located at the end of the menu, which is not highlighted.

Efficient access to important actions through **auto-pinning**

Modern

Sales Order

S-ORD101001 · Adatum Corporation

Home Prepare Print/Send Request Approval Order Report | Actions ▾ Related ▾ Automate ▾ Fewer options

Post... ▾ Release ▾ Create Warehouse Shipment Create Inventory Put-away/Pick... Archive Document

General Show less

Customer No. 10000 ▾ Posting Date 4/2/2022

The modern action bar features a horizontal menu with various actions. The 'Actions' button is highlighted with a purple box, and the 'Post...' button is also highlighted with a purple box.

Legacy vs Modern Action Bar

Legacy

Sales Order

S-ORD101001 · Adatum Corporation

Process Report **Release Posting** Prepare Order Request Approval Print/Send Navigate | More options

General Show more

Customer Name Adatum Corporation Due Date 5/2/2022

The legacy action bar features a horizontal list of actions. The 'Release' and 'Posting' actions are highlighted with a purple box. The bar is positioned below the document title and above the main content area.

Efficient access to even more important actions (as **subcategories**)

Modern

Sales Order

S-ORD101001 · Adatum Corporation

Home Prepare Print/Send Request Approval Order Report | Actions ▾ Related ▾ Automate ▾ Fewer options

Post... ▾ **Release** ▾ Create Warehouse Shipment Create Inventory Put-away/Pick... Archive Document

General Show less

Customer No. 10000 ▾ Posting Date 4/2/2022

The modern action bar features a horizontal list of actions. The 'Post...' and 'Release' actions are highlighted with a purple box. The bar is positioned below the document title and above the main content area.

Legacy vs Modern Action Bar

Legacy

Sales Order

S-ORD101001 · Adatum Corporation

Process Report Release Posting Prepare Order Request Approval Print/Send Navigate | More options

General Show more

Customer Name Adatum Corporation Due Date 5/2/2022

The legacy action bar features a horizontal list of actions: Process, Report, Release, Posting, Prepare, Order, Request Approval, Print/Send, and Navigate. A vertical line separates these from a 'More options' button. The 'Release' action is not highlighted.

Efficient access to most important action in group with **split button**

Modern

Sales Order

S-ORD101001 · Adatum Corporation

Home Prepare Print/Send Request Approval Order Report | Actions ▾ Related ▾ Automate ▾ Fewer options

Post... | ▾ **Release** ▾ Create Warehouse Shipment Create Inventory Put-away/Pick... Archive Document

General Show less

Customer No. 10000 Posting Date 4/2/2022

The modern action bar features a horizontal list of actions: Home, Prepare, Print/Send, Request Approval, Order, and Report. A vertical line separates these from a group of actions: Actions, Related, Automate, and Fewer options. The 'Release' action is highlighted with a purple box, and its dropdown menu is open, showing 'Release' and 'Reopen' options.

Split button benefits

Action group (name) is actionable (even then collapsed)

Familiar experience across Microsoft products

„Forces“ grouping of similar actions

Has lower interaction cost for user

Removes the need to “invent” abstract action group names

On clients that don't support it, falls back to regular action group

Split button

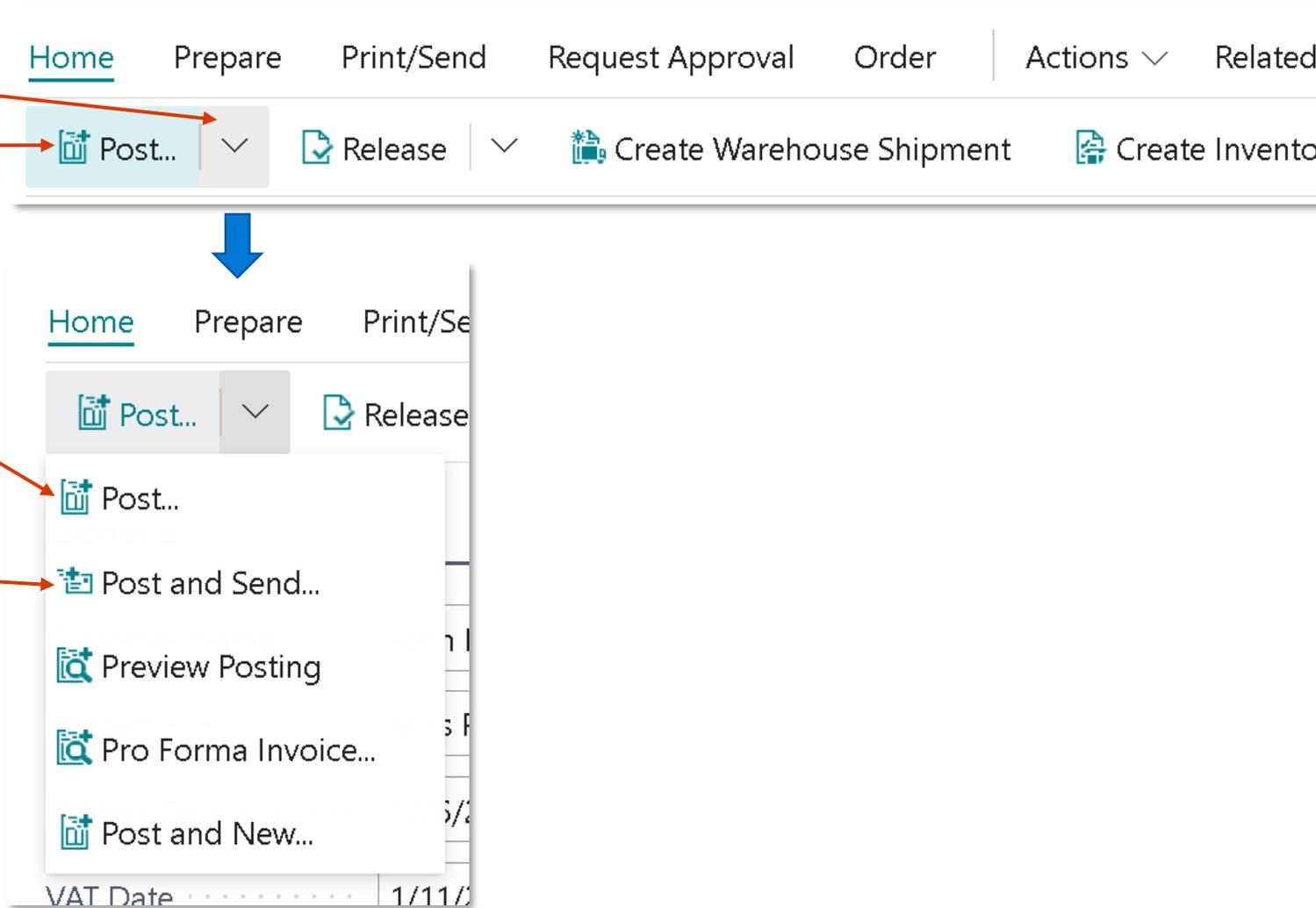
```
group(Posting)
{
  ShowAs = SplitButton;

  1 reference
  action(Post)
  {
    ApplicationArea = All;
    Caption = 'Post';
    Image = Post;

    trigger OnAction()
    begin
      PostOrder();
    end;
  }

  1 reference
  action(PostAndSend)
  {
    ApplicationArea = All;
    Caption = 'Post and Send';
    Image = SendAsPDF;

    trigger OnAction()
    begin
      PostAndSendOrder();
    end;
  }
}
```



Scope repeater actions

What is wrong with this action?

```
0 references
page 50100 MyPage
{
  PageType = List;
  SourceTable = Customer;

  layout
  {
    0 references
    area(Content)
    {
      0 references
      repeater(GroupName)
      {
        0 references
        field(Name; Rec.Name) { }
      }
    }
  }

  actions
  {
    0 references
    area(Processing)
    {
      0 references
      action(MyAction)
      {
        ApplicationArea = All;
        Scope = Repeater;

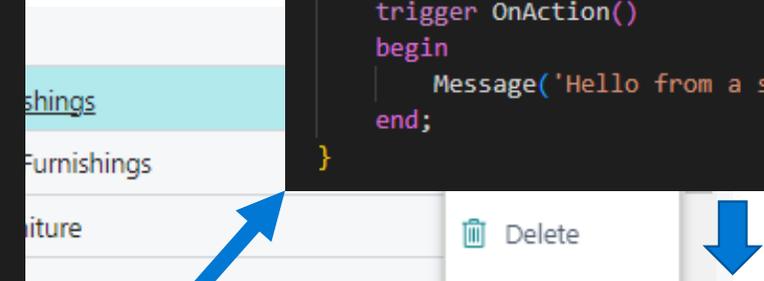
        trigger OnAction()
        begin
          Message('Hello from a scope repeater action!');
        end;
      }
    }
  }
}
```

```
0 references
action(MyAction)
{
  ApplicationArea = All;
  Scope = Repeater;

  trigger OnAction()
  begin
    Message('Hello from a scope repeater action!');
  end;
}
```

```
0 references
action(MyAction)
{
  ApplicationArea = All;
  Scope = Repeater;
  Promoted = true;

  trigger OnAction()
  begin
    Message('Hello from a scope repeater action!');
  end;
}
```



Scope repeater actions no longer require promotion

Version 20 and earlier

The **Scope = Repeater** property was ignored unless the action was **Promoted = True**.

New UICop rule AW0015 depending on the runtime version in app.json

```
0 references  
action(ActionName)  
{  
    Scope = Repeater;  
    ApplicationArea = All;  
    Image = "1099Form";  
}
```

Version 21

Scope = Repeater now works without the action being promoted.

Reducing redundancy in Action Bar

Legacy vs Modern Action Bar

Legacy

Sales Order

S-ORD101001 · Adatum Corporation

Process Report Release Posting Prepare **Order** Request Approval Print/Send **Navigate** More options

General Show more

Customer Name Adatum Corporation Due Date 5/2/2022

The legacy action bar features a horizontal list of actions: Process, Report, Release, Posting, Prepare, Order, Request Approval, Print/Send, and Navigate. The 'Order' and 'Navigate' actions are highlighted with purple boxes. A 'More options' link is located to the right of the 'Navigate' action. The 'General' section below contains fields for Customer Name (Adatum Corporation) and Due Date (5/2/2022).

Reduced interaction cost of finding related information

Modern

Sales Order

S-ORD101001 · Adatum Corporation

Home Prepare Print/Send Request Approval **Order** Report | Actions ▾ Related ▾ Automate ▾ Fewer options

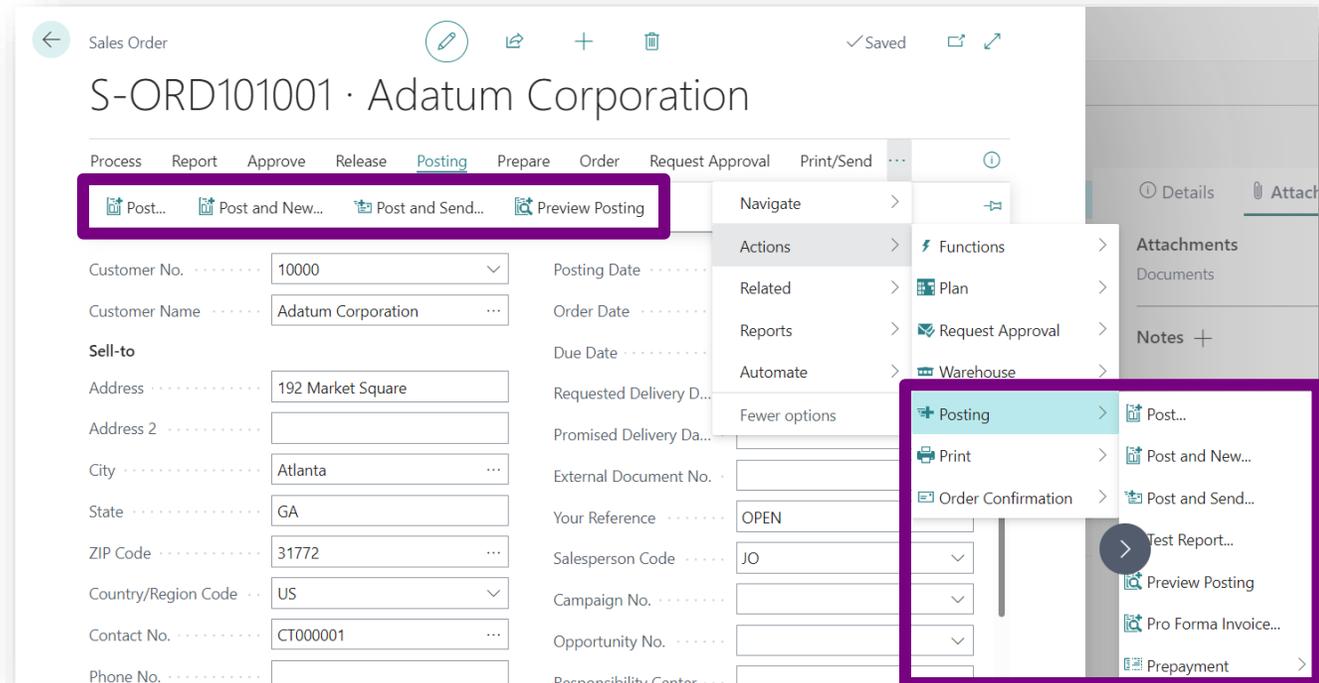
Post... ▾ Release ▾ Create Warehouse Shipment Create Inventory Put-away/Pick... Archive Document

General Show less

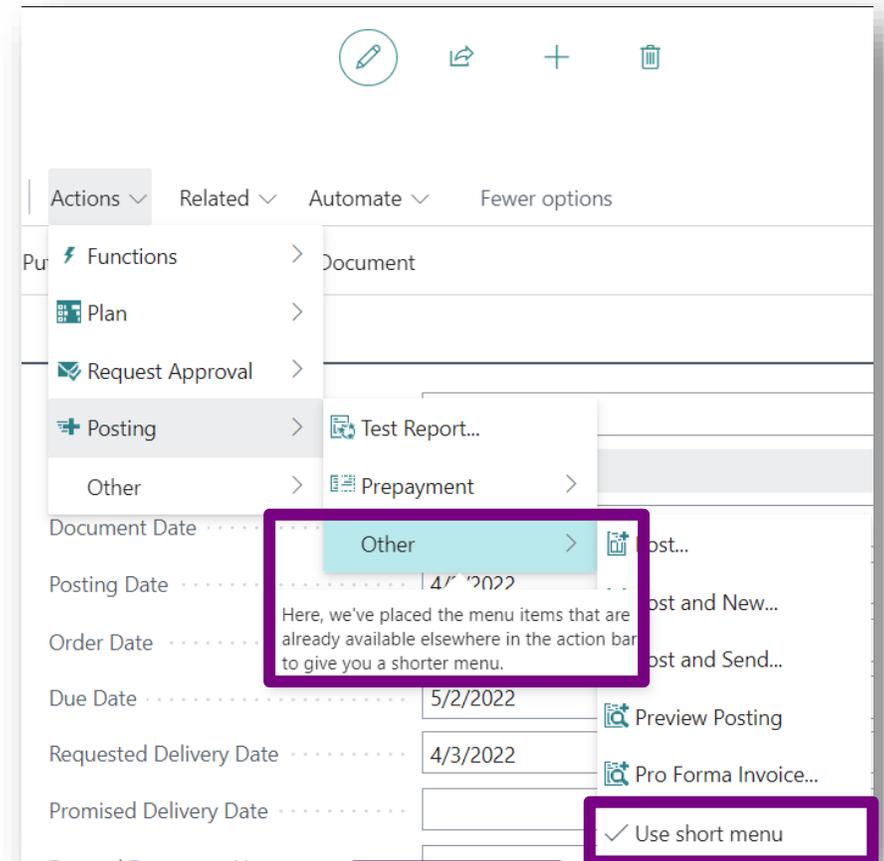
Customer No. 10000 ▾ Posting Date 4/2/2022

The modern action bar features a horizontal list of actions: Home, Prepare, Print/Send, Request Approval, Order, and Report. The 'Order' action is highlighted with a purple box. To the right of the 'Report' action are dropdown menus for 'Actions', 'Related', and 'Automate', followed by a 'Fewer options' link. Below the action bar, there are icons for 'Post...', 'Release', 'Create Warehouse Shipment', 'Create Inventory Put-away/Pick...', and 'Archive Document'. The 'General' section below contains fields for Customer No. (10000) and Posting Date (4/2/2022).

The "Other" menu



Legacy



Here, we've placed the menu items that are already available elsewhere in the action bar to give you a shorter menu.

Use short menu

Modern

All promoted actions are now implicitly PromotedOnly

```
group(Posting)
{
  0 references
  action(Post)
  {
    ApplicationArea = All;
    Caption = 'Post';
    Image = Post;
    Promoted = True;

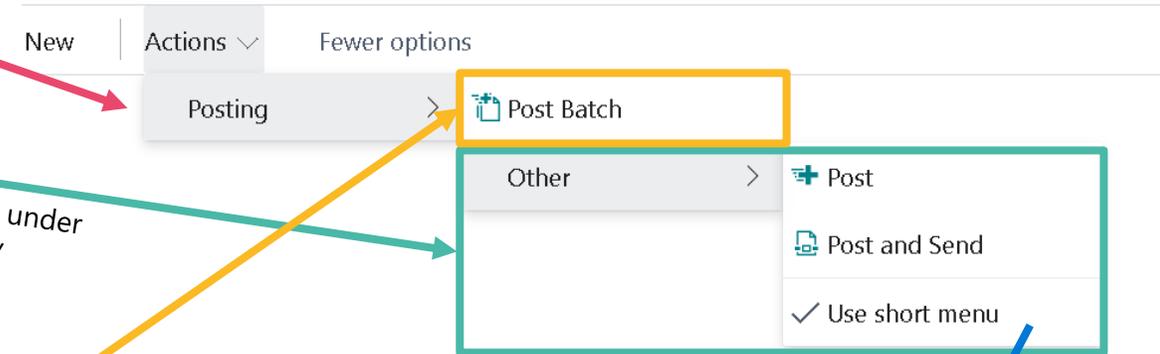
    trigger OnAction()
    begin
      PostOrder();
    end;
  }

  0 references
  action(PostAndSend)
  {
    ApplicationArea = All;
    Caption = 'Post and Send';
    Image = SendAsPDF;
    Promoted = True;

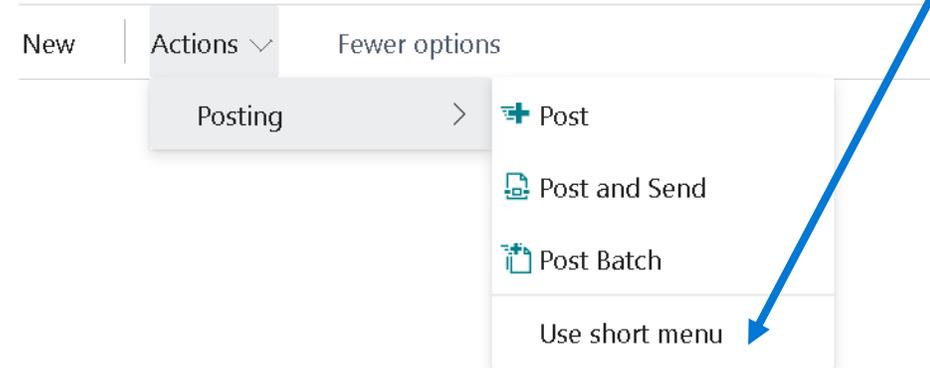
    trigger OnAction()
    begin
      PostAndSendOrder();
    end;
  }

  0 references
  action(PostBatch)
  {
    ApplicationArea = All;
    Caption = 'Post Batch';
    Image = PostBatch;

    trigger OnAction()
    begin
      PostBatchOrders();
    end;
  }
}
```



Promoted actions hidden under Other in Action repository

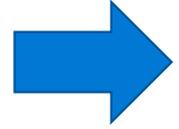


Normal actions shown in Action repository

Handling PromotedOnly

A group containing only promoted actions is no longer rendered

```
0 references
group(ReleaseAndReopen)
{
  0 references
  action(Release)
  {
    Caption = 'Release';
    Promoted = true;
    trigger OnAction()
    begin
      Message('Released');
    end;
  }
  0 references
  action(Reopen)
  {
    Caption = 'Reopen';
    Promoted = true;
    trigger OnAction()
    begin
      Message('Reopened');
    end;
  }
}
```



Empty group not rendered in Action repository



Action bar personalization

Demo

Personalization

Personalization improvement summary

	Capability	Legacy Action Bar	Modern Action Bar
Promoted Categories	Creating new promoted categories*	<i>Limited to 20 predefined ones</i>	✓
	Reordering promoted categories	✗	✓
	Defining promoted sub-categories	✗	✓
	Customizing promoted categories*	<i>Only the caption can be updated.</i>	✓
Promoted Actions	Reordering promoted actions	<i>Can only decide if toward the start or the end of a category.</i>	✓
	Defining top-level promoted actions	✗	✓

* Currently developers only experience

Converting in-client customizations

Type of customization	Conversion process	Remarks
User Personalization	Fully automated (no user action required)	- Conversion on upgrade
Profile Customization	Fully automated (no user action required)	- Conversion on upgrade & on import - Added partner telemetry signals
Designer mode (Sandbox)	One-click conversion (user action required)	- Code Action in VS Code  - Lock icon in the web client 

User profiles conversion

Dynamics 365 Business Central

← Profiles (Roles) | Work Date: 1/25/2024

Profiles (Roles): All ▾ | Search + New Manage Use as default profile Copy profile... Customize pages Export Profiles **Import Profiles** More options

Profile ID	Display Name ↑	Source	Role Center ID	Enable
<u>ACCOUNTANT</u>	Accountant	Base Application	9027	<input checked="" type="checkbox"/>
ACCOUNTING MANAGER	Accounting Manager	Base Application	9001	<input type="checkbox"/>
AP COORDINATOR	Accounts Payable Coordinator	Base Application	9002	<input type="checkbox"/>
AR ADMINISTRATOR	Accounts Receivable Administrator	Base Application	9003	<input type="checkbox"/>
SECURITY ADMINISTRATOR	Administration of users, user groups and permissions	Base Application	9024	<input checked="" type="checkbox"/>
BLANK	Blank Profile	System Application	8999	<input type="checkbox"/>
BOOKKEEPER	Bookkeeper	Base Application	9004	<input type="checkbox"/>
BUSINESS MANAGER	Business Manager	Base Application	9022	<input checked="" type="checkbox"/>
BUSINESS MANAGER EVAL...	Business Manager Evaluation	Base Application	9022	<input checked="" type="checkbox"/>

User profiles conversion

Import Profiles (1 of 3)

Welcome to the import profiles guide

You can update your list of profiles (roles) by uploading a package file that you exported earlier.

Importing a package can add new profiles or replace existing profiles and their page modifications. Before you import a package, we recommend that you create a copy of your existing profiles by using the Export Profiles action on the Profiles (Roles) page.

When you replace a profile, signed-in users who are assigned to the profile may be interrupted briefly.

Let's go!

Choose Select Package to find a profiles package file.

After choosing a package, you can select which profiles you want to add or replace before committing the change.

Select package

Import Profiles (2 of 3)

The package contains the following profiles. If there are profiles that you do not want to import, clear the check box.

Select...	Action	Profile ID ↑	Source of the profile in Business Central
→ <input checked="" type="checkbox"/>	⋮ Replace	TEST	(User-created)

Back

Import selected

Import Profiles (3 of 3)

Results

Profile ID	Message
→ TEST	Successfully imported with warnings

Back

Done

Message

We have detected the use of deprecated language constructs in your profile package and we have automatically updated your pro...

The profile was successfully imported.

User profiles conversion

Dynamics 365 Business Central

Profiles (Roles) | Work Date: 1/25/2024

Profiles (Roles): All | Search | + New | Manage | Use as default profile | Copy profile... | Customize pages | **Export Profiles** | Import Profiles | More options

Profile ID	Display Name ↑	Source	Role Cen
<u>ACCOUNTANT</u>	Accountant	Base Application	
ACCOUNTING MANAGER	Accounting Manager	Base Application	
AP COORDINATOR	Accounts Payable Coordinator	Base Application	
AR ADMINISTRATOR	Accounts Receivable Administrator	Base Application	
SECURITY ADMINISTRATOR	Administration of users, user groups and permissions	Base Application	
BLANK	Blank Profile	System Application	
BOOKKEEPER	Bookkeeper	Base Application	
BUSINESS MANAGER	Business Manager	Base Application	
BUSINESS MANAGER EVAL...	Business Manager Evaluation	Base Application	

Converted user profile

Name	Type	Compressed size	Password prot...	Size	Ratio	Date modified
app.json	JSON File	1 KB	No	1 KB	47%	17-06-2022 10:29
PageCustomization_Business Manager Role Center_Configuration1.al	AL File	1 KB	No	1 KB	33%	17-06-2022 10:29
PageCustomization_Sales Quote_Configuration2.al	AL File	1 KB	No	1 KB	36%	17-06-2022 10:29
Profile.TEST.al	AL File	1 KB	No	1 KB	36%	17-06-2022 10:29

```
PageCustomization_Sales Quote_Configuration2.al X
C:\> Users > qutreson > AppData > Local > Temp > Temp1_profiles (2).zip > PageCustomization_Sales Quote_Configuration2.al
1 pagecustomization Configuration2 customizes "Sales Quote"
2 {
3   layout
4   {
5     modify(SalesLines)
6     {
7       Visible = false;
8     }
9   }
10  actions
11  {
12    addfirst(Category_Category4)
13    {
14      actionref(PageInteractionLogEntries_Promoted; PageInteractionLogEntries)
15      {
16      }
17    }
18  }
19 }
20
```

```
modify(PageInteractionLogEntries)
{
  Promoted = true;
  PromotedIsBig = true;
  PromotedCategory = Category4;
}
```

Designer conversion

```
actions
{
  0 references
  area(Processing)
  {
    0 references
    action(ActionName)
    {
      ApplicationArea = All;
      Promoted = true;
    }
  }
}
```

F6: Launch
Designer

Dynamics 365 Business Central

CRONUS International Ltd.

Sales Purchasing

TechDays | MyPageWithPromotedAction

Stop designing

More

MyPageWithPromotedAction: All

Search + New

The page that you want to design belongs to an app with obsolete syntax in the AL code. To continue with design, choose the Unlock page action, and the code will be automatically updated to the current syntax.

Unlock page

Name

Spotsmeyer's Furnishings

Progressive Home Furnishings

New Concepts Furniture

Candoxy Canada Inc.

705 West Peachtree Street

18 Cumberland Street

System ID

{327789c6-3316-ed11-b844-000d3a398e6b}

{fb238ccc-3316-ed11-b844-000d3a398e6b}

{04248ccc-3316-ed11-b844-000d3a398e6b}

{d1248ccc-3316-ed11-b844-000d3a398e6b}

Designer conversion

The screenshot displays the Dynamics 365 Business Central interface. At the top, the header shows 'Dynamics 365 Business Central' and navigation icons. Below this, the breadcrumb trail includes 'CRONUS International Ltd.', 'Sales', 'Purchasing', and 'TechDays | MyPageWithPromotedAction'. A 'Stop designing' button is visible. The main content area shows a list of actions under the heading 'MyPageWithPromotedAction: All'. The list includes 'Spotsmeyer's Furnishings', 'Progressive Home Furnishings', 'New Concepts Furniture', 'Candoxy Canada Inc.', 'Elkhorn Airport', and 'London Candoxy Storage Campus'. A code editor is overlaid on the right side of the list, showing X++ code for the 'actions' table. The code defines two areas: 'Processing' and 'Promoted'. The 'Processing' area contains an 'action' named 'ActionName' with the property 'ApplicationArea = All;'. The 'Promoted' area contains a 'group' named 'Category_New' with the property 'Caption = 'New';' and an 'actionref' named 'ActionName_Promoted; ActionName'.

```
actions
{
    0 references
    area(Processing)
    {
        1 reference
        action(ActionName)
        {
            ApplicationArea = All;
        }
    }
    0 references
    area(Promoted)
    {
        0 references
        group(Category_New)
        {
            Caption = 'New';

            0 references
            actionref(ActionName_Promoted; ActionName)
            {
            }
        }
    }
}
```

Alt + F6: Pull Designer Changes

Consistency of Action Bar

Consistency of promoted categories and actions

Promoted action categories consistently placed within specific processes and across similar processes

- All Sales documents have consistent promoted categories

- All Purchase documents have consistent promoted categories that have similar placement to promoted categories in Sales documents

Promotion of actions informed by telemetry and their placement within categories balanced with rules

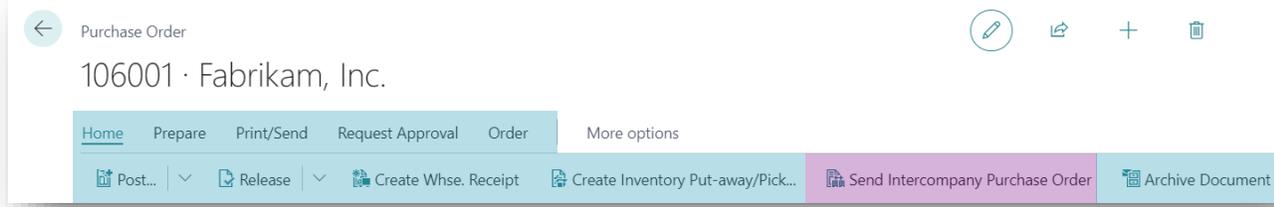
- Multiple prominent actions are promoted based in usage insights

Consistency of Promoted Categories and Actions

Orders in Legacy Action Bar



Orders in Modern Action Bar



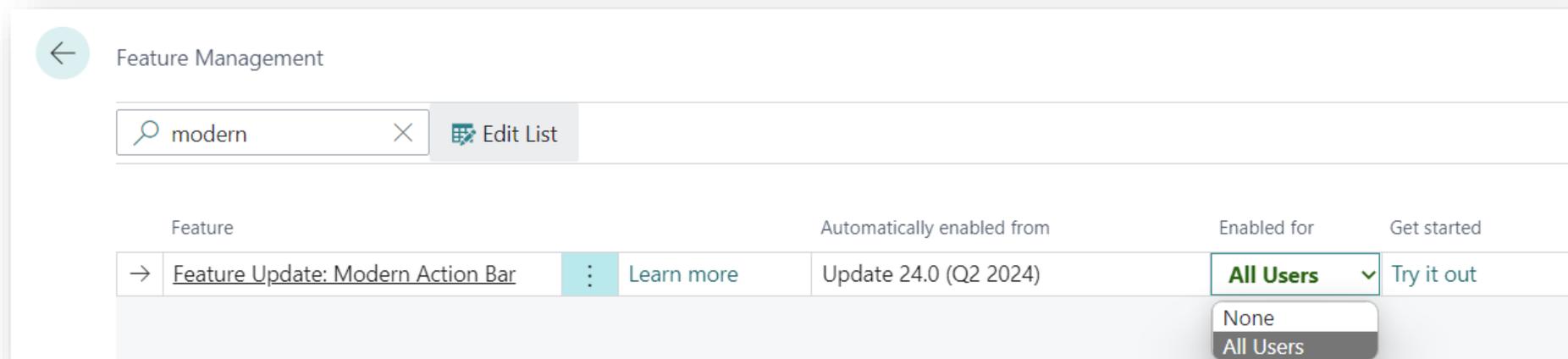
Managing disruption of Modern Action Bar

Enable Modern Action Bar when you are ready

Existing customers can enable Modern Action Bar when they are ready

Users can try it – enabled only temporarily when they click “Try it out”

Administrators can enable it for all users, but can also switch it off



New customers (from October) get Modern Action Bar enabled by default

Capabilities behind Modern Action Bar feature key

1. Process action category renamed to Home
2. Post and Release action groups moved to Home and converted to split buttons
3. Action bar is now presented in pinned state
4. "More options" automatically expanded in the Lines subpage

The screenshot illustrates the Modern Action Bar feature key capabilities across two pages: Sales Order and Sales Invoice. The Sales Order page shows the action bar with categories: Process, Report, Approve, Release, Posting, Prepare, Order, Request Approval, Print/Send, and Navigate. The Sales Invoice page shows the action bar with categories: Home, Prepare, Request Approval, Invoice, and More options. The Home category is expanded, showing Post and Release split buttons. The Release button is further expanded, showing Release and Reopen options. The More options category is expanded, showing Lines, Manage, Line, and Fewer options. The Lines subpage is shown with a table of items and a comment.

1 Home

2 Release

3 More options

4 Lines

Type	No.	Item Reference No.	Description	Location Code	Quantit
→ Item	1968-S		MEXICO Swivel Chair, black		
Item	1996-S		ATLANTA Whiteboard, base		
Comment			Thank you for ordering		

Summary

Use new promoted action model (backwards compatible) based on ActionRefs

Use actions in context menu without promoting them

Efficiently access to most important actions in group through split-buttons

Auto-pinned by default action bar provides efficient access to most important actions

Reduced ambiguity of action group names (Process -> Home, merge of Navigate -> "Entity")

Enhanced personalization capabilities of promoted actions

Reduced redundancy in action repository

Automated conversion of in-client personalization and customizations

Use code actions to convert your apps and extensions to new promoted actions model

Consistent action bar across most used pages in Base Application

Controlled user experience disruption through Modern action bar feature key

Actions for you

Read about of Modern Action Bar in Wave 2 2022 release plan ([link](#))

Read **developer** documentation on promoted actions ([link](#))

Convert your apps and extensions to new promoted actions model ([link](#))

Update your apps if your hidden action groups contain promoted actions ([link](#))

Consider viewed detailed BCTechDays recording on the topic as well ([link](#))

Read **end user** documentation on modern action bar([link](#))

Try Modern Action Bar now by enabling it in your environments ([link](#)*)

Got feedback on Modern Action Bar – go to aka.ms/bcideas

Other resources

Learn more!



Have a question?
aka.ms/BCYammer



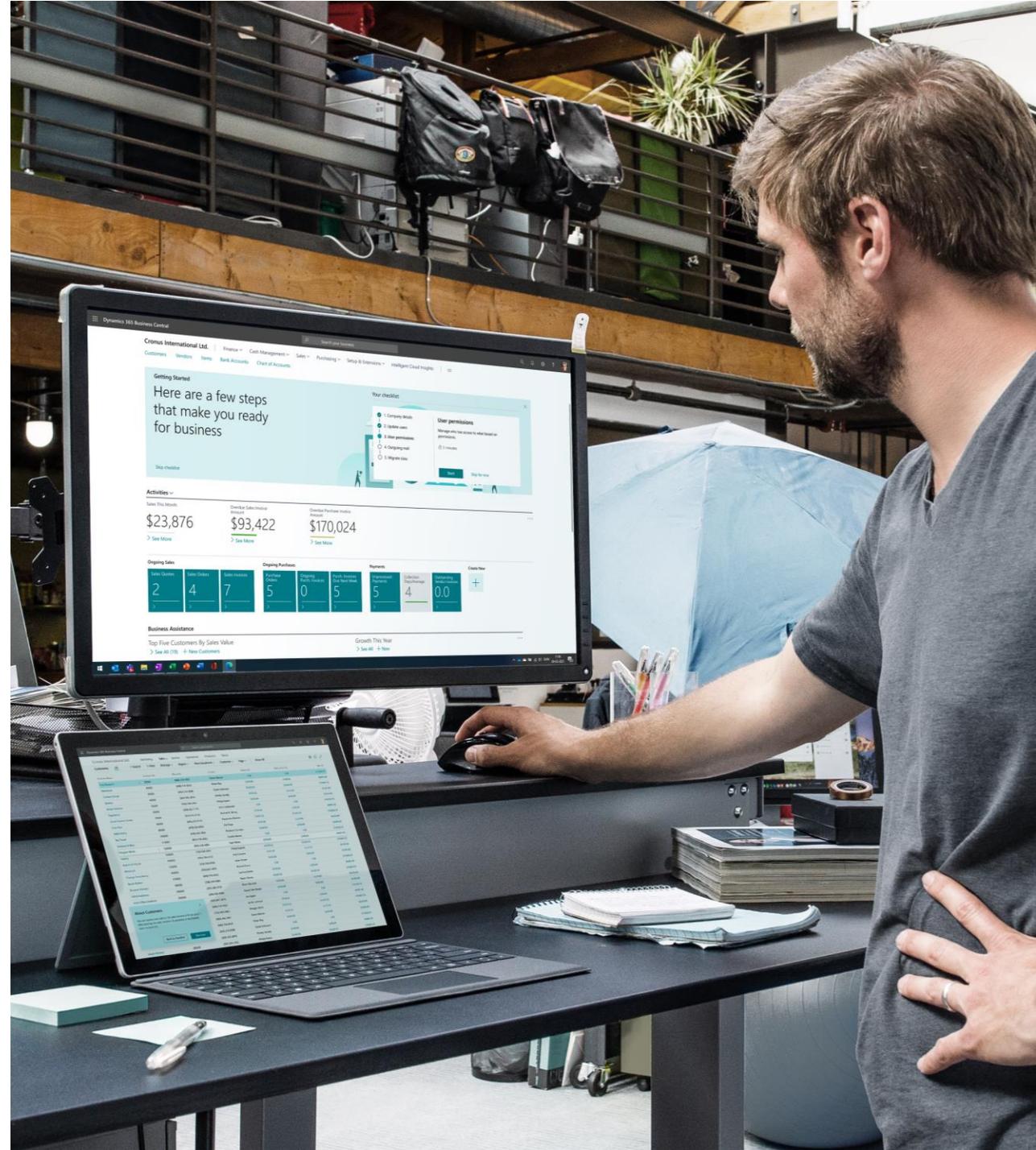
Join the conversation
<https://twitter.com/MSDYN365BC>



Watch the latest BCLE sessions
aka.ms/BCLE



Submit your ideas
aka.ms/BCIdeas



Thank you

