Microsoft Dynamics 365

What's New Business Central 2020 Wave 1 Release

Errol Schoenfish

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Sample code included in this presentation is made available AS IS.

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Announcement on Availability

-No Changes to Initial Deployment Schedule

- Additional time will be provided for existing customers to update

https://docs.microsoft.com/en-us/dynamics365/get-started/release-schedule#dynamics-365-business-central

Release Themes

1. **Productivity via Modern Client**
2. **Application Enhancements**
3. **Service and Development Fundamentals**
4. **Cloud Migration Tools**

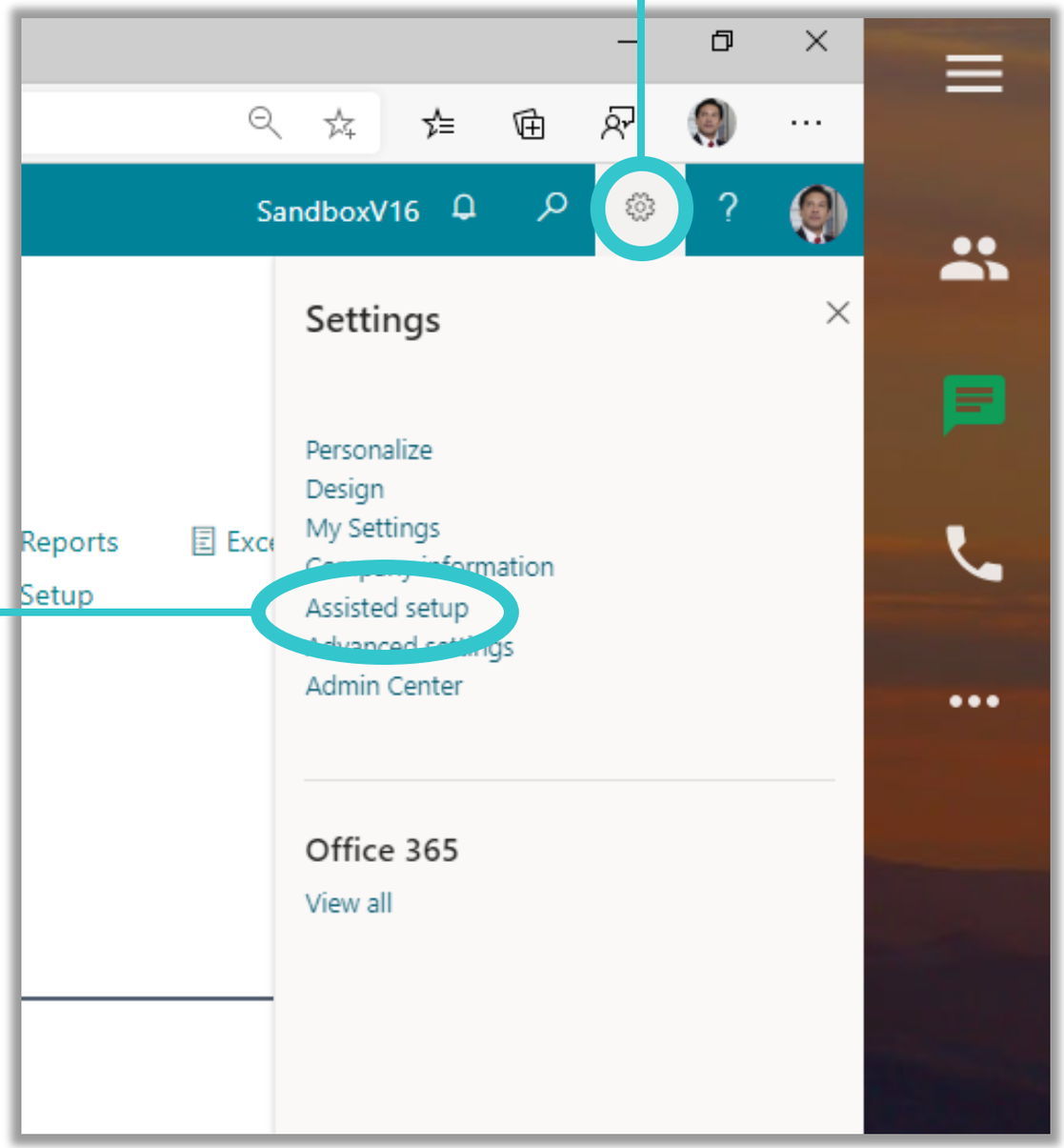
Microsoft Dynamics 365

Modern Client Productivity

New “Beautified” Onboarding

Your personal settings and setup of critical business processes, in one place

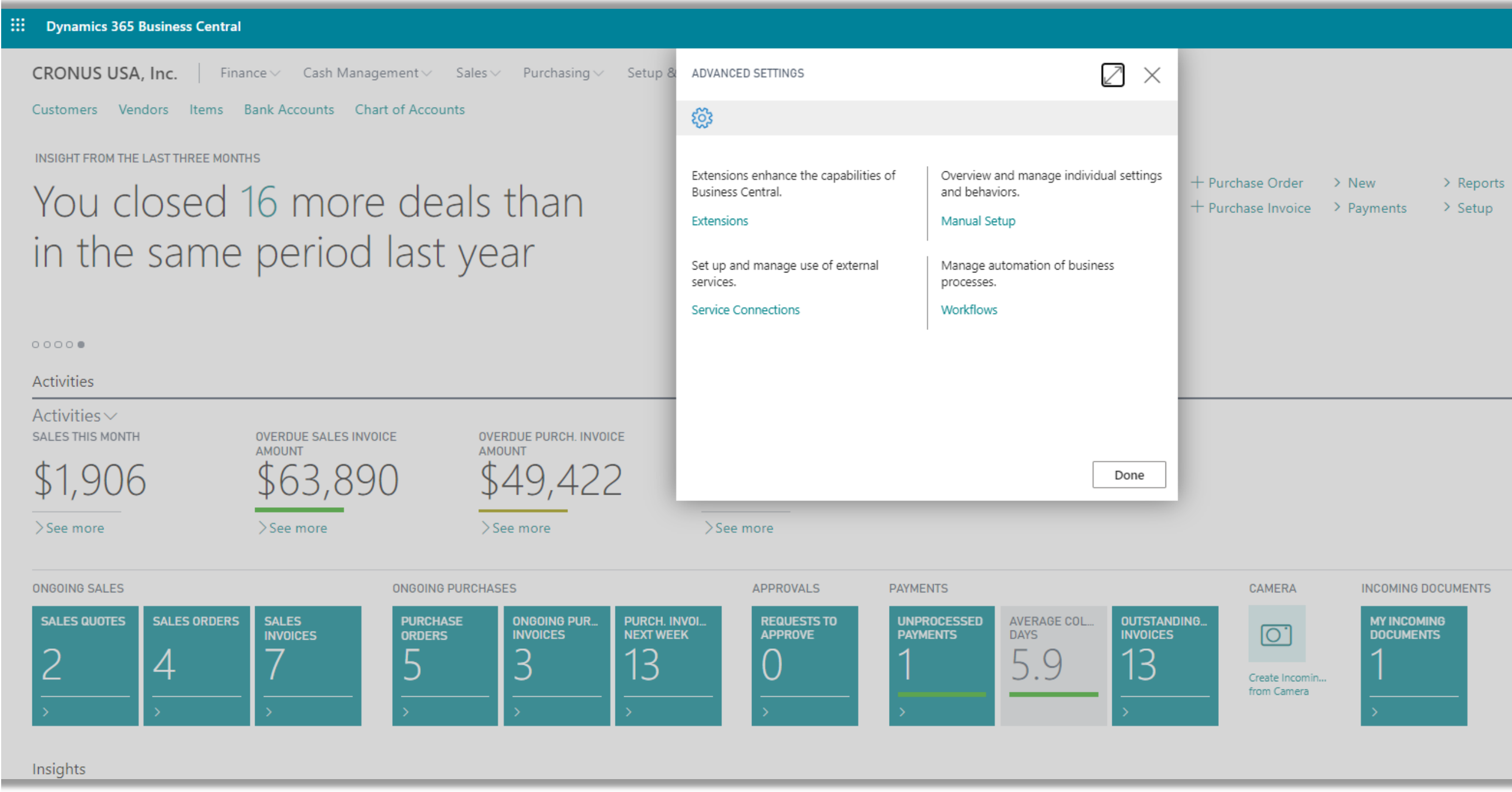
Quickly get to categorized assistants that walk you through setting up features



ASSISTED SETUP | WORK DATE: 4/6/2020

Open in Excel | More options

Name	Completed	Help	Video	Description
Set up your company	☐	_	_	
Set up exchange rates	☐	Read	Watch	Set up exchange rates
Set up my company	☐	Read	_	Tell us some basic information about your business so you can start work.
Update users from Office	☐	_	_	
Set up sales tax	☑	Read	Watch	Set up sales tax information for your company, customers, and vendors.
Get ready for the first invoice	☐	_	_	
Set up email	☐	Read	Watch	Set up the email account that you use to send business documents to customers and vendors.
Customize document layouts	☐	Read	_	Make invoices and other documents look right for your business.
Report on financial health	☐	_	_	
Set up reporting data	☐	Read	_	Create data sets that you can use for building reports in Excel, Power BI, or any other reporting t...
Get ready for business	☐	_	_	
Set up payment services	☐	Read	_	Connect to a payment services so that your customers can pay you electronically.
Migrate business data	☐	Read	Watch	Import existing data to Business Central from your former system.
Set up Cloud Migration	☐	Read	_	Migrate data from your on-premises environment to Business Central.
Invite external accountant	☐	Read	_	Send a link to your external accountant so that they can access your Business Central.
Set up AMC Banking 365 Foundation extension	☐	Read	_	Connect to an online bank service that can convert bank data from Business Central into the for...
Connect with other systems	☐	_	_	
Set up Dynamics 365 Sales connection	☐	Read	Watch	Connect your Dynamics 365 services for better insights.
Set up the Common Data Service connection	☐	Read	_	Connect to Common Data Service for better insights across business applications.
Do more with Business Central	☐	_	_	
Set up your Business Inbox in Outlook	☐	Read	Watch	Configure Exchange so that users can complete business tasks without leaving their Outlook inb...
Set up cash flow forecast	☐	Read	_	Manage your cash flow by automatically analyzing specific general ledger accounts.
Set up approval workflows	☐	_	_	
Set up approval workflows	☐	Read	Watch	Create approval workflows that automatically notify an approver when a user tries to create or c...
Set up email logging	☐	Read	Watch	Track email exchanges between your sales team and customers and prospects, and then turning...
Set up an item approval workflow	☐	_	_	Create approval workflows that automatically notify an approver when a user tries to create or c...
Set up a customer approval workflow	☐	_	_	Create approval workflows that automatically notify an approver when a user tries to create or c...
Set up a payment approval workflow	☐	_	_	Create approval workflows that automatically notify an approver when a user sends payment jo...


Dynamics 365 Business Central
CRONUS USA, Inc.
Finance
Cash Management
Sales
Purchasing
Setup &
Customers
Vendors
Items
Bank Accounts
Chart of Accounts
INSIGHT FROM THE LAST THREE MONTHS
You closed 16 more deals than in the same period last year
Activities
Activities
SALES THIS MONTH
$1,906
See more
OVERDUE SALES INVOICE AMOUNT
$63,890
See more
OVERDUE PURCH. INVOICE AMOUNT
$49,422
See more
See more
ONGOING SALES
SALES QUOTES
2
SALES ORDERS
4
SALES INVOICES
7
ONGOING PURCHASES
PURCHASE ORDERS
5
ONGOING PUR... INVOICES
3
PURCH. INVOI... NEXT WEEK
13
APPROVALS
REQUESTS TO APPROVE
0
PAYMENTS
UNPROCESSED PAYMENTS
1
AVERAGE COL... DAYS
5.9
OUTSTANDING... INVOICES
13
CAMERA
Create Incomin... from Camera
INCOMING DOCUMENTS
MY INCOMING DOCUMENTS
1
Insights
ADVANCED SETTINGS
Extensions enhance the capabilities of Business Central.
Extensions
Overview and manage individual settings and behaviors.
Manual Setup
Set up and manage use of external services.
Service Connections
Manage automation of business processes.
Workflows
Done
Purchase Order
Purchase Invoice
New
Payments
Reports
Setup

Modern Client Improvements

Disable Export of Data to Excel

Expand and Collapse Document Lines

Enable Non-Interactive Printing in the Cloud

Enter Data More Easily

Cancel Long Running Operations

Device Orientation Enhancements

Improved Page Load Time

Import Profiles and UI Customizations

Navigate Trees More Easily

Optimized Page Space

Show and go to related records from a list

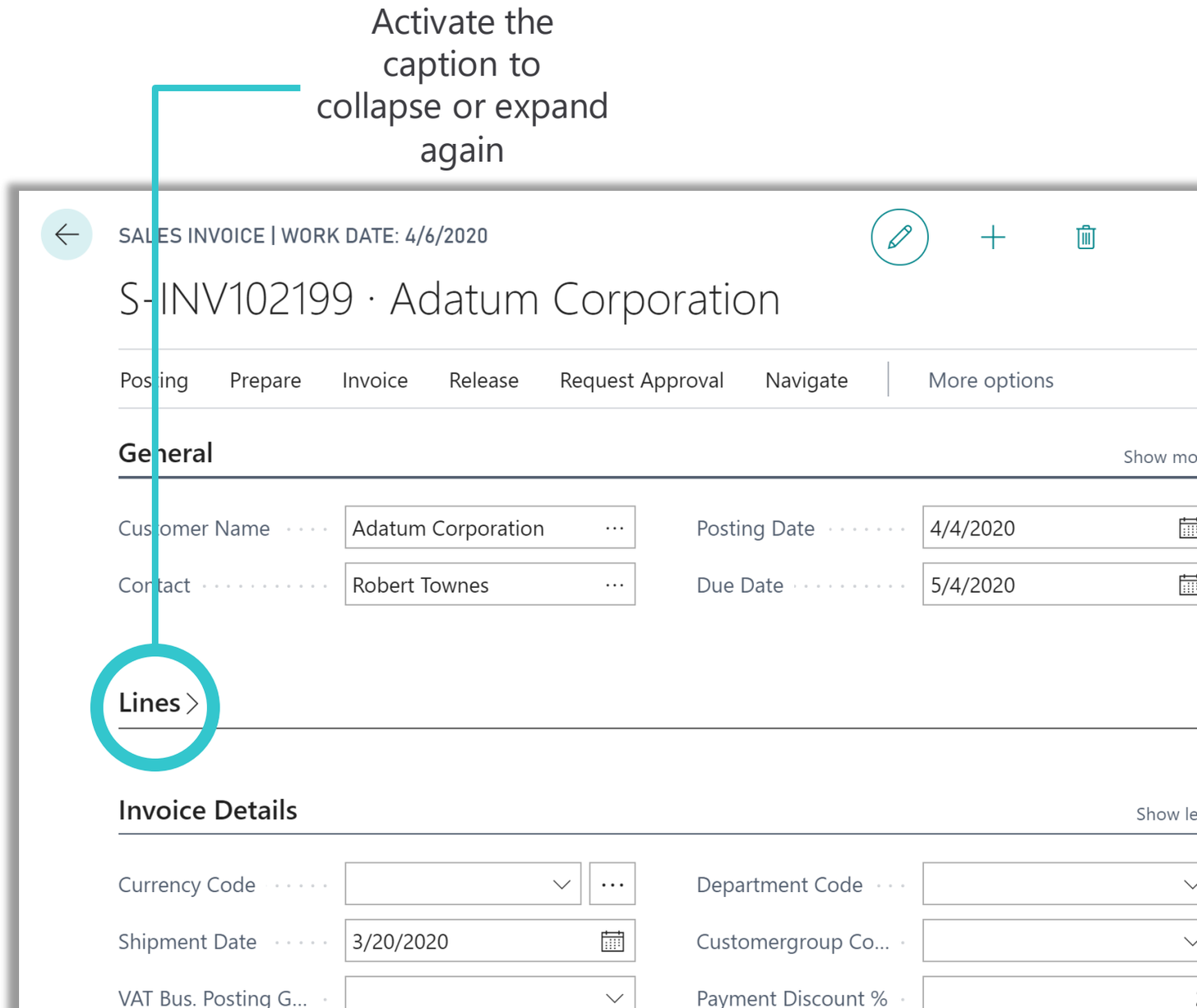
Unhide Parts on a Page

Find Function on Role Explorer

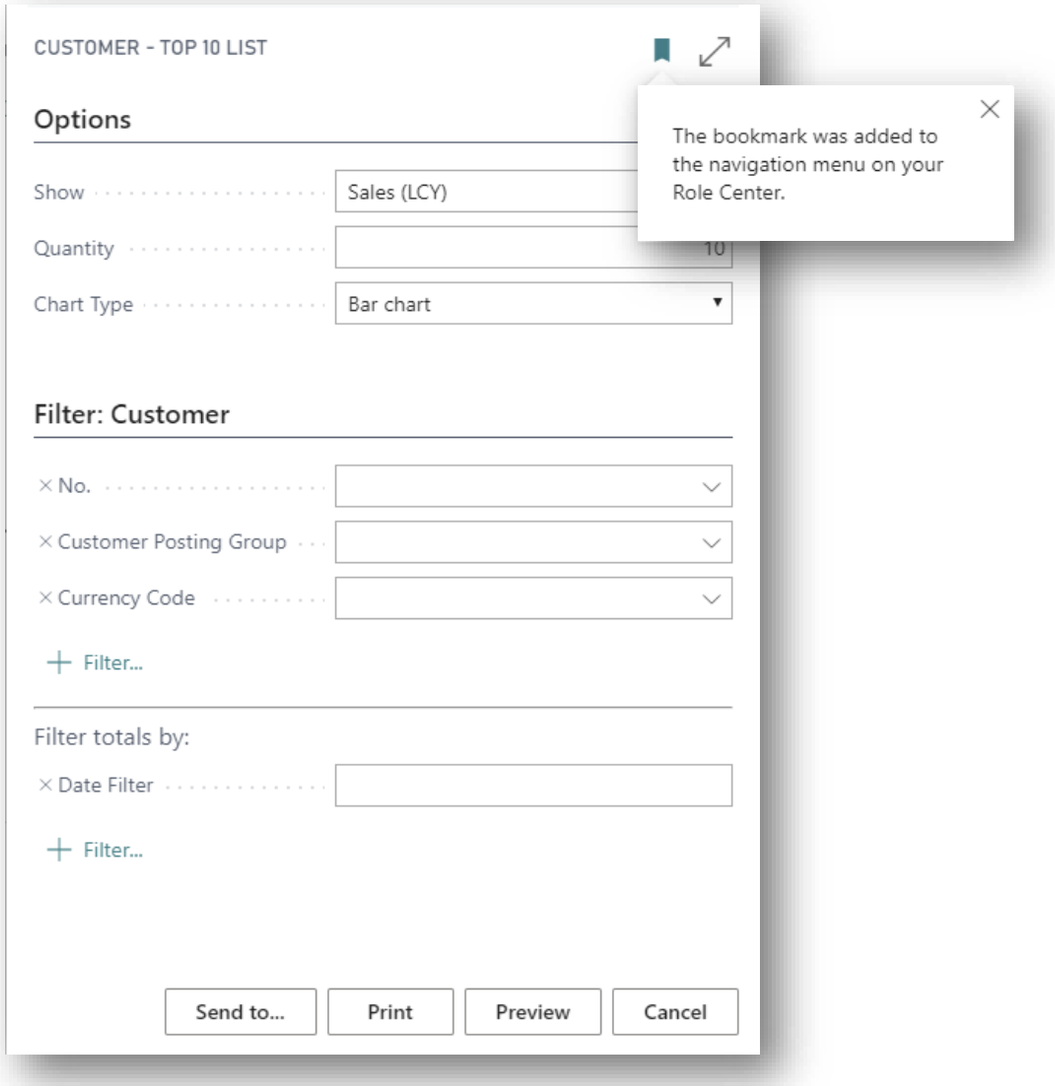
Use Filters and Views More Easily

Collapsible Document Lines

- Users are in control: optimize your space as you work!
- Similar experience to how FastTabs behave
- Remembers your last preference
- Alt+F6 shortcut to toggle expand/collapse
- Applies to any ListParts at the root of a Card or Document page



Bookmark a link to a report

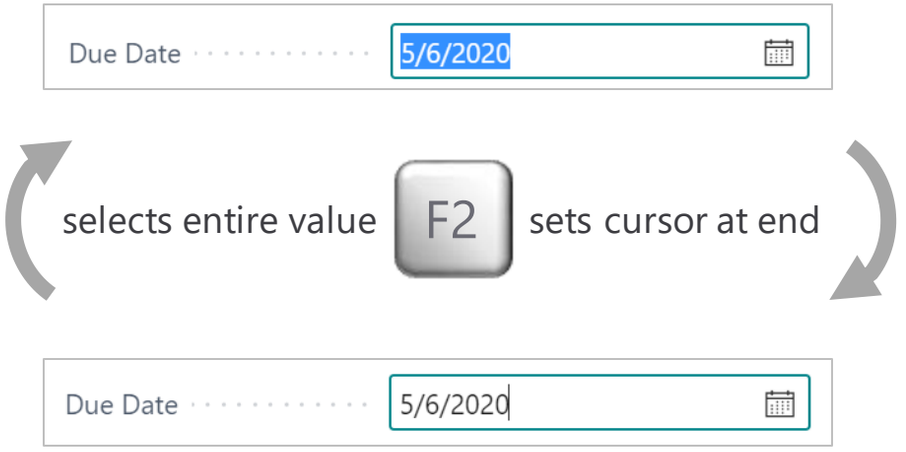


- Look for the Bookmark icon
  - In the TellMe window
  - On most report request pages
- Add a link to that report in your navigation menu
- Save clicks and time by bookmarking the reports you use most often
- Available when
  - Personalizing
  - Customizing a role
  - Using the in-app Designer

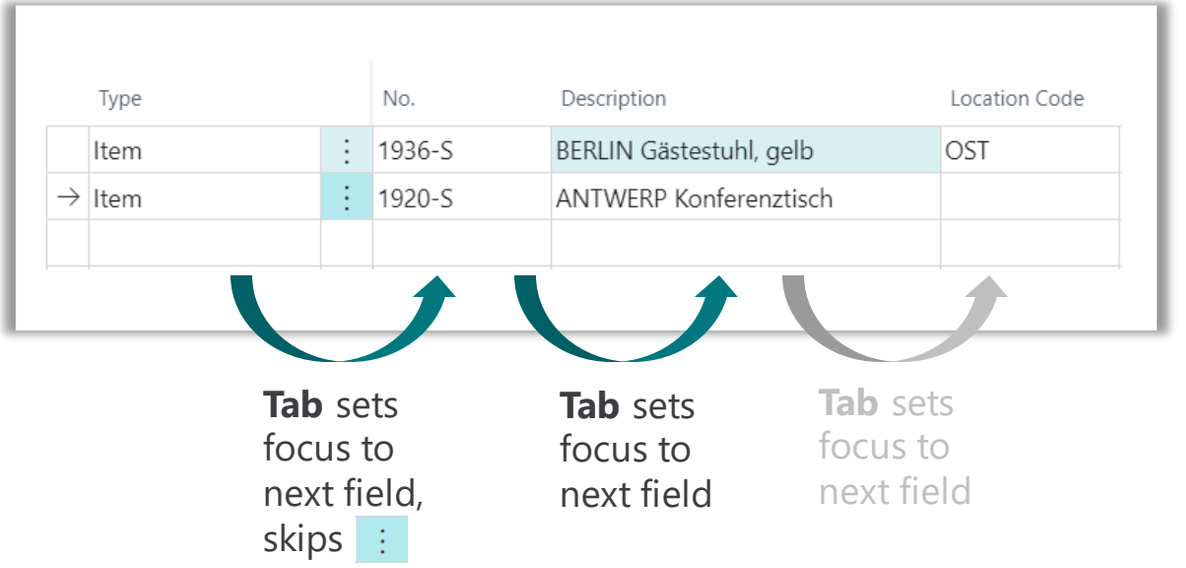
Available as early as Update 15.4

Improved data entry

F2 key toggles selection of field value
- Replace vs Add to value
- Efficient mouse-free experience
- For editable fields and cells

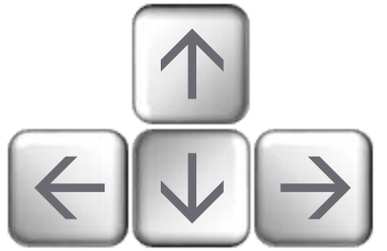


Tab key consistently skips over row menu ⋮
- Predictability as you type out a row
- Improved heads-down entry experience
- Applies to editable rows



Note:
- Shift+Tab also skips row menu
- Menu still reachable using arrow keys

Improved data exploration



Navigate across cells

- Arrow keys select next cell value up, down, left, right
- Consistent across editable/readonly cells
- Efficient single-handed, mouse-free experience

Type	No.	Description ↑	Location Code	Quantity	Qty. to Assemble to Order	Unit of Measure Code	Unit Price Excl. VAT
Item	1920-S	ANTWERP Conference table		1	0	STÜCK	651.10
Item	1936-S	BERLIN Guest Chair	OST	10	0	STÜCK	193.70
Item	1928-S	AMSTERDAM Lamp		2	0	STÜCK	55.20

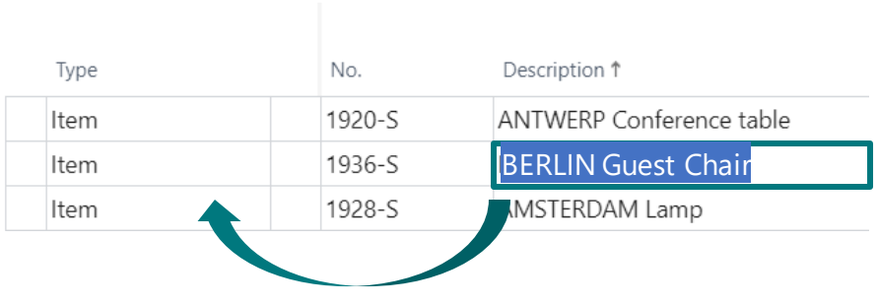
Navigate out of current cell

- Easily add to cell value then advance to the next cell
  - Right-arrow when cursor is at end of value
  - Left-arrow when cursor is at beginning of value
- For editable cells only

Right-Arrow
sets focus to next field value

Navigate to beginning or end

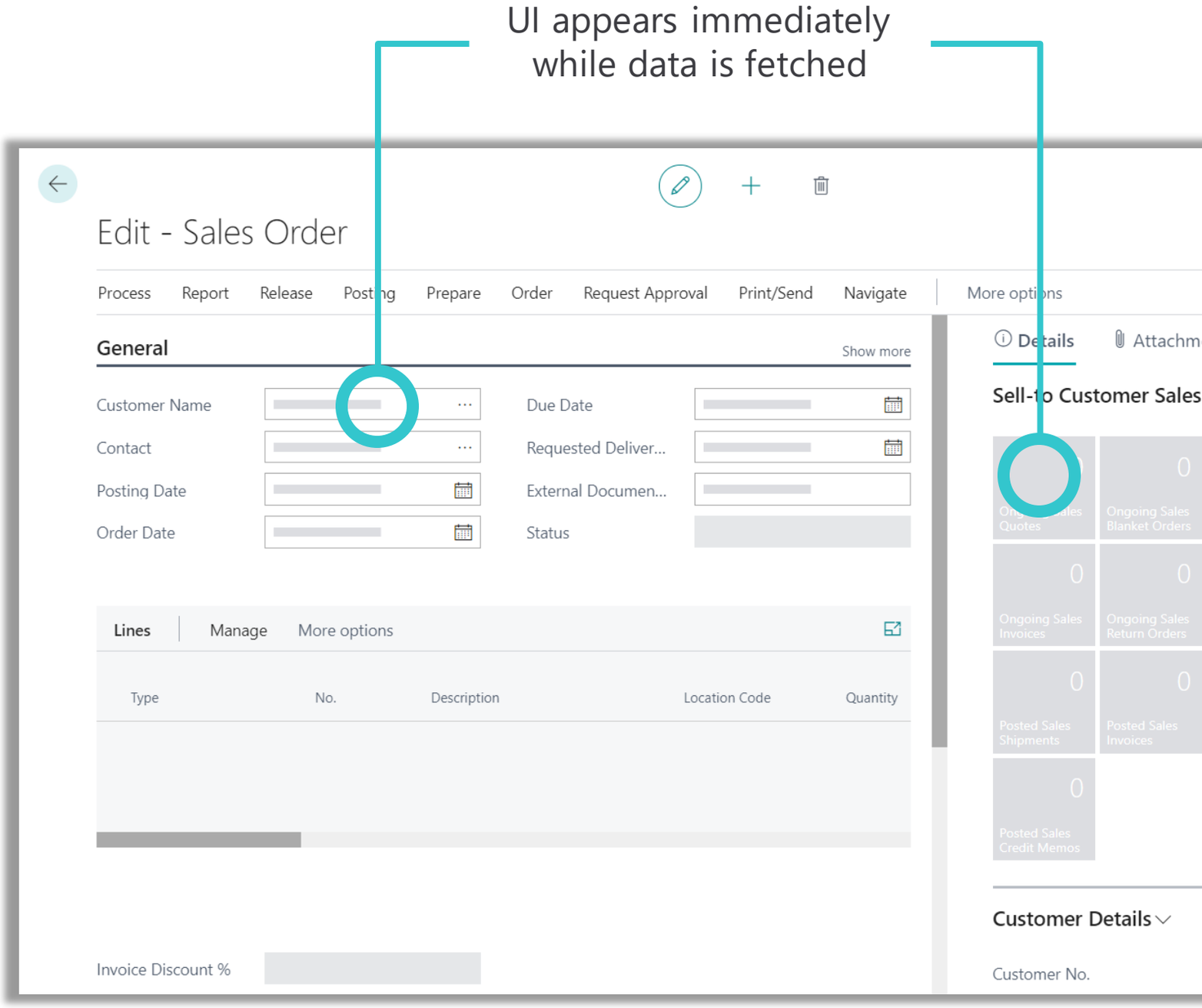
- Home / End keys are contextual
  - If cursor within cell value, go to start/end of value
  - If entire cell selected, go to first/last cell



Home
sets focus to first cell

Pages load faster

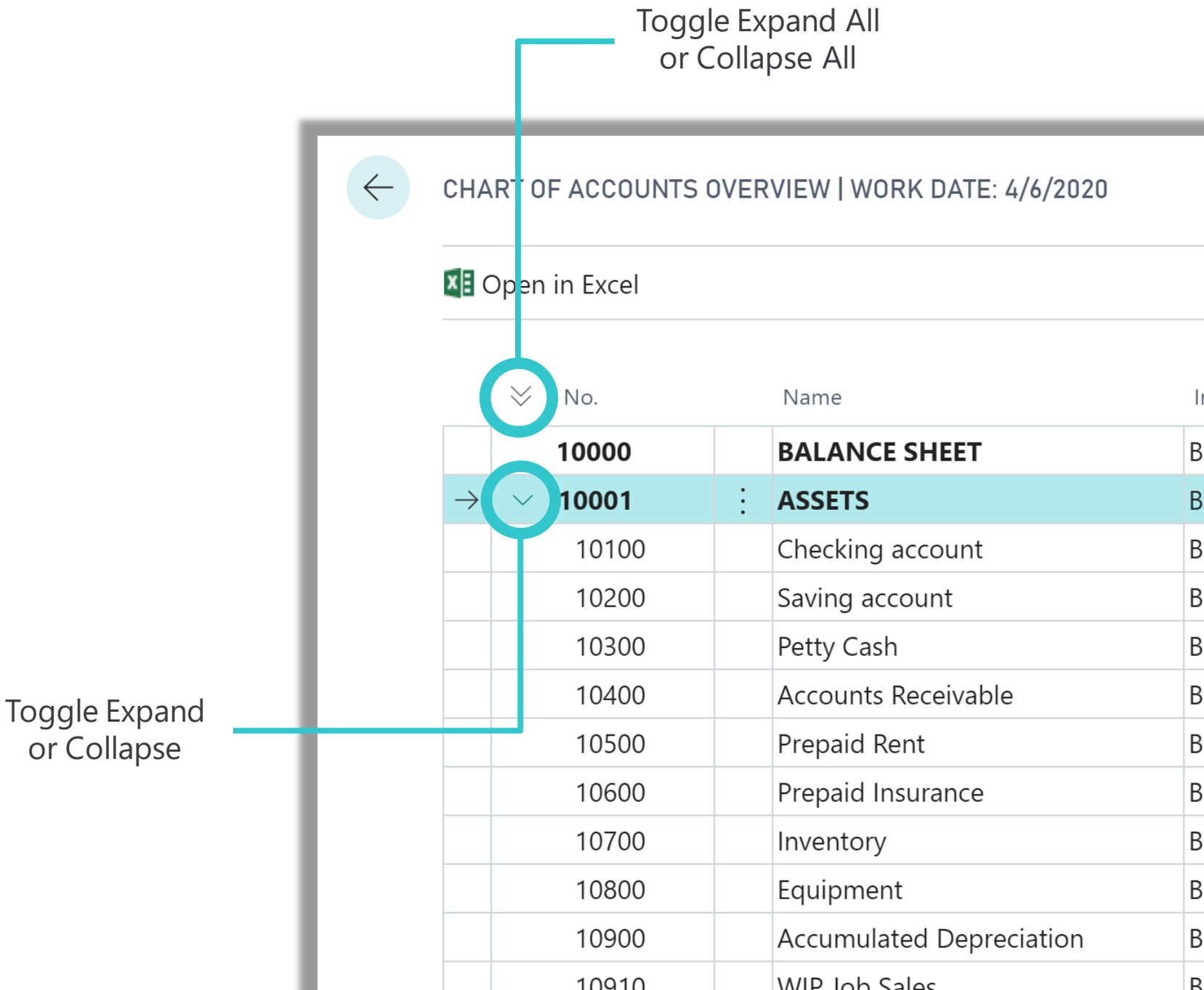
- Pages open quicker after the first time they are accessed.
- Structure of the page is shown first, giving context while data loads
- Even when you sign in again!*
- Best experienced on modern browsers



* Available from Update 16.1

Navigate trees more easily

- Explore hierarchical data using any input method
- Intuitive buttons integrated into the list
- Remembers your preference to start fully expanded or collapsed on each page, per user or per role.
- Automatically available for any list with AL property ShowAsTree=True
- New property TreeInitialState puts developers in control



Better utilization of space on a page

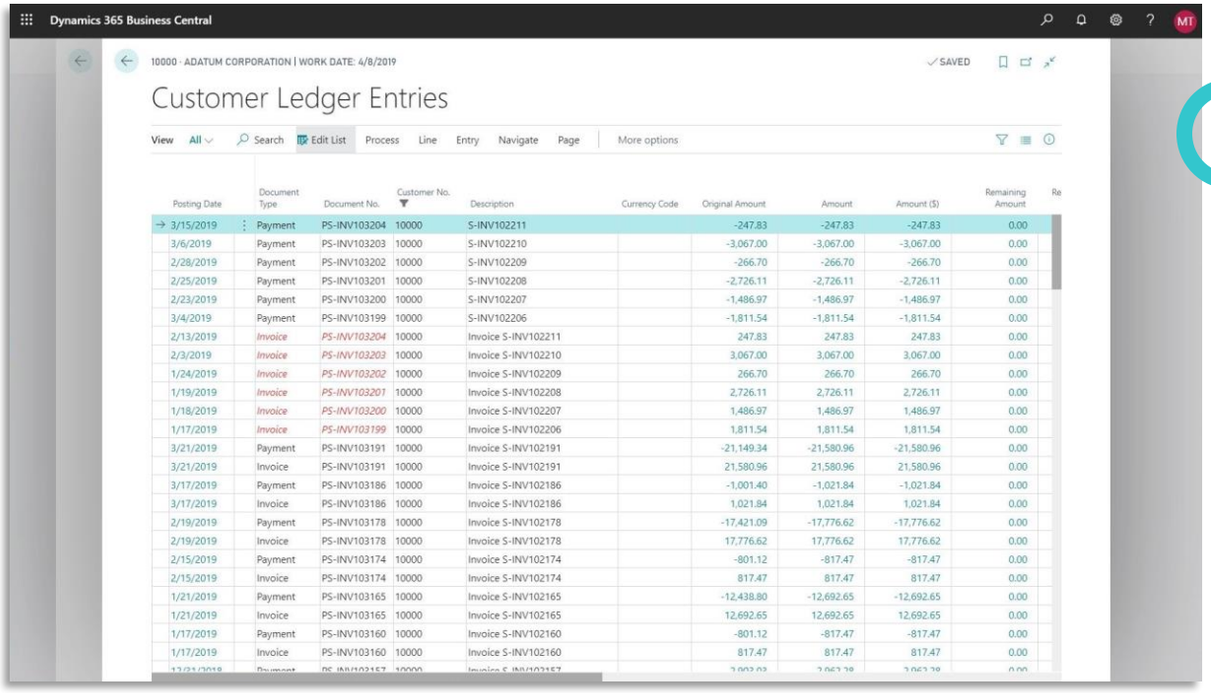
Expand page to Wide to benefit from

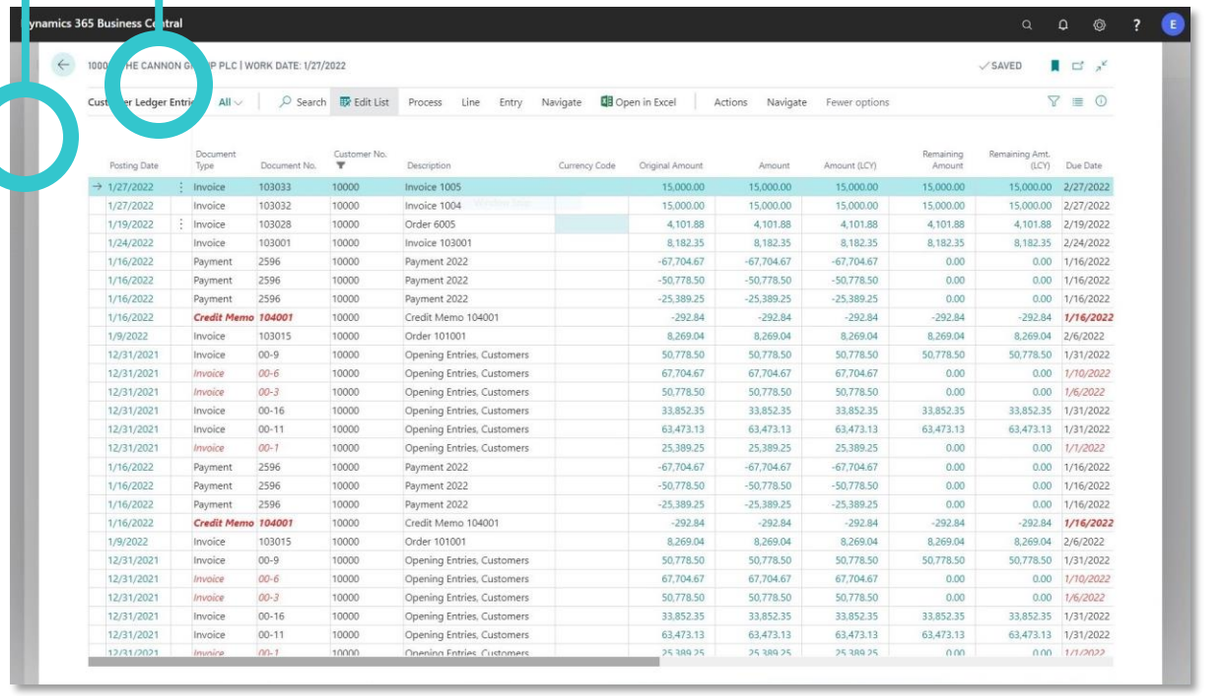
- More compact page caption
- Minimal grey-space

Reduced spacing for caption-less groups

Approximately
15% more horizontal space*
5% more vertical space*

* Actual space saving varies by Page Type, code patterns, screen resolution and browser zoom applied.





Business Central update 15.0

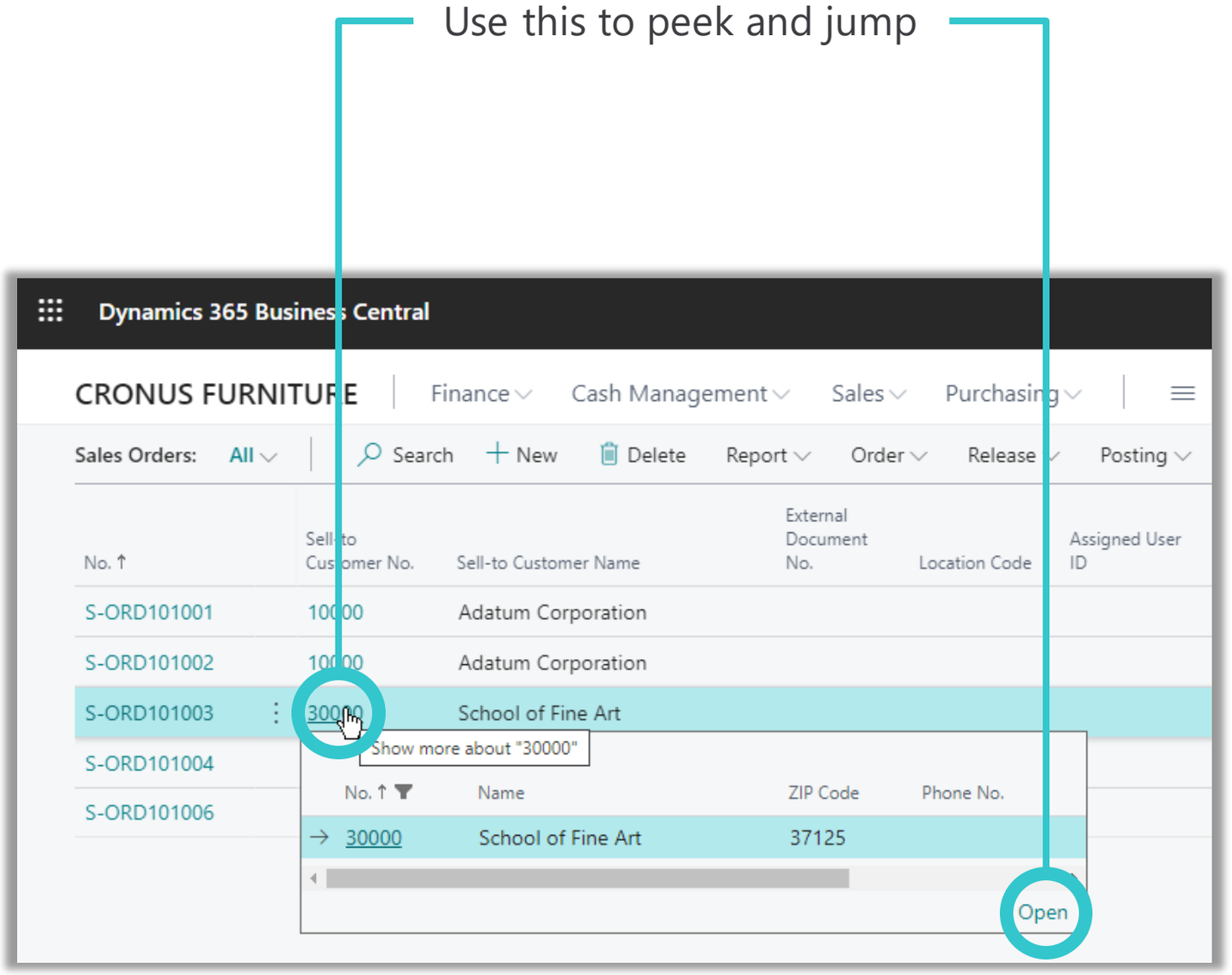
Example: simple list page gains 2 columns and 1 row on screen

Business Central update 16.0

Jump to related record

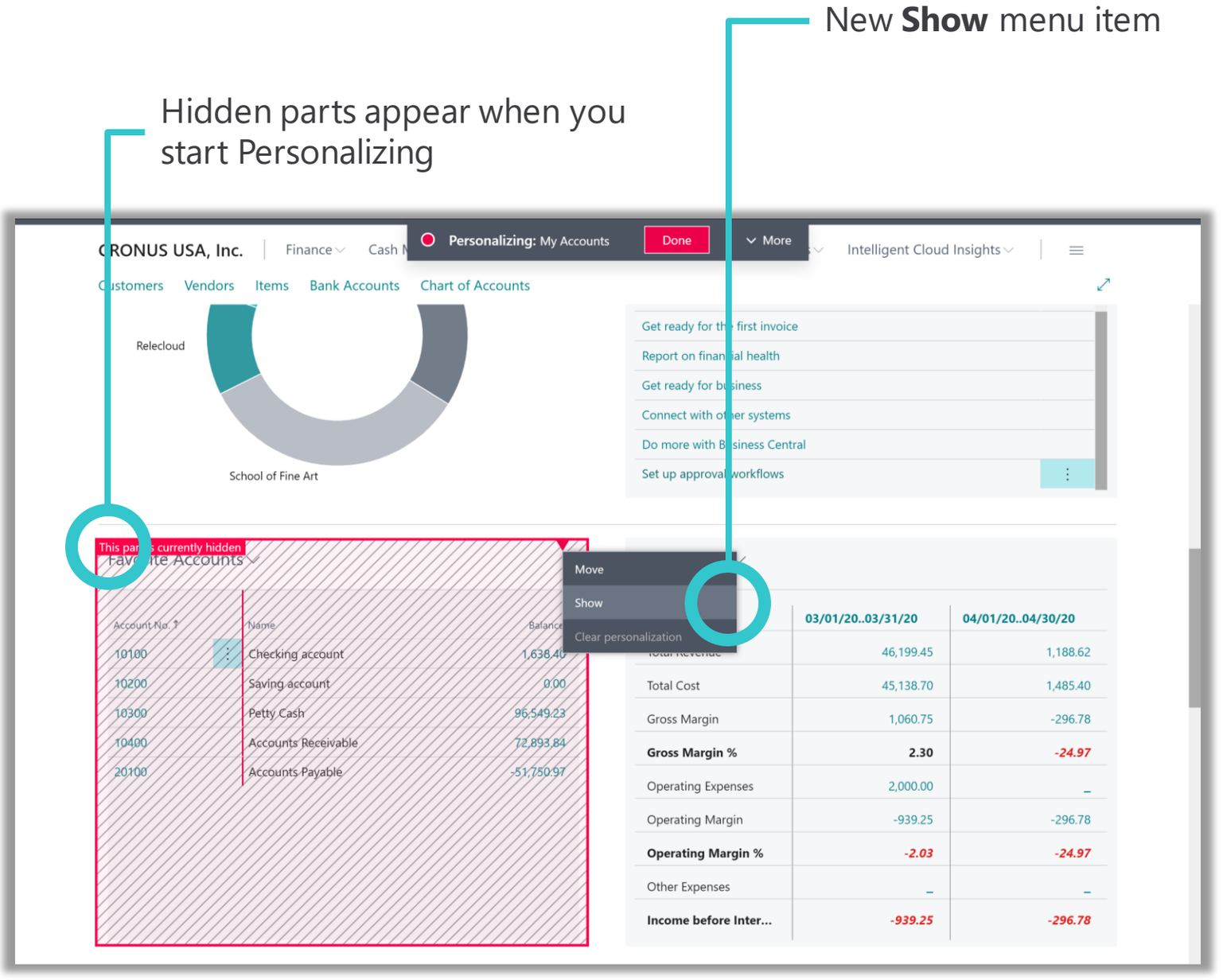
- Navigate via links to related entries
- Enhances the ability to drill down and travers via pages
- Enabled for fields with lookup triggers and table relation defined

- Example: Open customer or item card from sales order in view mode



Unhide Parts on a Page

- Optimize your workspace by bringing secondary content back into view
- Applies to all parts, such as
  - Role Center parts
  - FactBoxes on any page
  - Parts on the canvas of a page
- Available when
  - Personalizing
  - Customizing a role
  - Using the in-app Designer

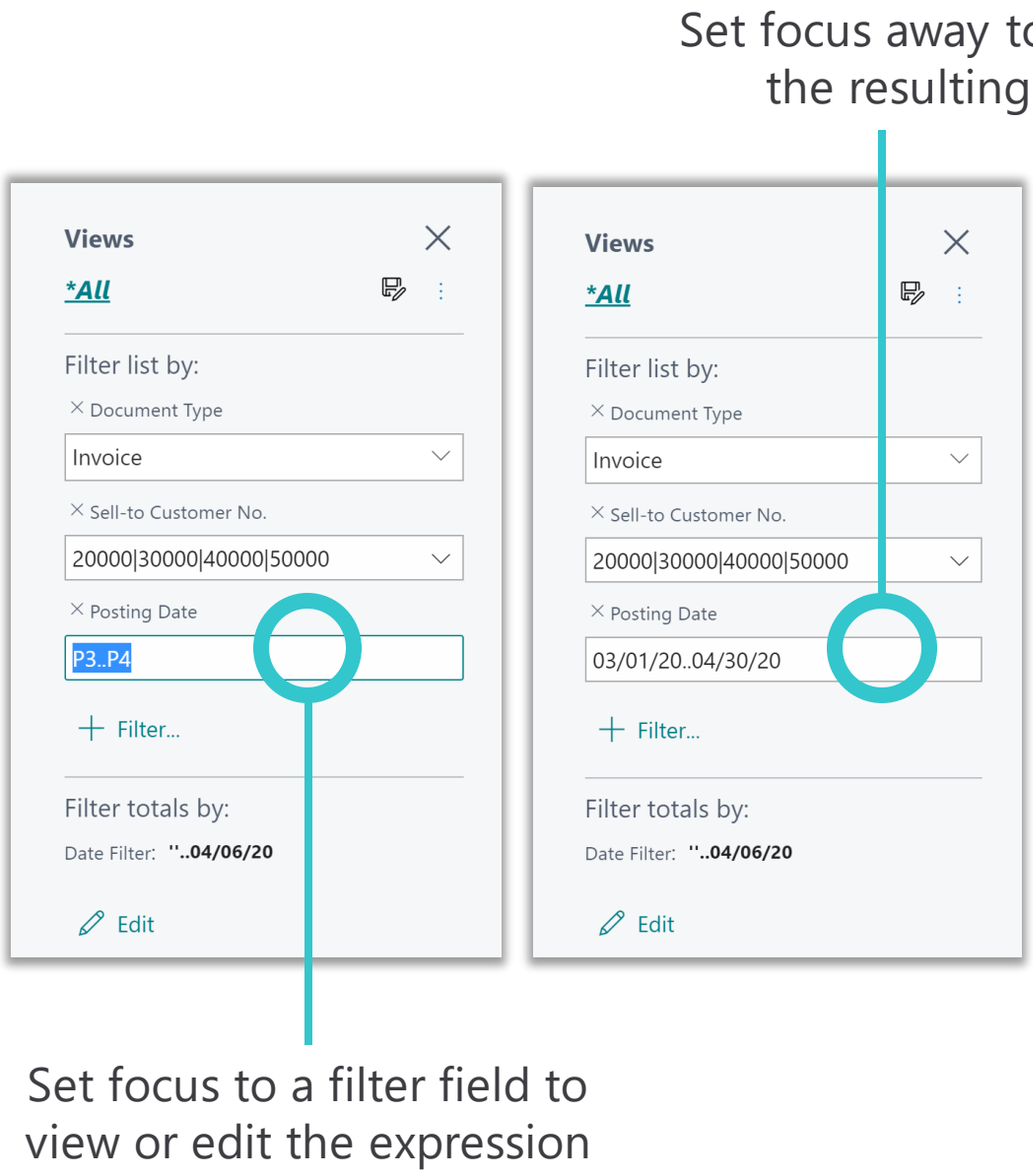


Improved Filter Expressions

Toggle between the **value** and **expression** of a filtered field

Easily edit the expression that may include date ranges, filter tokens and other keywords.

Applies to
- Filters on Lists
- Filters on Reports
- Filters on XmlPorts
- Filters on similar filter screens



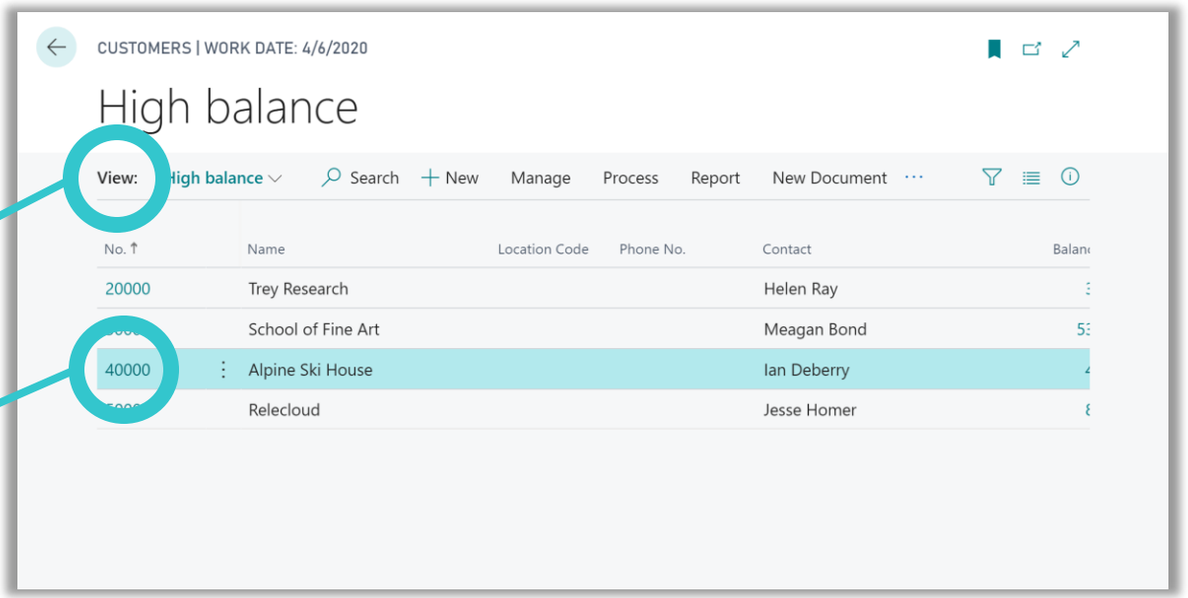
Sharing links to records

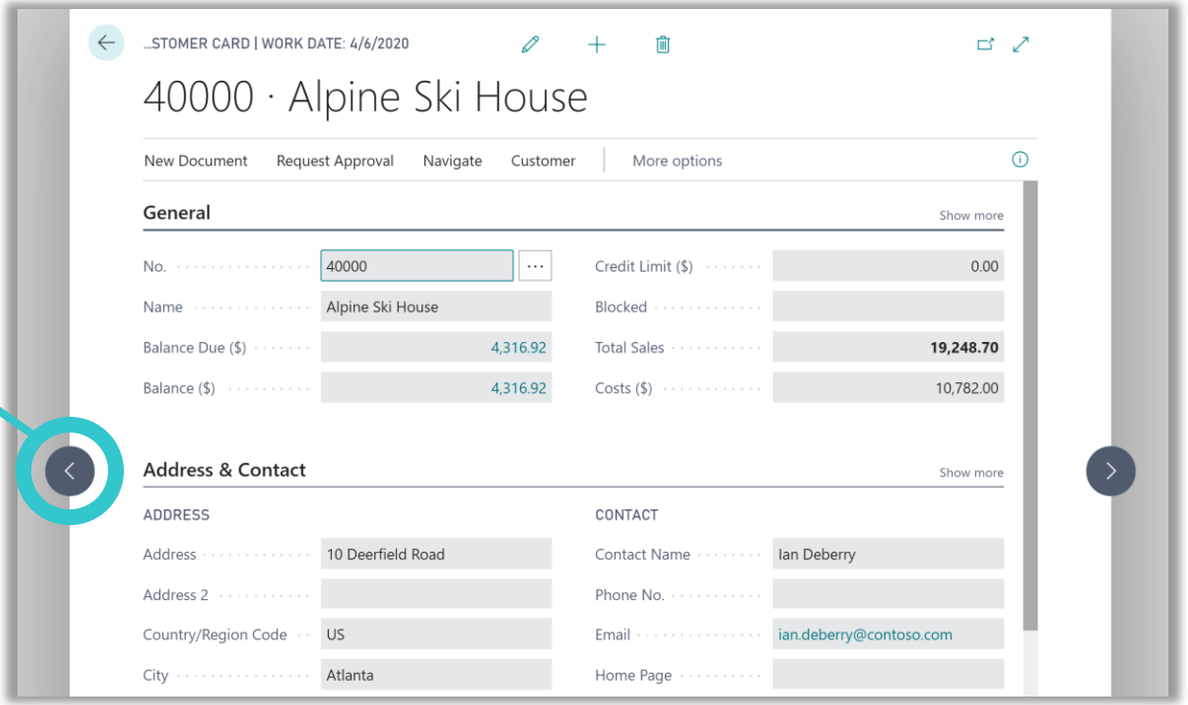
Web client Url is automatically updated as you navigate, now includes

Your current list view and the filters it applies

The (single) currently-selected row

The current record, even if you get to it using previous/next





Great for these scenarios!

- Adding a deep link to your browser Favorites
- Sharing a deep link with a colleague
- Pick up where you left off after you reload the webpage or your session times out

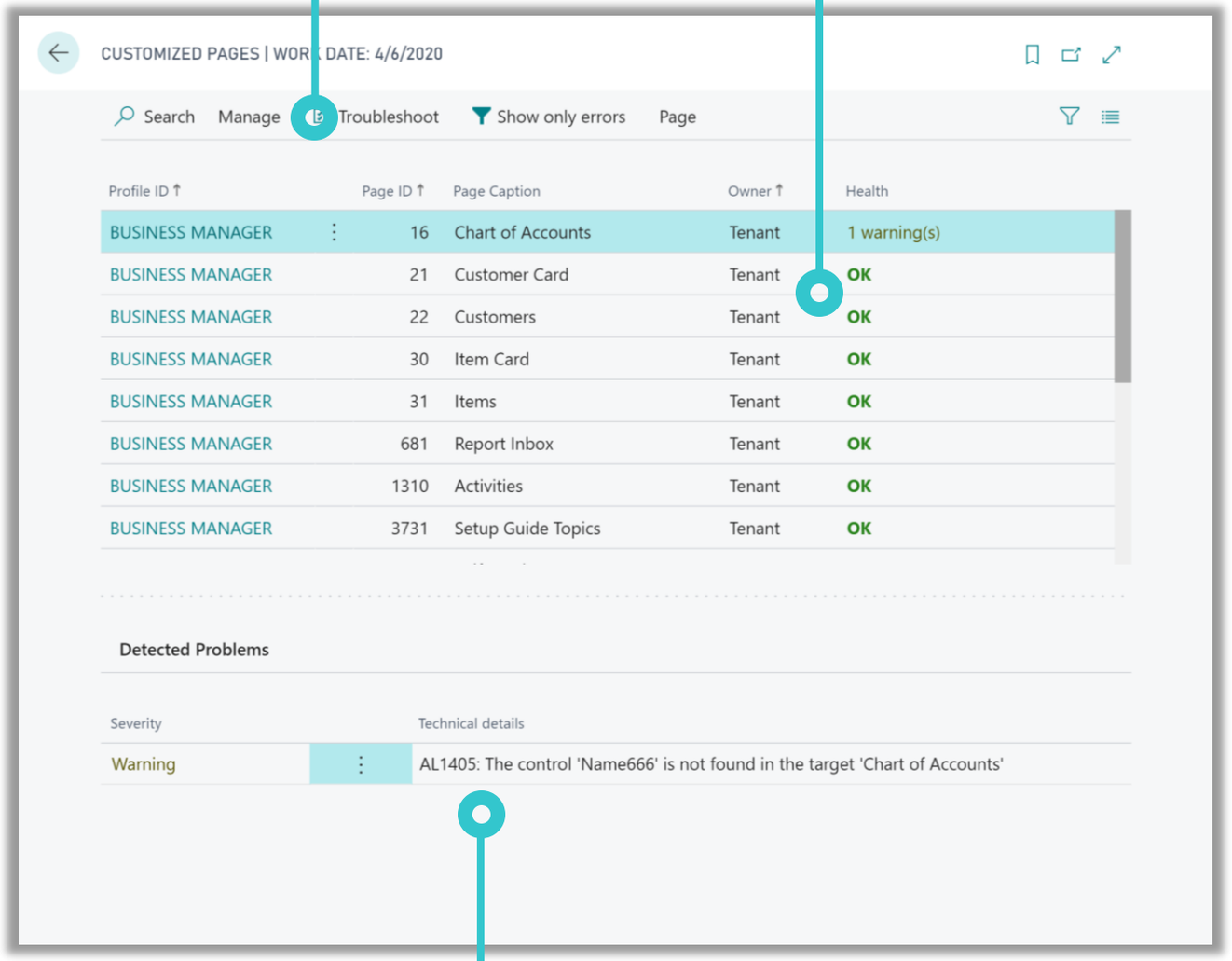
Troubleshooting UI Customization

Admins get insights into the health of
- Personalization per user/page
- Role customization per profile/page

Admins resolve issues by
- Deleting the offending UI Customization
- Exporting profiles, correcting page customizations in AL format and re-importing

Run a series of diagnostic tests

Health is reported per customized page

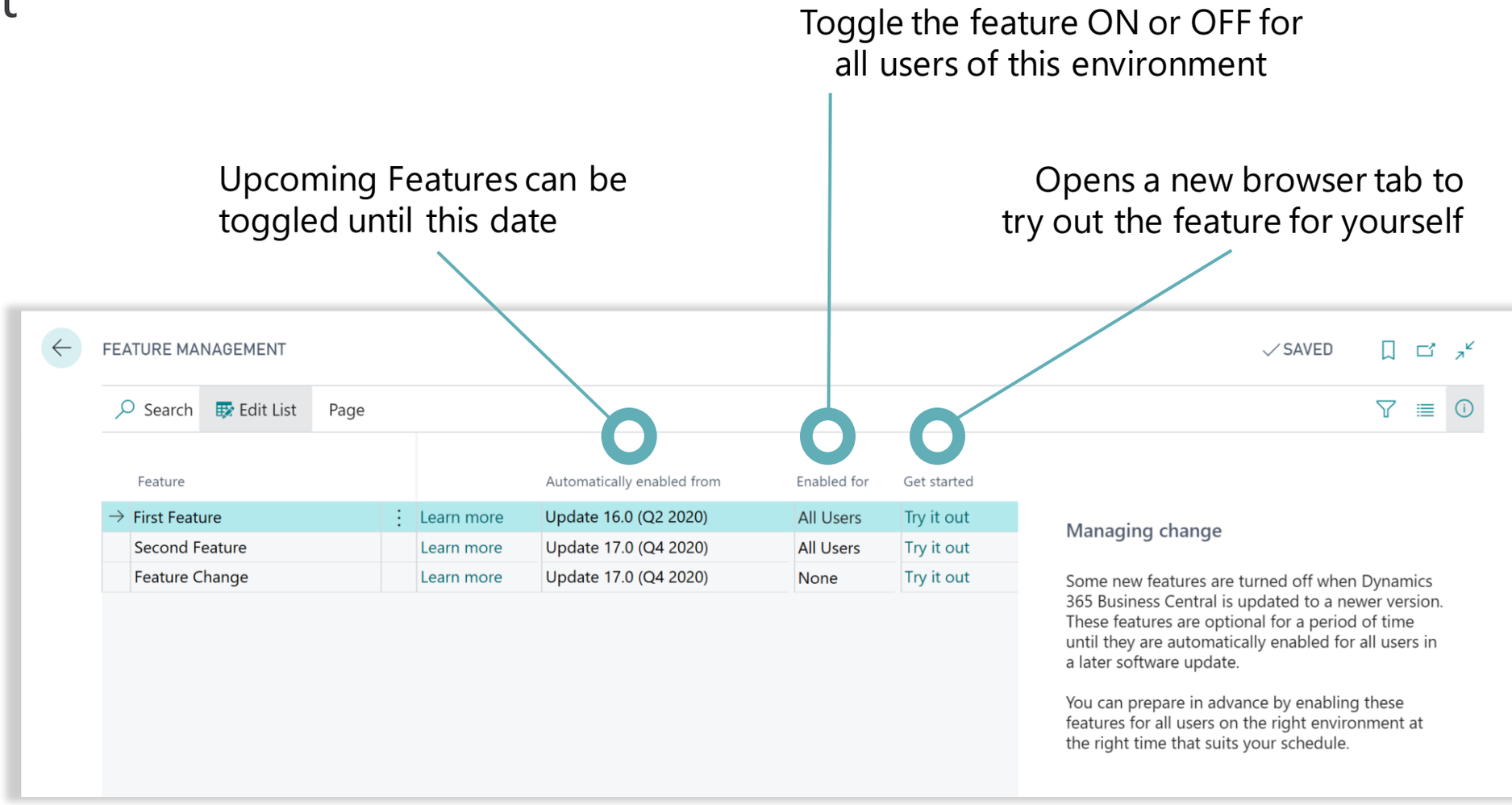


Technical explanation of each problem

Feature Management

Feature ON..
Feature OFF!

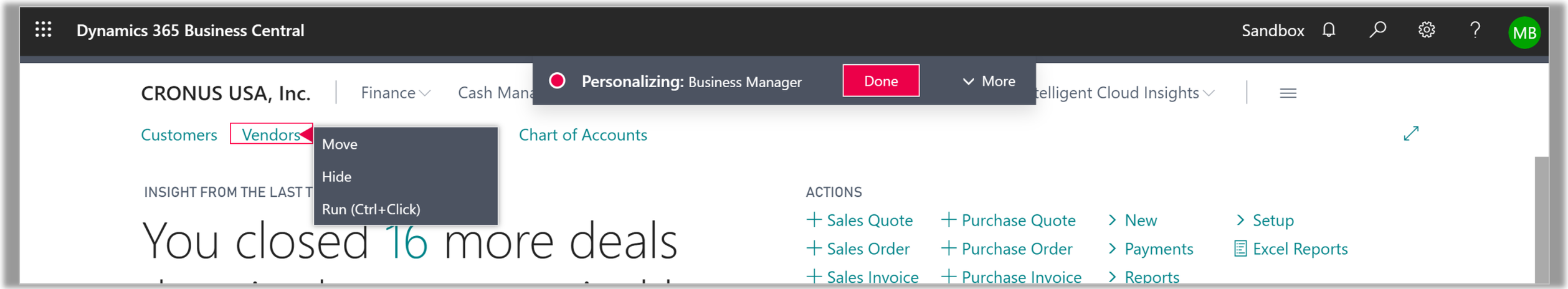
- Subset of new features and improvements will appear here
- Primarily platform features that change user experience
- Features remain optional until a future service update
- Admins are in control



Manage change, on your own terms

- Try a feature on a Sandbox, then enable in Production
- More time to explore, adapt to upcoming change
- Feature available as standard later, but you can enable earlier

Ctrl+Click to navigate when customizing the UI



Usability improvement for smoother navigation

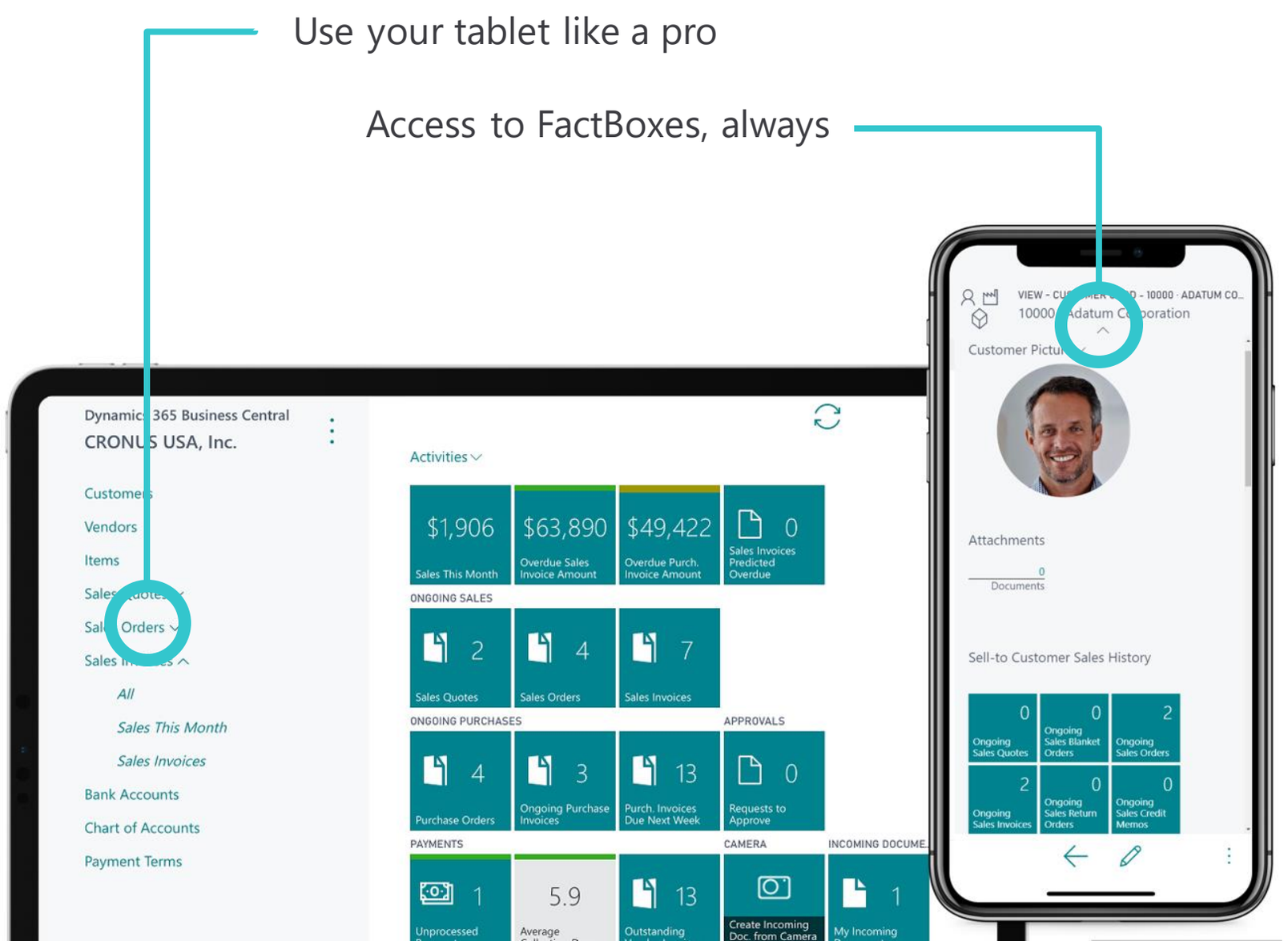
- Available when personalizing, customizing a profile or designing an extension
- Just Ctrl+Click to activate a customizable link
- Applies to Navigation menu links or Actions
- Accompanying menu item

Available as early as Update 15.2

Enhanced mobile accessibility

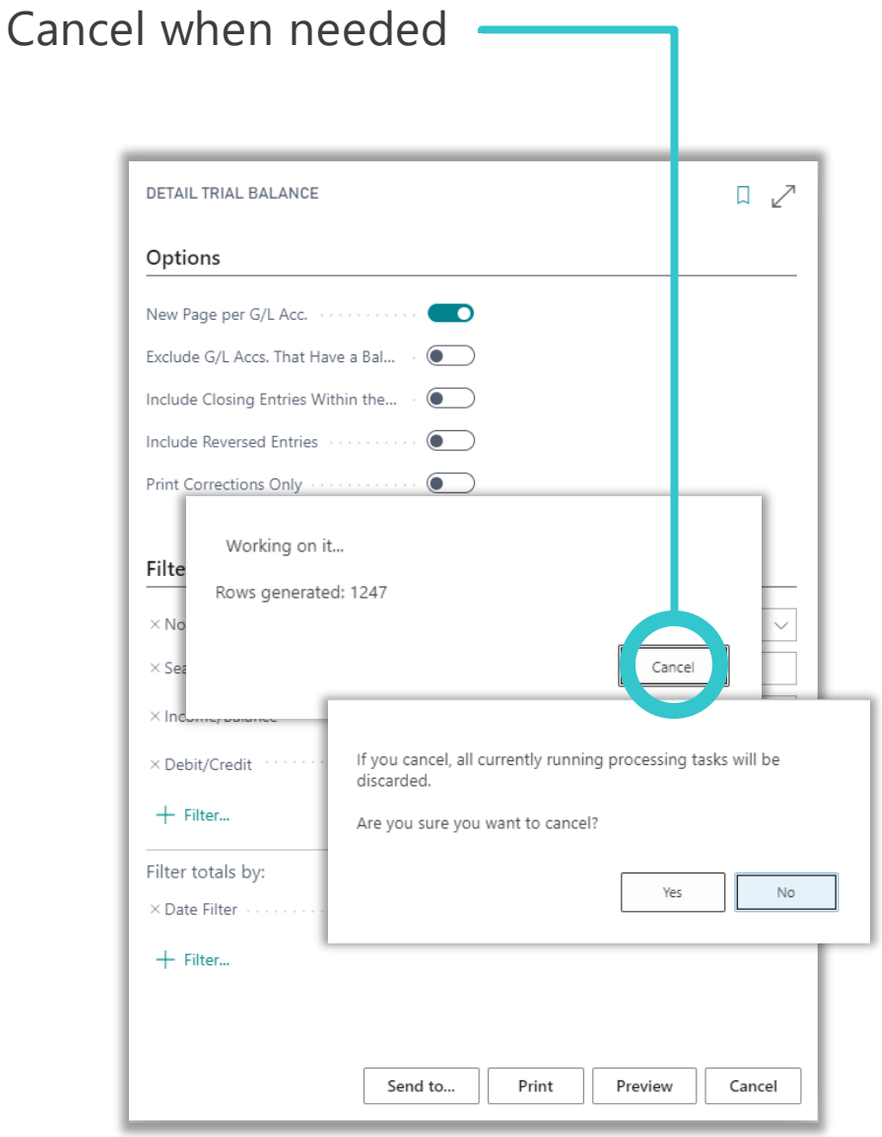
- Use both your thumbs to move through the role center
- Navigation and data form two independent scrollable parts
- No restriction on the numer of data cues on the role center anymore

- Also: Easy access to FactBoxes independent of the device orientation



Cancel long-running reports or operations

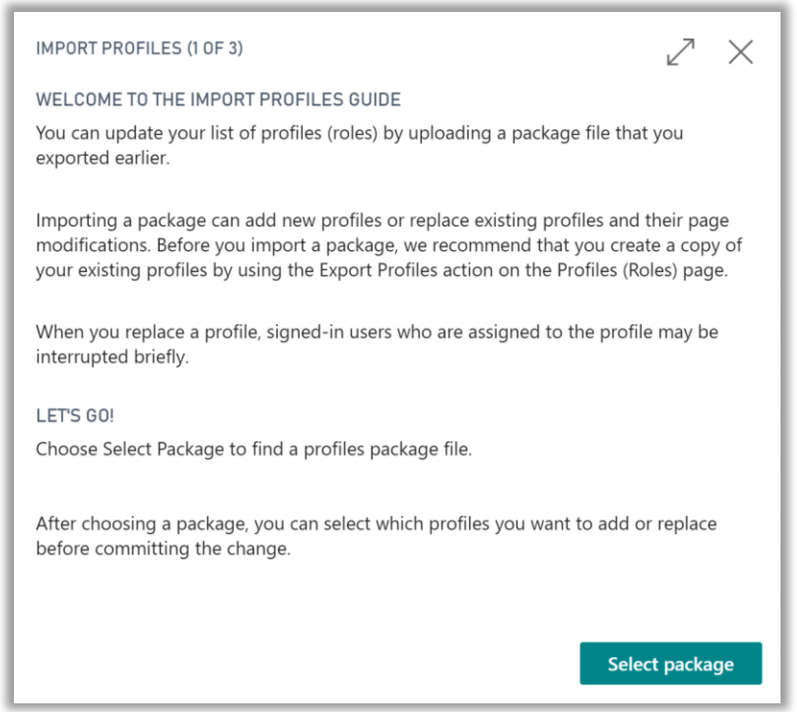
- Appllies to reports and other application operations like batch posting
- Those long-running tasks now give progress feedback
- User is presented with an option to cancel (with confirmation)
- Cancellation request is then sent to the server for execution



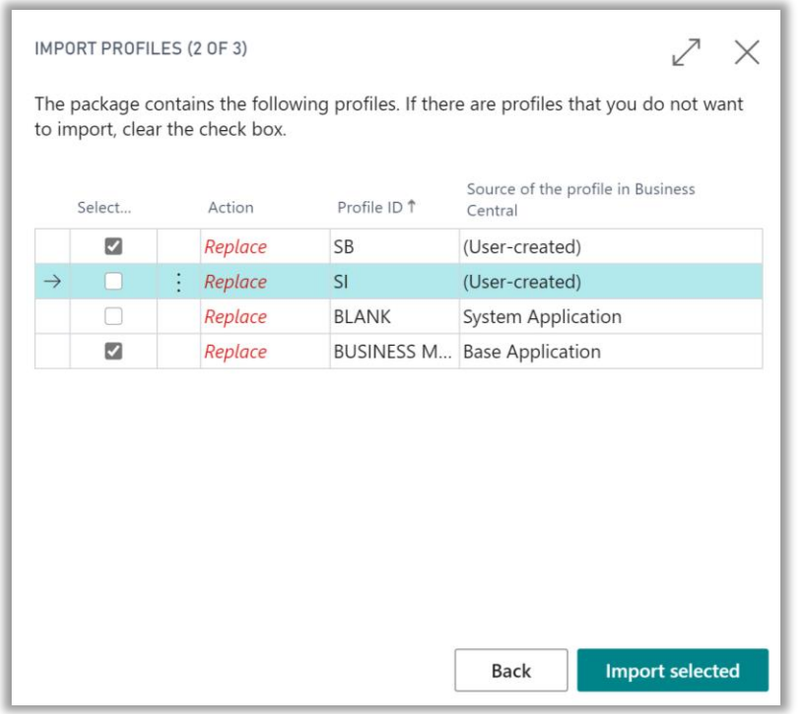
Microsoft Dynamics 365

Mike Borg Cardona

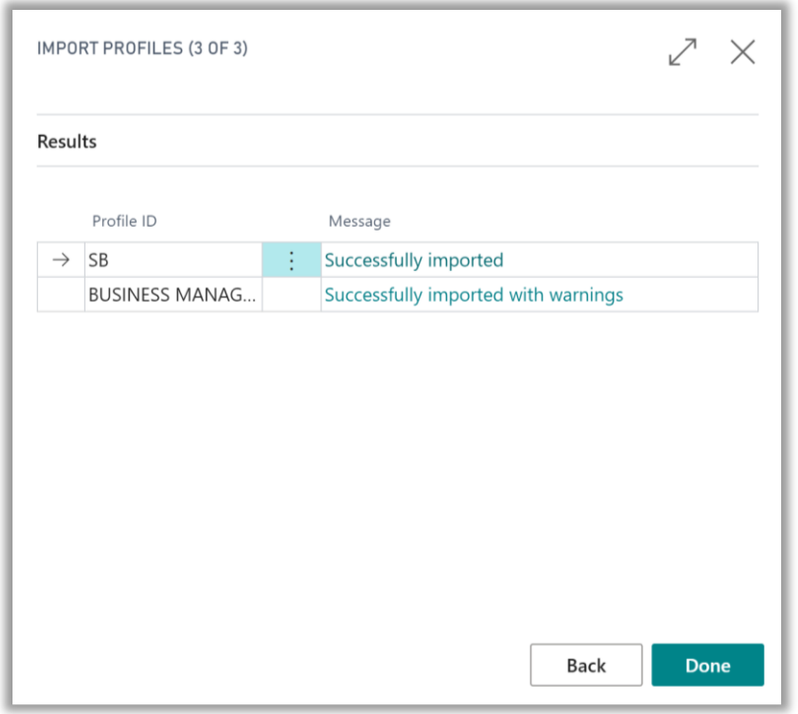
Import Profiles and UI Customizations



Restore backups of your profiles or move page customizations from sandbox to production without Visual Studio Code



Get an overview of which profiles will be added or replaced

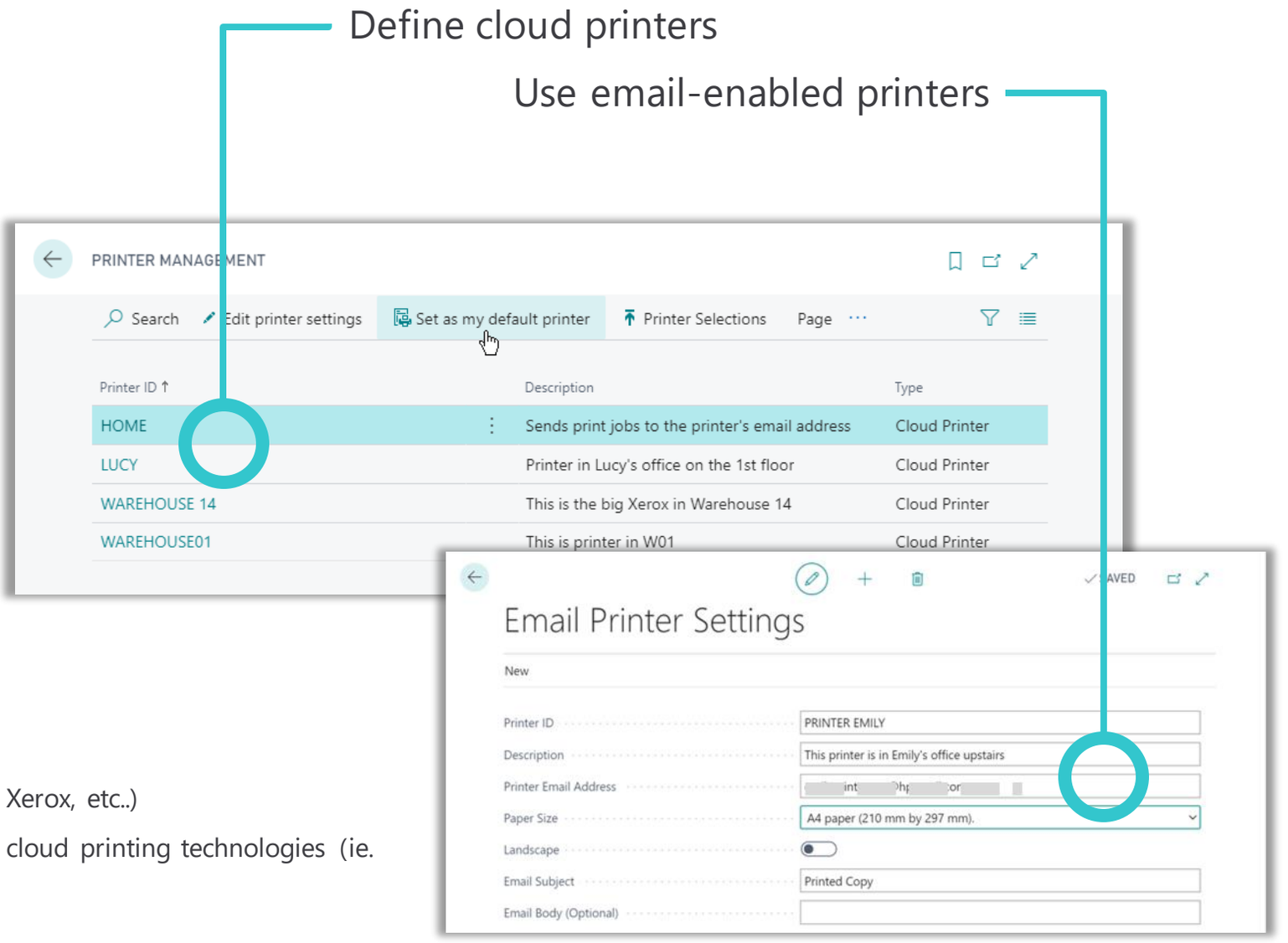


Import a package of profiles into your environment, including

- Profile settings
- Page customizations

Non-interactive Printing

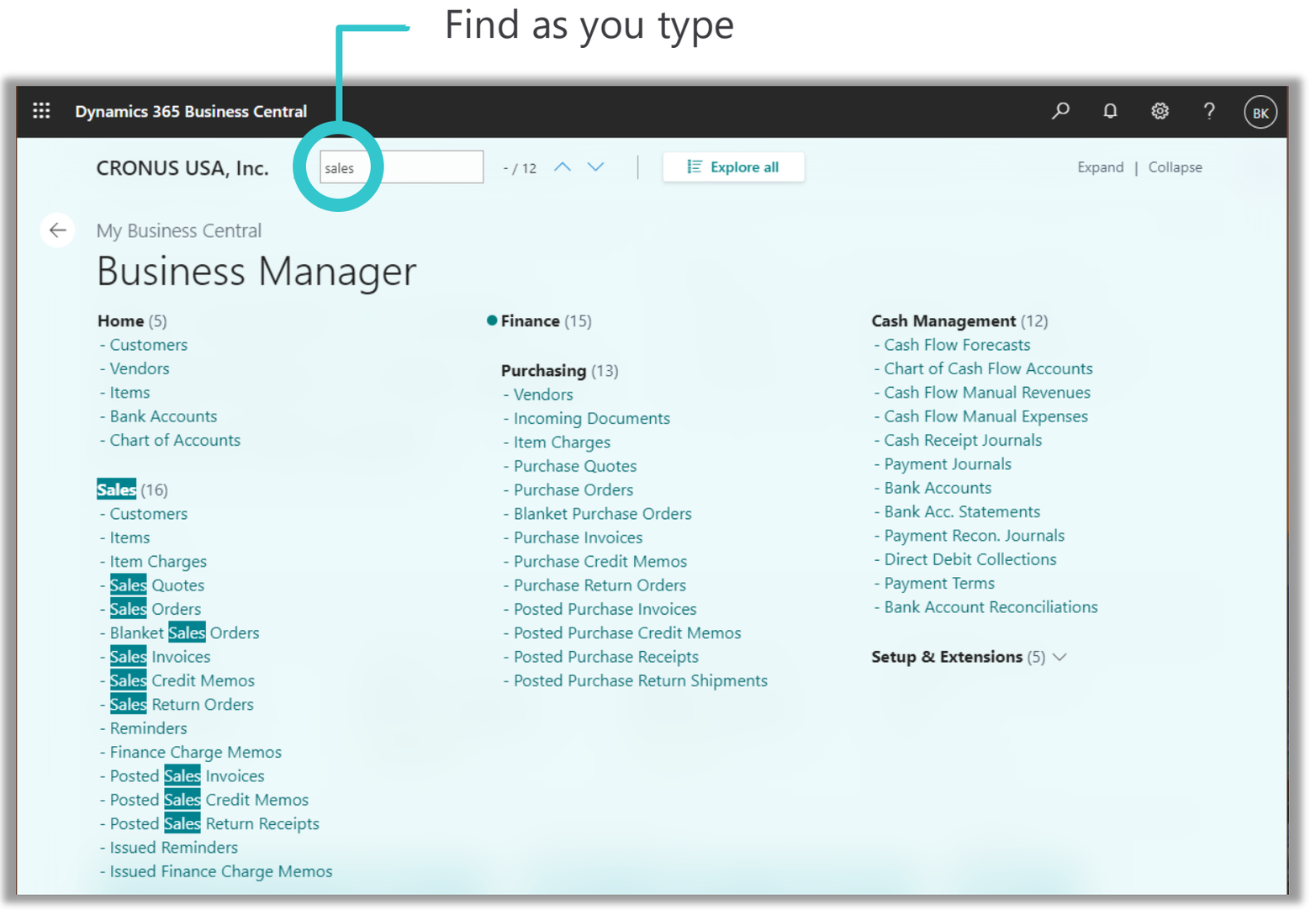
- Print any reports or documents (Orders, Invoices) directly using the predefined printers configured via the new **Printer Management** page
- Assign reports to different printers (per user) using **Printer Selections**



- No need to download reports or manage PDFs
- Built-in support for many email-enabled printers (HP, Epson, Xerox, etc..)
- Extensibility model - partners providing extensions for other cloud printing technologies (ie. PrintNode)

Find in Role Explorer

- Role Explorer how has its own **find** function
  - Try it out by activating *find*, pressing the F3 key, or just start typing!
  - Highlights any matches, even within grouped content (indicated by ●)
  - Quickly traverse matching results by using ^ v or shortcut keys
- Navigate to features faster
- Learn how content is organized



Application

Extend ListPlus Pages

Multiple Languages

Auto-Insert Recurring Sales and Purchase Lines

Bank Reconciliation Improvements

Enhanced Customer and Vendor Document Layout

Manage Direct-Debit Collections in Service Management

Notify Requester of Changes on Approval Request

Print to Attachment

Receive More Items than Ordered

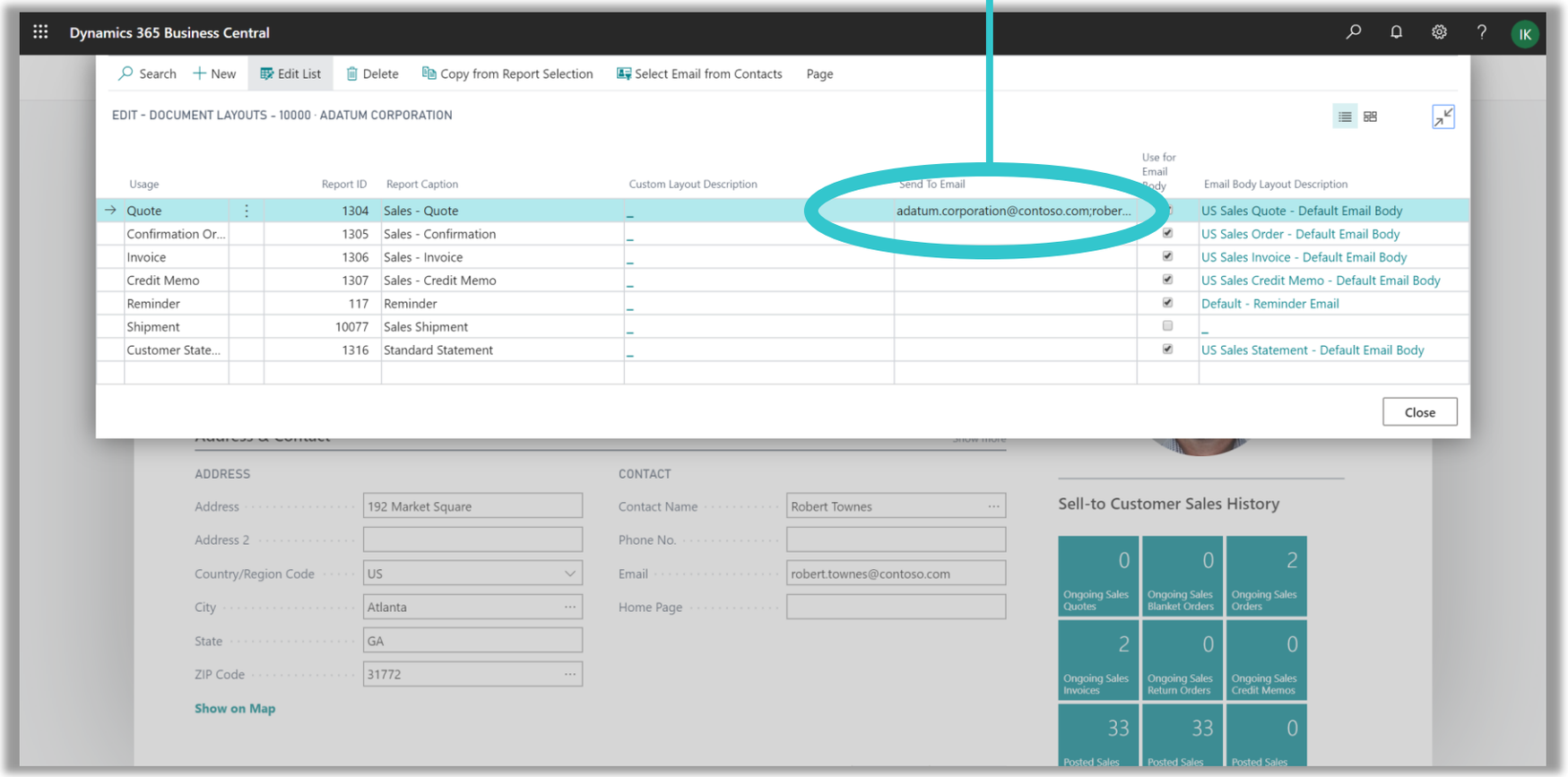
Register Capacity in Units of Seconds

Revert Quantity to Invoice when Canceling Order

Use Resources in Purchase Documents

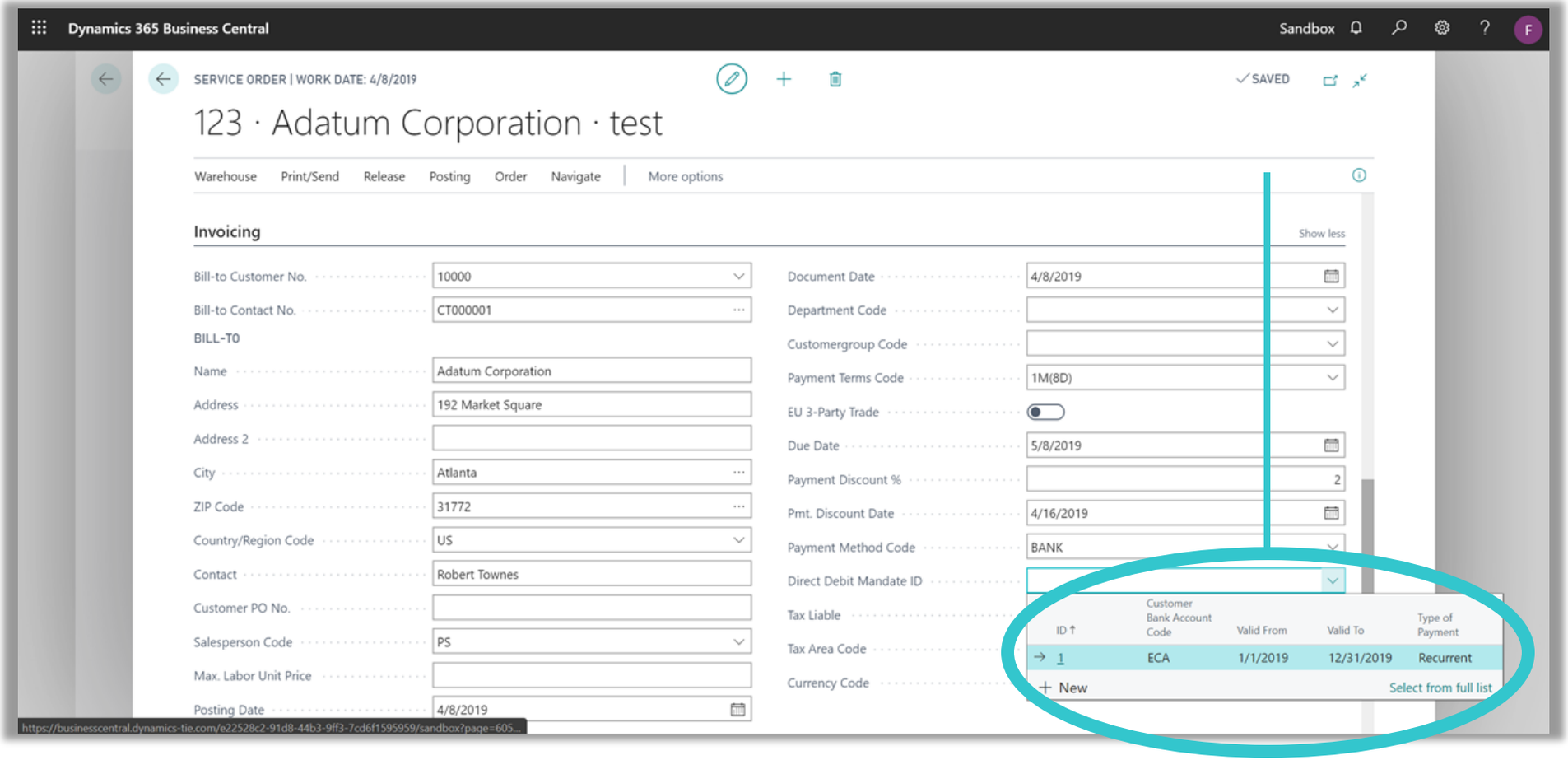
Enhanced Customer and Vendor Document Layout

- Populate the **Document Layouts** page for vendors and customers based on settings on the **Report Selection** page
- Choose the company contacts to use for specific document layouts
- **Document Layouts** page for a customer now contains additional usage options for reminders and posted shipments
- **Document Layout** page for a vendor now contains additional usage options for purchase orders and posted return shipment



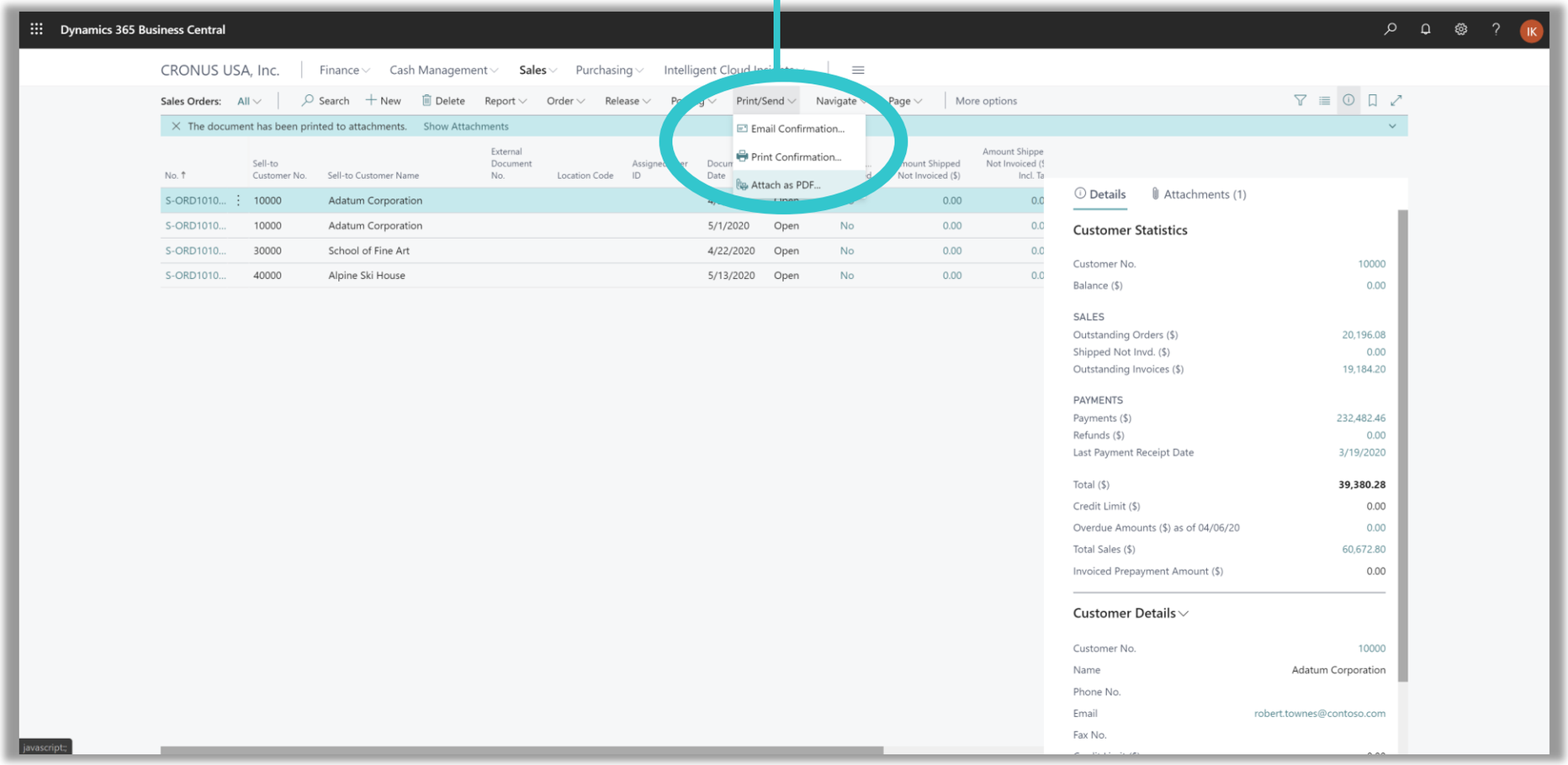
Manage Direct-Debit Collections in Service Management

- View Direct-Debit collection information on Service Orders, Invoices and Contracts



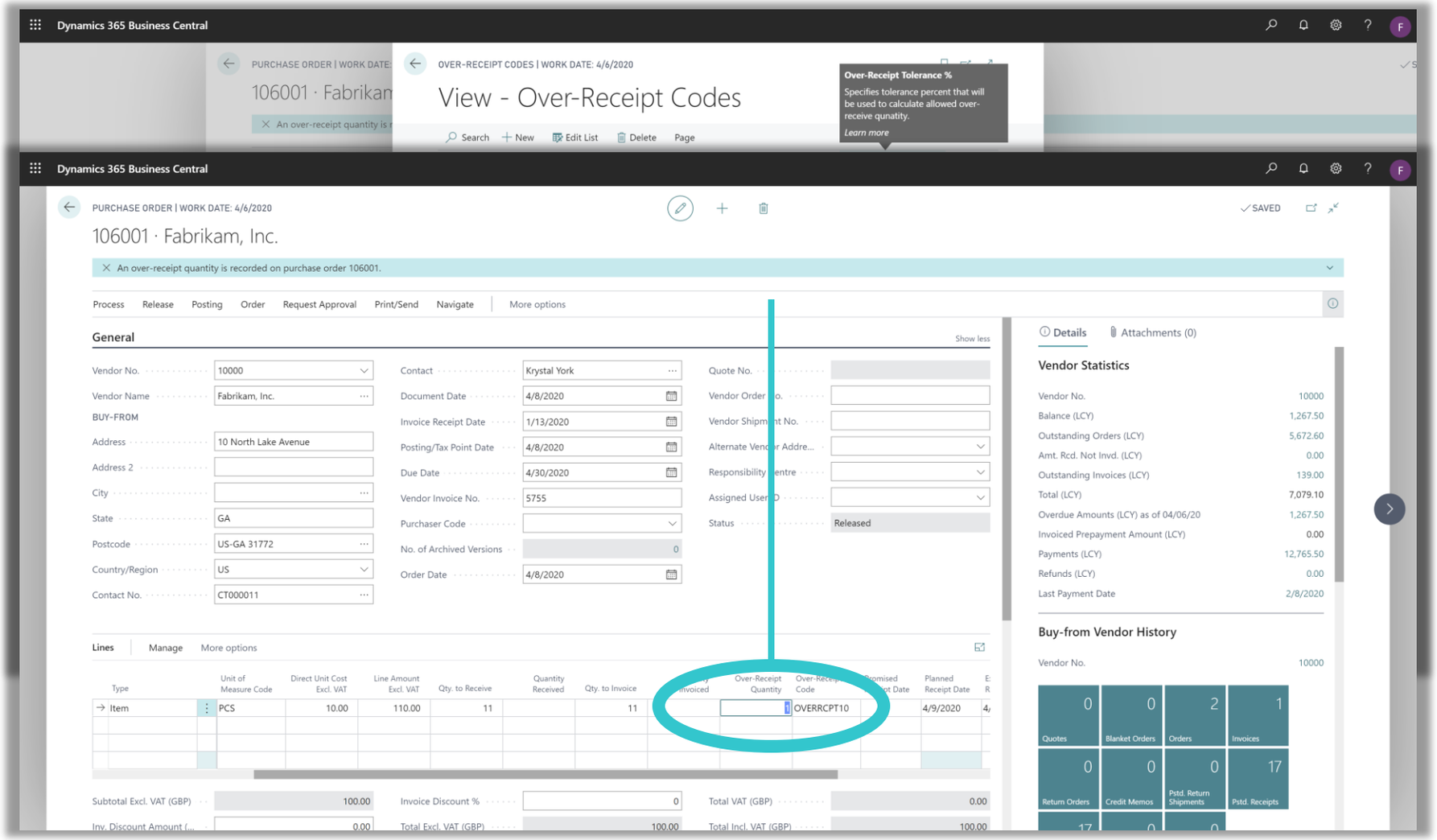
Print to Attachment

- Add Document printouts to the Attachments FactBox using Attach as PDF action



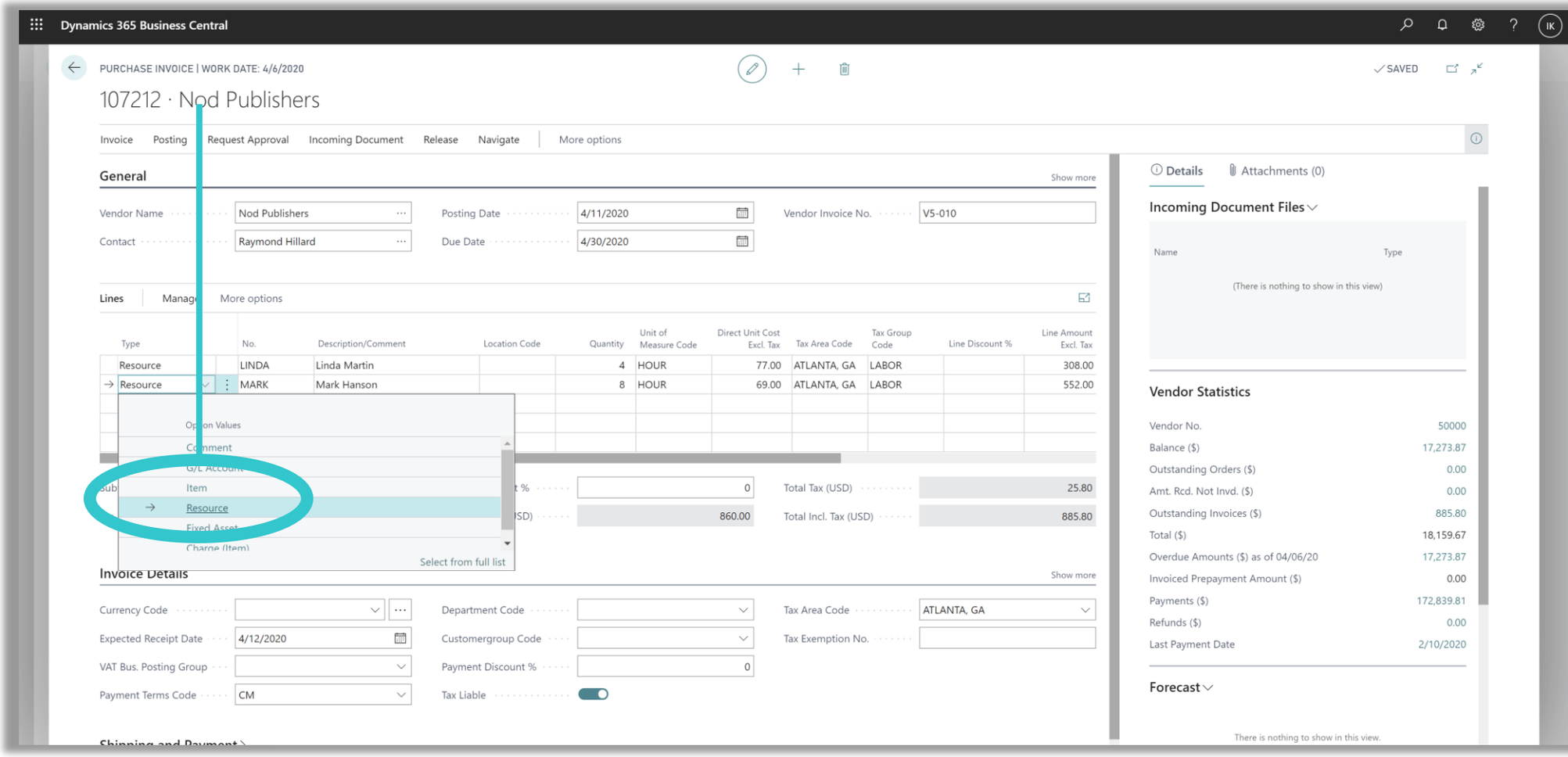
Recieve More Items Than Ordered

- Receive a quantity higher than the ordered quantity on purchase orders
- Over-Receipt Tolerance % create on Over-Receipt Codes page
- Approve Over-Receipt workflow response is available in workflow



Resources in Purchase Documents

- Use a Resource as a line type on purchase documents.



Microsoft Dynamics 365

Service and Development Fundamentals

Service Fundamentals

See Current Database Locks

See Table Sizes

View and Cancel Sessions

Monitor Web Service Request and Report Performance

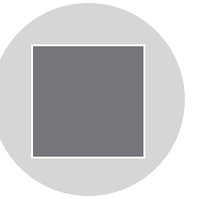
Read-Only Scale-Out

Resource Limits for Reports and Web Service Calls

Developer Fundamentals

AL Interfaces

Application Versioning for Aliasing Base Application



Camera Location AL API Available in the Browser

Look up Events and Insert in Code

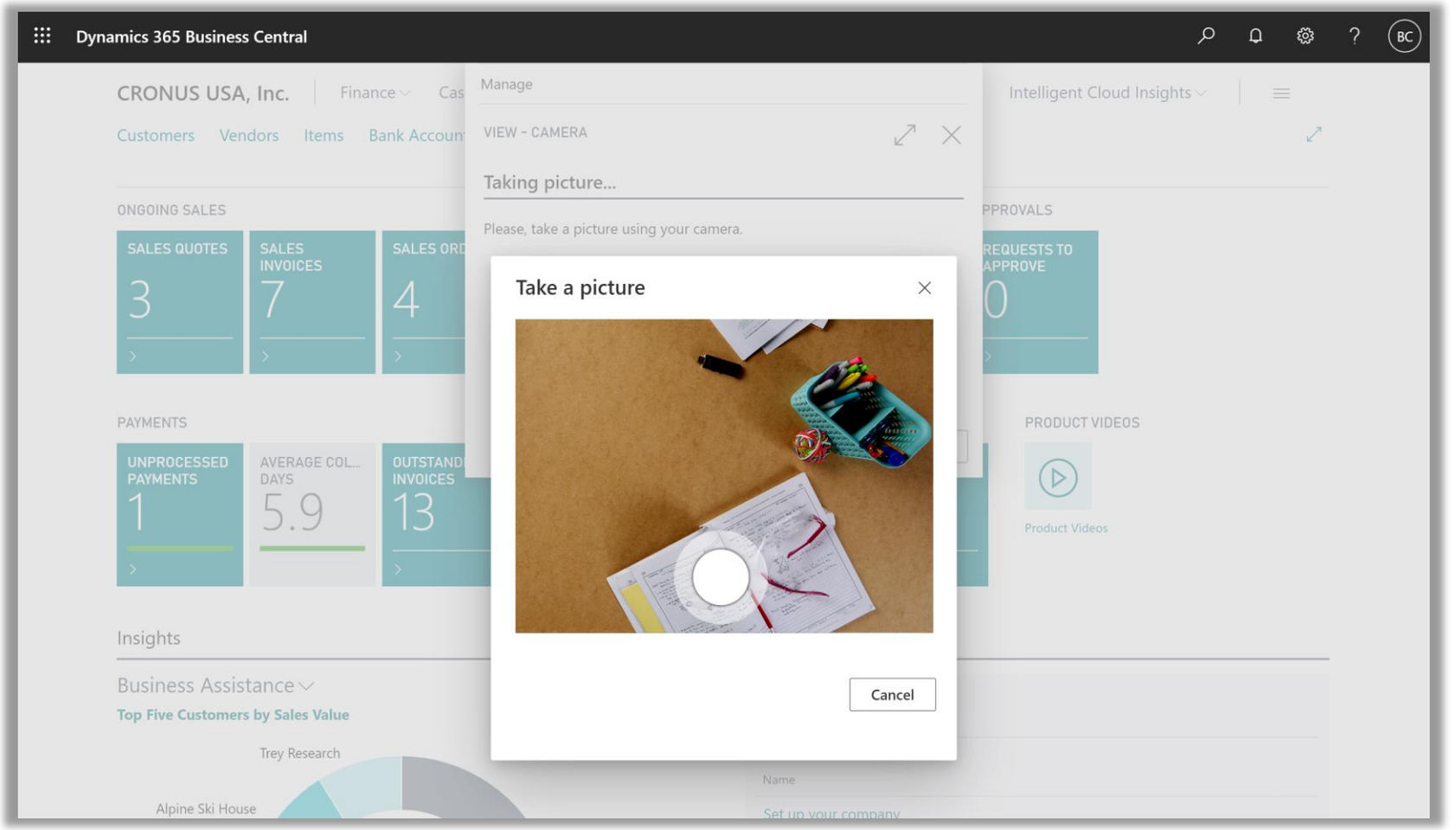
Multiple Variable Declarations of the Same Type in the Same Line

Obsolete Tag Property

Refactor a Field from a Table to a Table Extension

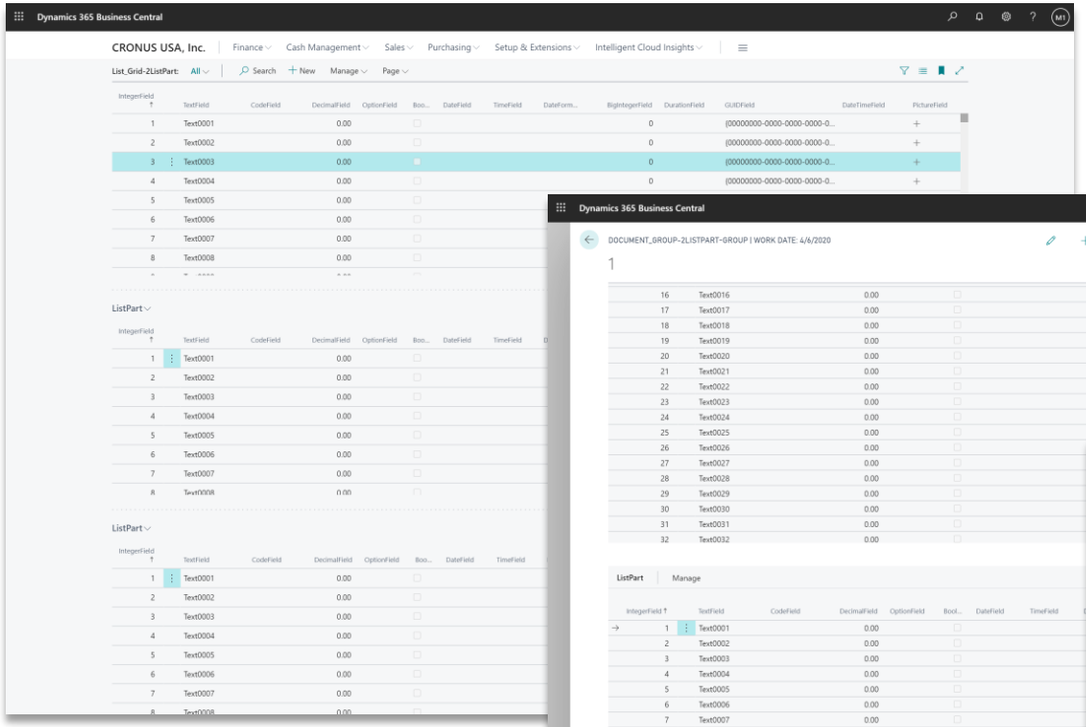
Camera/Location AL API for browsers

- `CameraProvider.IsAvailable` and `LocationProvider.IsAvailable` now return True if the browser and device support it.
- Users are still in control: just-in-time prompts to grant access
- Camera offers viewport & Use/Retake buttons.
- Location captured as Longitude/Latitude coordinates.

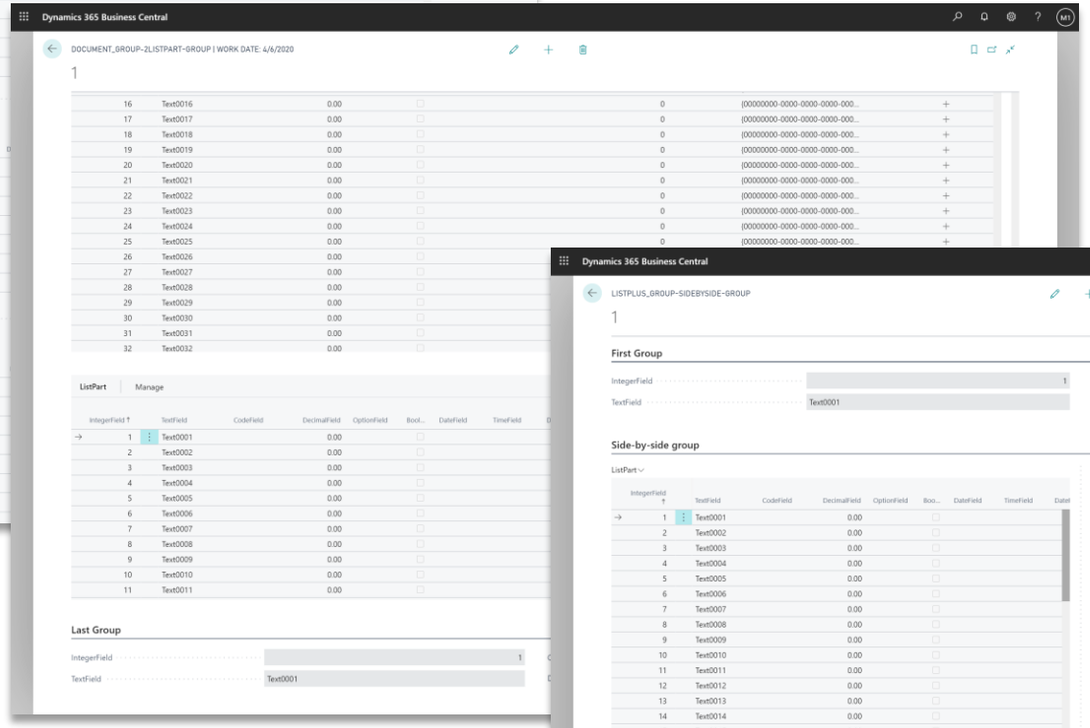


Pages optimized for multiple parts

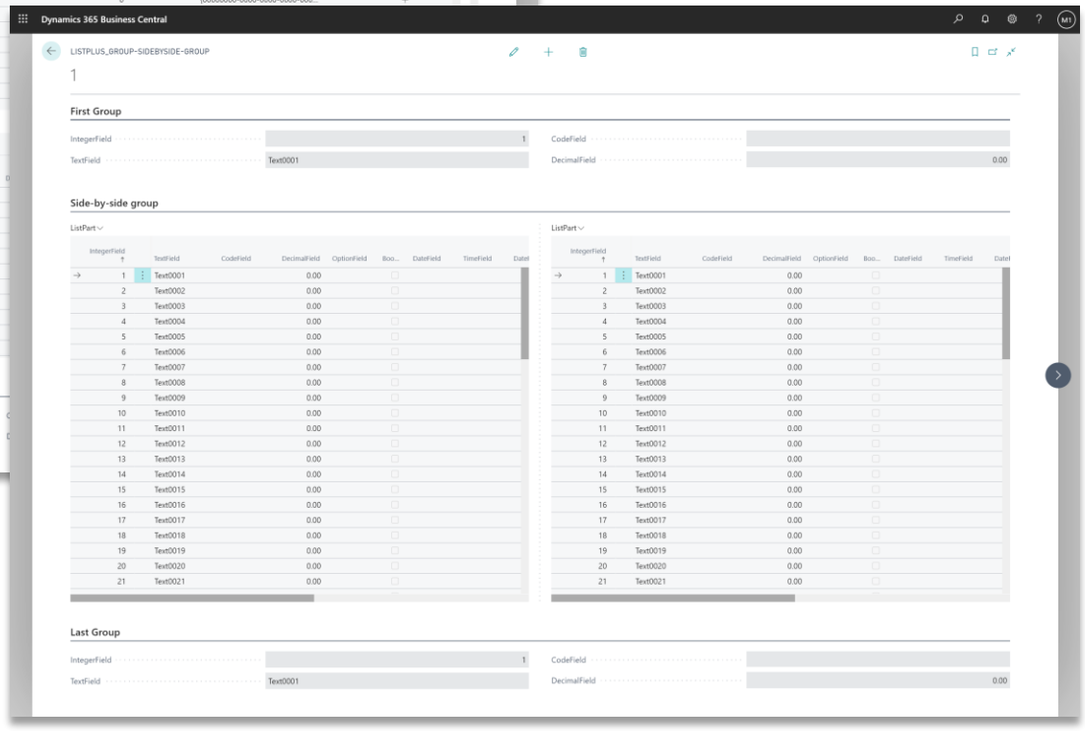
Example: List with 2 additional ListParts



Example: Document page with 2 ListParts



Example: ListPlus record with side-by-side ListParts



For developers

2 AL design patterns for Page Parts

Sequence parts above each other

Group parts for a side-by-side experience

Documented, predictable outcomes

Over 40 combinations now optimized!

Your pages using these patterns immediately look & work better

Coming soon: similar optimizations for Worksheets & CardParts

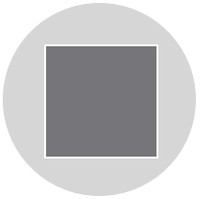
Microsoft Dynamics 365

Henrik Westergaard Hansen

Common Data Service integration

Assisted Setup

Ownership models. Person and Team



Synchronize data

Creating customizations to Common Data Service Integration

AL Table Proxy Generator

Handling missing Option vaules

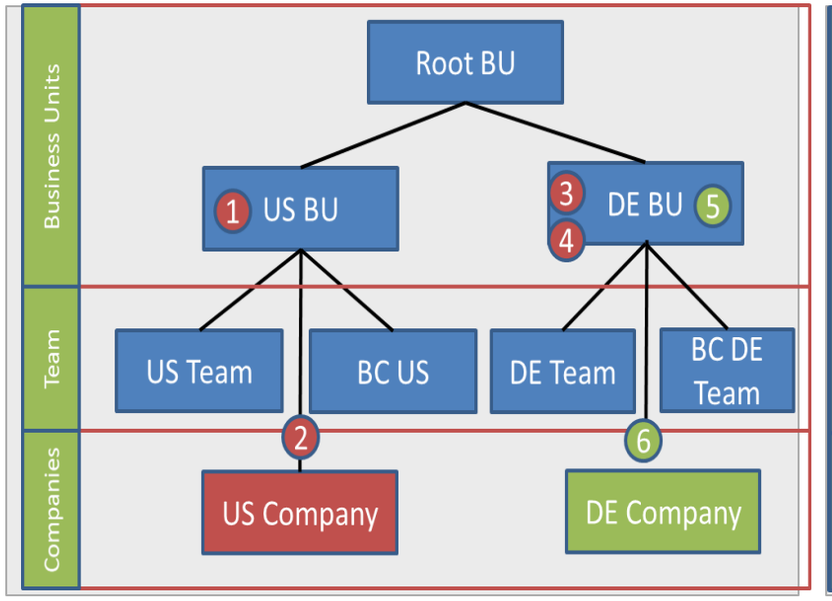
Scheduling Synchronization

Common Data Service Integration highlights

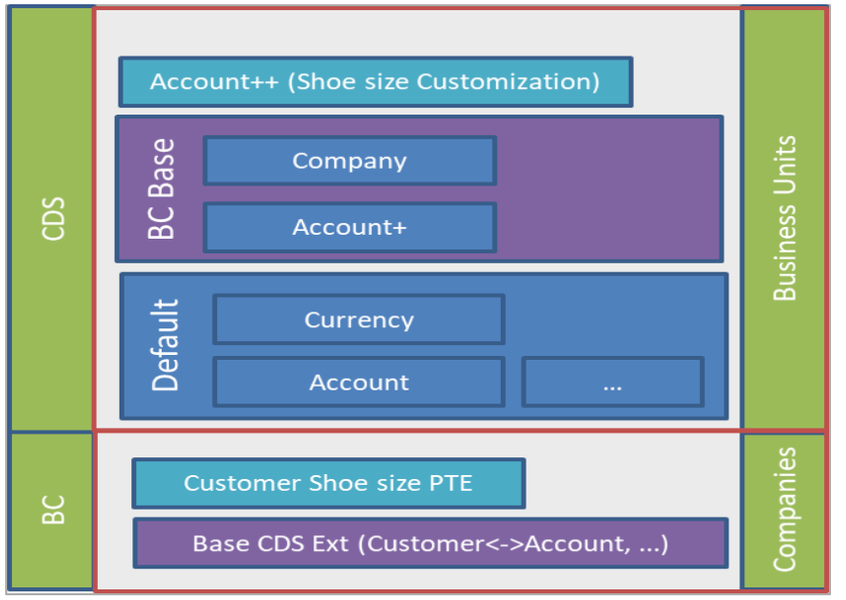
Setup

- New Assisted Connection Setup
- Auto Discoverability of CDS environments
- New Data ownership model, enabling Business Unit mapping
- Recommendations on initial sync
- D365 for Sales, installs on top of BC Base CDS integration

Business Unit Mapping



Extensibility



Microsoft Dynamics 365

Data Migrations to Business Central Online

GP: Transition to Business Central online

On-premises

Cloud

February 2020

GP 2015 — Migrate

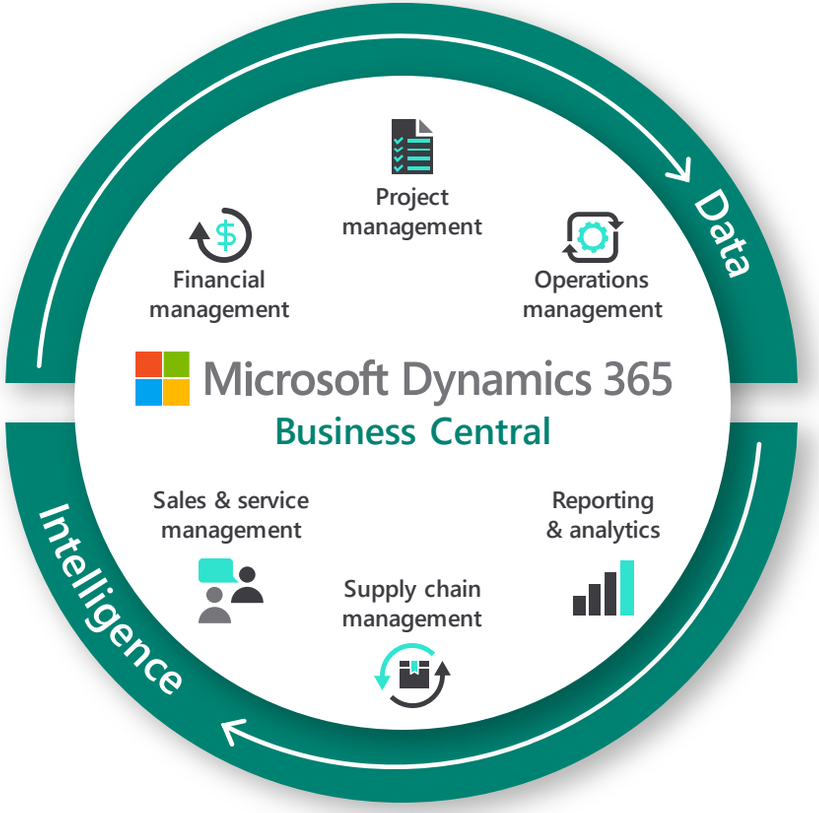
GP 2016 — Migrate

GP 2018 — Migrate

GP — Migrate

Migration Tool

GP 2018 R2 or higher



Microsoft Dynamics 365

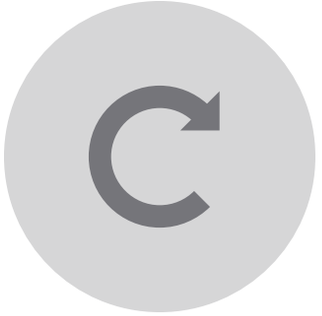
Jennifer Ranz

Migration Tools

GP: Enhanced COA Migration

GP: Migrate All or only Active Customer/Vendor Master Records

GP: Enhanced Inventory Data Migration



BC on premises to BC Cloud Migration

SMB Data Migration Roadmap

KEY — Current release wave | Future release wave

April 2020

GP to BC Migration
- Chart of Accounts: Segments to Dimensions
- More GP Versions
- Item Enhancements
- ISV Migrations

BC SmartList Designer
- SmartList Designer (Preview in June)

NAV/BC to BC Migration
- BC 16x On-Premise to BC SaaS
- BC 14x/15x to 16x Post-April release

SL to BC Migration
- TBD

October 2020

GP to BC Migration
- Bank Rec (Checkbooks, Outstanding Transactions)
- Open Purchase Orders
- Fixed Assets

GP to Azure Data Lake
- Write GP historical data to Azure Data Lake

SL to Azure Data Lake
- Write SL historical data to Azure Data Lake

BC SmartList Designer
- BC SmartList Designer utilizes Azure Data Lake for additional historical data queries
- List Pages include Queries (SmartList Pages)

2021

GP to BC Migration
- Item Pricing / Extended Pricing
- Address Feedback

NAV/BC to BC Migration
- Address feedback

SL to BC Migration
- Address feedback

BC SmartList Designer
- SL Designer 2.0

NOTE: Roadmap is subject to change during the course of development cycles.

Call To Action

- Read about Wave 1 release features
- Try out new features in product
- Watch for more learning opportunities
- Tell us what you think
- Vote for your favorite suggestions

https://aka.ms/bcideas