

**NAV  
TECH  
DAYS**  
2018

mibuso.com

# **Business Central: The new face of the client**

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MICROSOFT DEVELOPMENT CENTER COPENHAGEN

[www.navtechdays.com](http://www.navtechdays.com)

When you are passionate about  
Microsoft Dynamics NAV/365 Business Central

**NAV  
TECH  
DAYS**  
2018

mibuso.com

# Session objectives

Modern look  
& feel

New UI and design  
principles

Productivity  
features

Proficient, intuitive  
and accessible

Business  
Central app

One app  
for Cloud and  
On Premises users

Rounding  
up

Q&A

# New Look & Feel

# Key goals of the modern UI

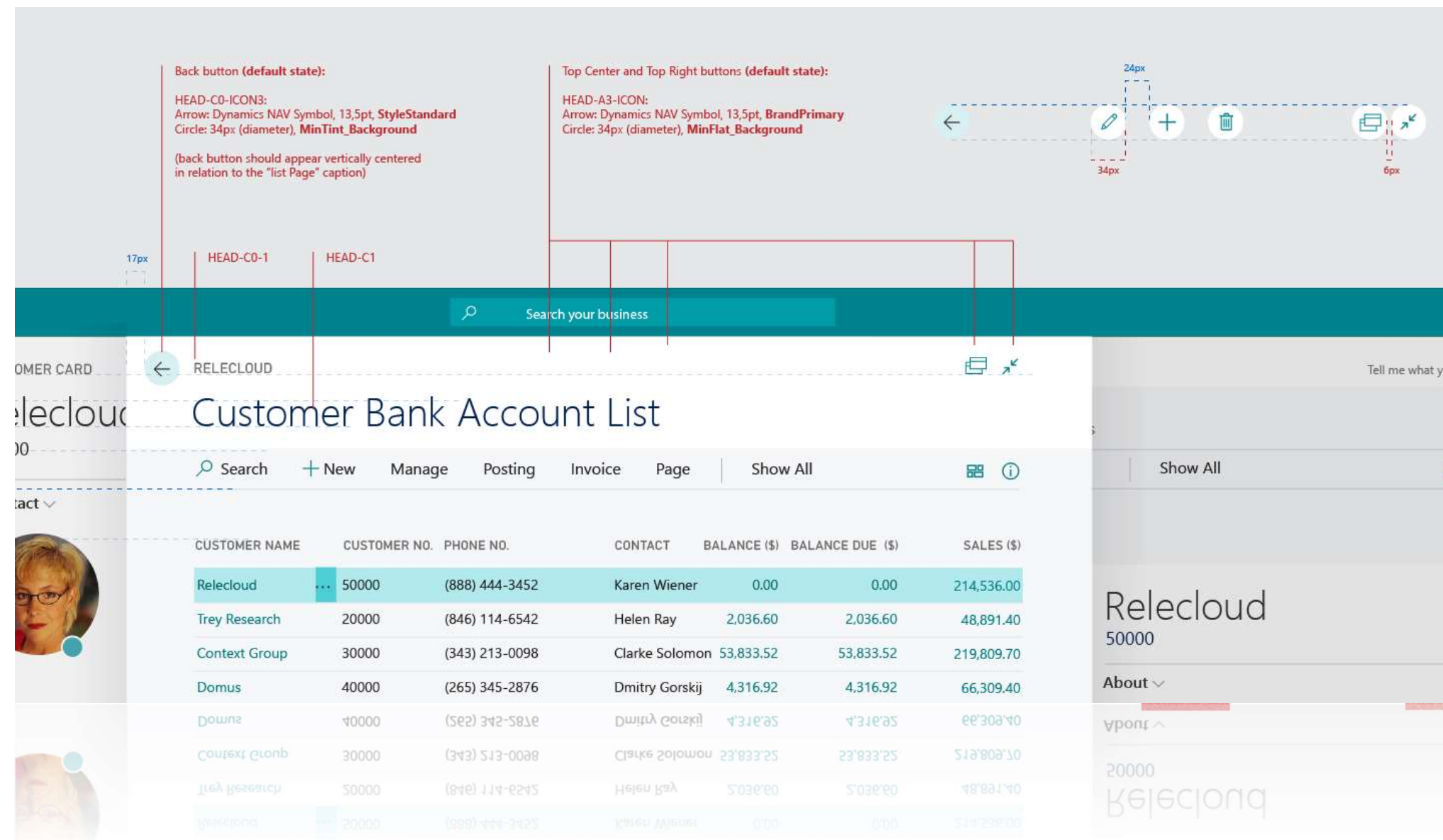
- Aligned with other productivity and business products from Microsoft
- Reusing existing application concepts
- Architected for the future





# Iterative. User Centric. Rapid.

1. Concept
2. Prototype
3. User test
4. Repeat



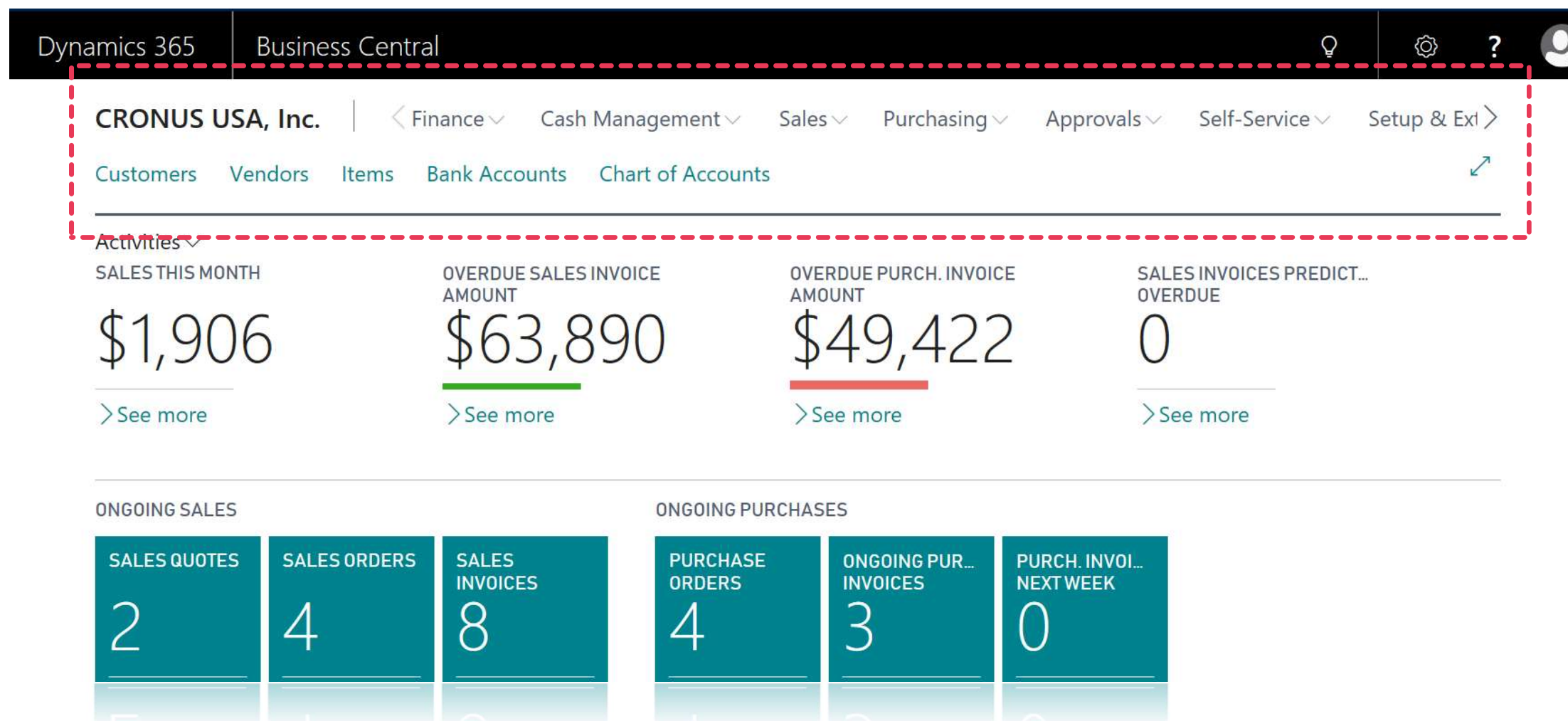
# Role center

- Refreshed in Spring release.
- Many improvements and new controls.



# Role center - Navigation

- No more side panel, redesigned paradigm.
- Designed to optimize exploring without triggering a navigation.
- No new metadata, works the same as before.



Dynamics 365 Business Central

CRONUS USA, Inc. | < Finance Cash Management Sales Purchasing Approvals Self-Service Setup & Ext >

Customers Vendors Items Bank Accounts Chart of Accounts

Activities

SALES THIS MONTH	OVERDUE SALES INVOICE AMOUNT	OVERDUE PURCH. INVOICE AMOUNT	SALES INVOICES PREDICT... OVERDUE
\$1,906	\$63,890	\$49,422	0
> See more	> See more	> See more	> See more

ONGOING SALES

SALES QUOTES	SALES ORDERS	SALES INVOICES
2	4	8

ONGOING PURCHASES

PURCHASE ORDERS	ONGOING PUR... INVOICES	PURCH. INVOI... NEXT WEEK
4	3	0

# Role center – Action bar

- Actions no more in ribbon.
- Need to re-organize actions in right groups to get the right icon.

Dynamics 365 Business Central

CRONUS USA, Inc. | Finance | Cash Management | Sales | Purchasing | Approvals | Self-Service | Setup & Extensions | Intelligent Cloud Insights

Customers Vendors Items Bank Accounts Chart of Accounts

HEADLINE

Good afternoon!

ACTIONS

- + Sales Quote
- + Sales Order
- + Sales Invoice
- + Purchase Order
- + Purchase Invoice
- > New
- > Payments
- > Reports
- > Setup
- Excel Reports

Activities

Activities

INTELLIGENT CLOUD

SALES THIS MONTH

\$137,613

OVERDUE SALES INVOICE AMOUNT

\$259,104

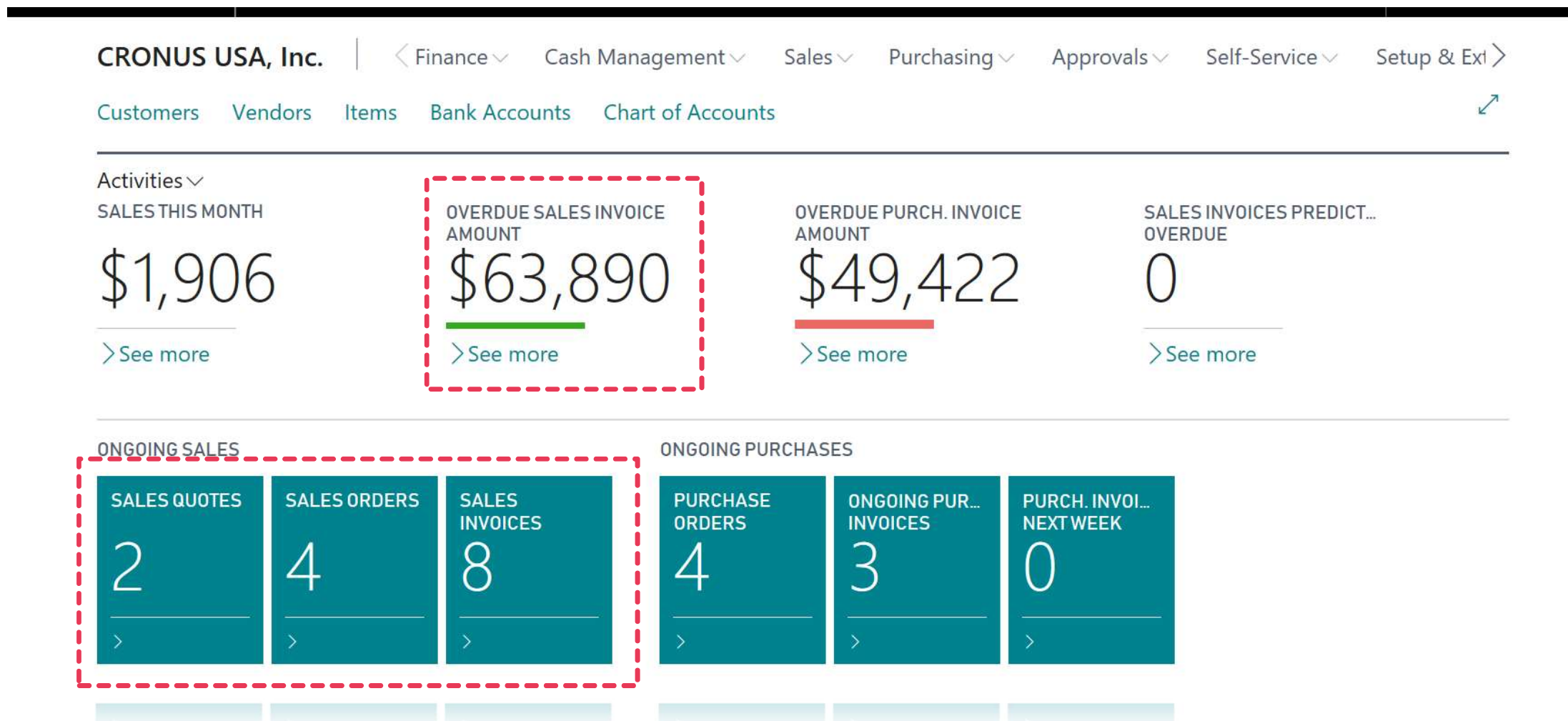
OVERDUE PURCH. INVOICE AMOUNT

\$128,143



# Role center - Cues

- Restyled cues and action tiles.
- Customizable cues in 2 layouts: normal and wide (cuegroup property).



# Role center - Headline

- New control to display a series of headlines.
- Highly customizable.

Dynamics 365 Business Central

CRONUS USA, Inc. | Finance | Cash Management | Sales | Purchasing | Approvals | Self-Service | Setup & Extensions | Intelligent Cloud Insights

Customers Vendors Items Bank Accounts Chart of Accounts

HEADLINE



Good afternoon!

ACTIONS

- + Sales Quote
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- + Sales Invoice
- + Purchase Order
- + Purchase Invoice
- > New
- > Payments
- > Reports
- > Setup
- Excel Reports

Activities

Activities | INTELLIGENT CLOUD

	SALES THIS MONTH	OVERDUE SALES INVOICE AMOUNT	OVERDUE PURCH. INVOICE AMOUNT
 	\$137,613	\$259,104	\$128,143





## Role center

DEMO



# Improved page layouts

The new entries from Fall release.

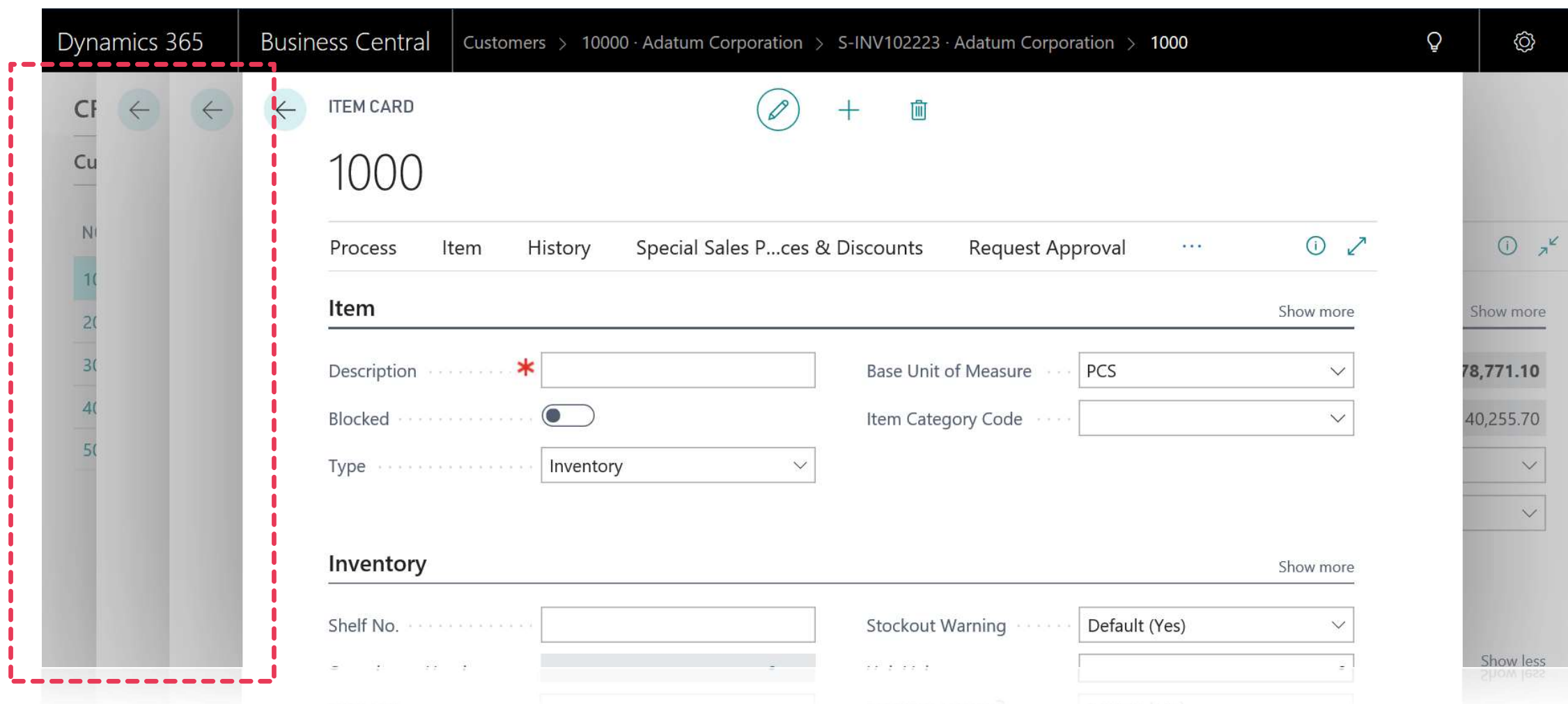
- New navigation paradigm
- Back button
- Action bar in pages
- Action par in page parts
- New title and promoted system actions
- New record navigation controls
- Narrow vs wide layout
- Restyled controls





# Paper inspired layout

- Hints at context by exposing previously opened pages.
- Encompasses all page types.
- Highly adaptive to screen size.



Dynamics 365 Business Central Customers > 10000 · Adatum Corporation > S-INV102223 · Adatum Corporation > 1000

ITEM CARD

1000

Process Item History Special Sales P...ces & Discounts Request Approval ...

**Item** Show more

Description ..... \*

Base Unit of Measure ... PCS

Blocked ..... ☐

Item Category Code ...

Type ..... Inventory

**Inventory** Show more

Shelf No. ....

Stockout Warning ..... Default (Yes)

78,771.10

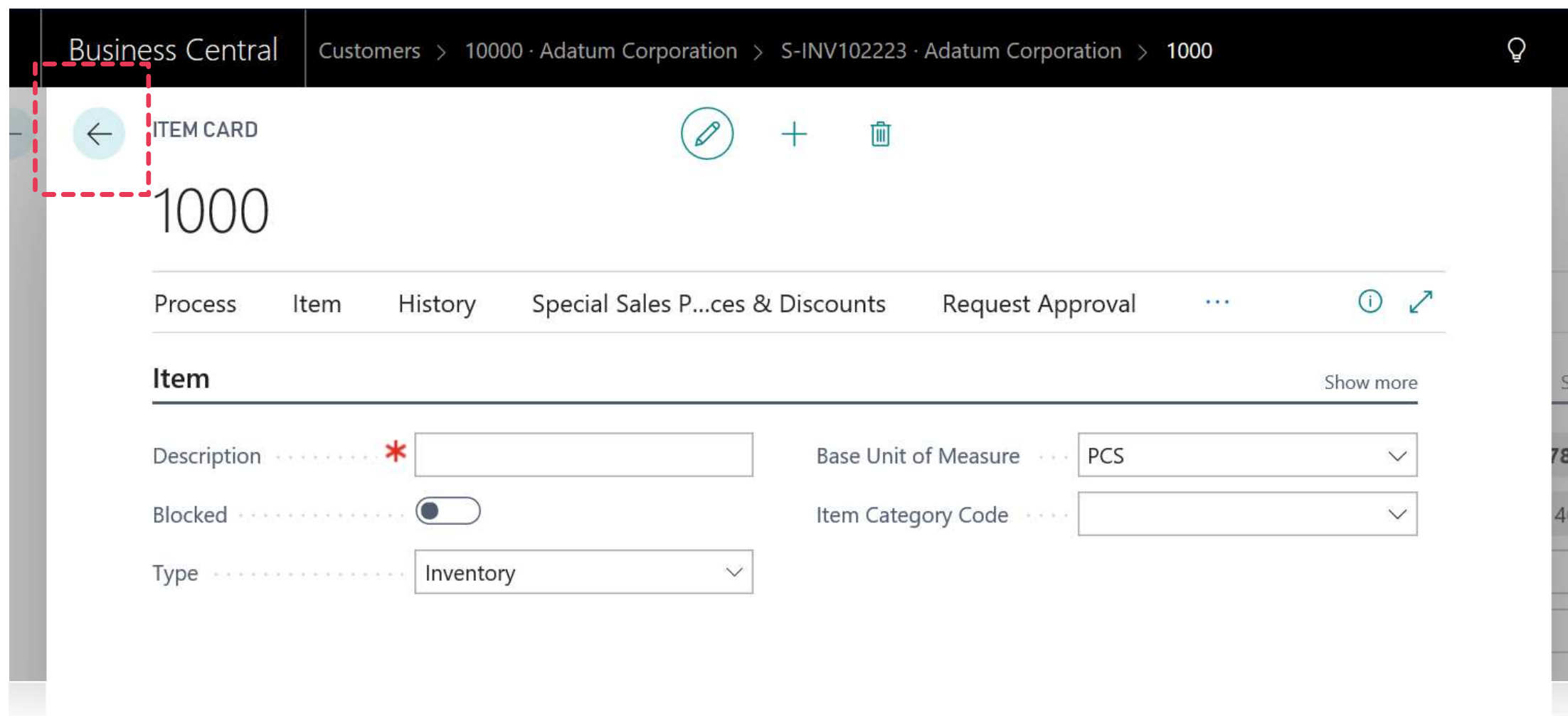
40,255.70

Show less



# Back button

- Streamlines page navigation on desktop and across form factors.
- Familiar, natural concept.
- Eases the learning curve.



The screenshot shows the 'ITEM CARD' for item 1000 in Microsoft Dynamics 365 Business Central. The breadcrumb navigation at the top reads: Business Central > Customers > 10000 - Adatum Corporation > S-INV102223 - Adatum Corporation > 1000. The card header includes a back arrow button (highlighted with a red dashed box), the text 'ITEM CARD', and icons for edit, add, and delete. Below the header is a tab bar with 'Process', 'Item', 'History', 'Special Sales P...ces & Discounts', and 'Request Approval'. The 'Item' tab is active, showing fields for Description (with a red asterisk), Base Unit of Measure (set to PCS), Blocked (toggle switch), Item Category Code, and Type (set to Inventory). A 'Show more' link is visible on the right side of the item details section.

# Action bar in Cards

- Action Bar replaces Ribbon.
- Modern presentation, follows Office.
- Flexible, adaptive, clean.
- Leaves more room for content.

Business Central | Customers > 10000 - Adatum Corporation > S-INV102223 - Adatum Corporation > 1000

ITEM CARD

1000

Process Item History Special Sales P...ces & Discounts Request Approval ...

Item

Description .....\*

Base Unit of Measure ... PCS

Blocked ..... ☐

Item Category Code ..... ☐

Type ..... Inventory

Show more

# Action bar in PageParts

- Previously, actions were places in dedicated tab in Ribbon.
- Now actions have dedicated bar, closer to items they refer to.
- Makes subpage actions more contextual.
- Leaves more room for main actions.

General

Show more

Customer Name

School of Fine Art

Posting Date

4/5/2018

Contact

Meagan Bond

Due Date

4/30/2018

Lines

Manage

Line

Less options

New Line

Delete Line

Item	1920-S	ANTWERP Conference Table	4	PCS	647.80	2,772.59
Item	1906-S	ATHENS Mobile Pedestal	2	PCS	433.60	927.90
Item	1908-S	LONDON Swivel Chair, blue	1	PCS	190.10	203.41

Subtotal Excl. Tax (USD)

3,648.50

Total Excl. Tax (USD)

3,648.50



# New header

- System actions used to be promoted in Ribbon.
- Now promoted in new header area.
- Highlights: edit, add and delete.
- Reduces content in Action Bar.
- Makes Edit/View mode more clearly visible.

The screenshot displays the 'ITEM CARD' header for item '1000' in the 'Business Central' application. The breadcrumb trail at the top reads: 'Business Central > Customers > 10000 - Adatum Corporation > S-INV102223 - Adatum Corporation > 1000'. The header area is highlighted with a red dashed box and contains a back arrow, the title 'ITEM CARD', and three action icons: edit (pencil), add (+), and delete (trash). Below the header, a ribbon shows tabs for 'Process', 'Item', 'History', 'Special Sales P...ces & Discounts', and 'Request Approval'. The 'Item' tab is active, showing fields for 'Description' (with a red asterisk), 'Base Unit of Measure' (set to 'PCS'), 'Blocked' (toggle switch), 'Item Category Code', and 'Type' (set to 'Inventory'). A 'Show more' link is visible on the right side of the 'Item' tab.

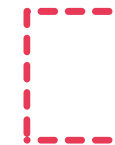
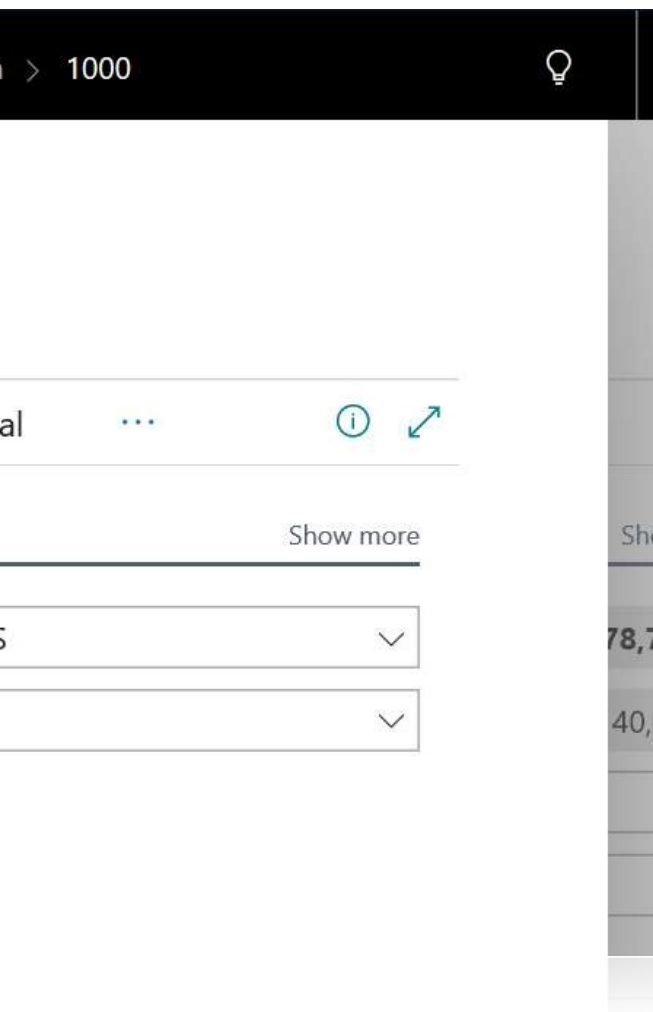
# Page record navigation actions

- Makes browsing across records more natural.
- Resembles familiar document or photo browsing experience.
- Reduces content in Action Bar.

The screenshot displays a software interface for managing records. The top navigation bar includes tabs for 'Process', 'Item', 'History', 'Special Sales P...ces & Discounts', 'Request Approval', 'Actions', and 'Navigate'. The main content area is divided into sections: 'Item' (with fields for Description, Blocked, Type, Base Unit of Measure, and Item Category), 'Inventory' (with fields for Shelf No., Stockout Warning, Unit Volume, and SAT Item Classification), and 'Picture' (showing a black chair). A vertical sidebar on the left contains a back arrow button, and a vertical sidebar on the right contains a forward arrow button, both highlighted with red dashed boxes. The bottom of the interface shows 'Costs & Posting' and 'Attachments' sections.

# Wide vs narrow layout

- Introduces improved two-page widths.
- Gives user control over use of space.
- User preference is remembered.
- Attractive and smooth.



# Restyled controls

- Refreshes the individual card elements.
- Simplifies the interaction.
- Introduces productivity enhancements.

Business Central | Customers > 10000 - Adatum Corporation > S-INV102223 - Adatum Corporation > 1000

ITEM CARD

1000

Process | Item | History | Special Sales P...ces & Discounts | Request Approval | ...

**Item** Show more

Description .....\*

Blocked ..... ☐

Type ..... Inventory

Base Unit of Measure ..... PCS

Item Category Code .....



# New UI improvements

DEMO



# Productivity



# Productivity

- Enable users to complete their tasks faster
- Reduce the barrier of switching to Cloud
- Reimagine proficiency for the Web



# Tell Me



×

If you want, we can assign attributes base

×

←

ITEM CARD

1900-S · PARIS

ProcessItemHistory

Item

Description ······PARIS Guest

Blocked ······☐

Type ······Inventory

Inventory

Shelf No. ······

Quantity on Hand ···

Qty. on Purch. Or... ·

Qty. on Sales Order ·

Costs & Posting

COST DETAILS

Costing Method ····FIFO

Standard Cost ······

Unit Cost ······

Net Invoiced Qty. ···0

Inventory Posting... ···RESALE

Default Deferral T... ···

Depth70 CM

Width75 CM

Report

...

ⓘ

↶

0

VALUE

Black

70 CM

75 CM

TELL ME WHAT YOU WANT TO DO

↗

×

inventory

×

On current page (Item Card)

📄

Adjust Inventory

Increase or decrease the item's inventory quantity manually by entering a new quantity. A...

📄

Phys. Inventory Ledger Entries

View how many units of the item you had in stock at the last physical count.

Go to Pages and Tasks

Show all (25)

>

Inventory Setup

Administration

>

Inventory Picks

Lists

>

Inventory Setup

Administration

Go to Reports and Analysis

Show all (21)

📄

Inventory Reorders

Reports and Analysis

📄

Physical Inventory List

Reports and Analysis

📄

Inventory Picking List

Reports and Analysis

Documentation

Show all (20)

?

How to Analyze Physical Inventory Differences - Business Central

After you have finished the physical inventory order, you can analyze the physical invento...

?

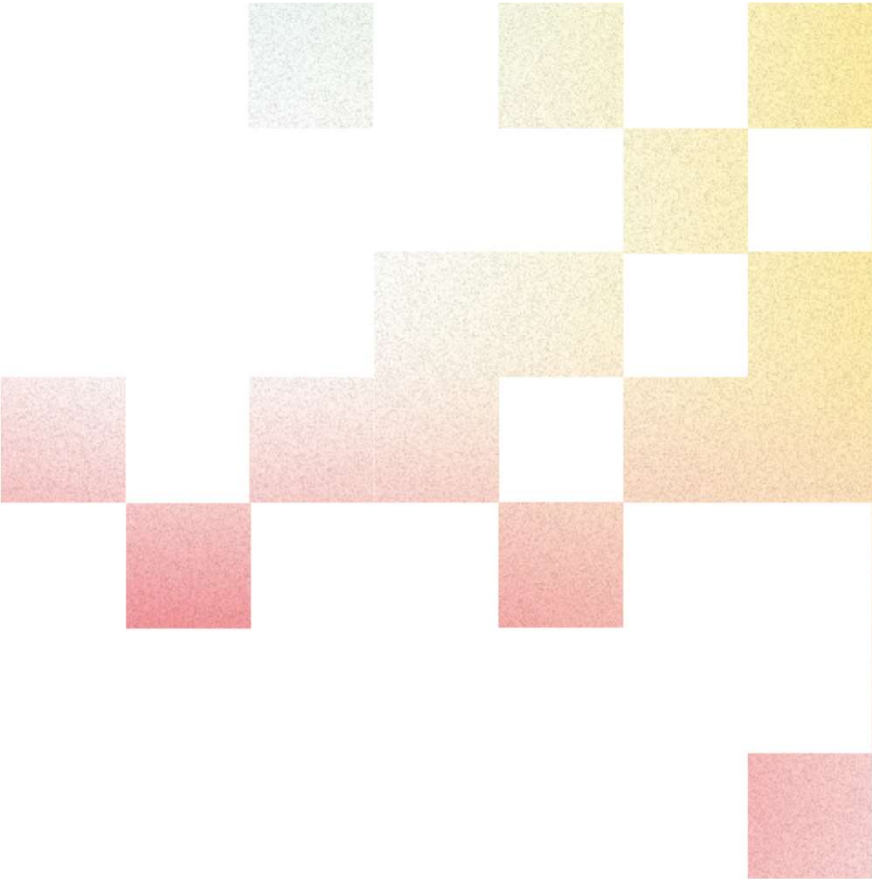
Design Details - Monitoring the Projected Inventory Level and the Reorder Point - Busi...

Learn how inventory planning distinguishes between projected inventory and projected a...

?

Physical Inventory Documents - Business Central

You can take inventory of your items using the physical inventory order and the physical i...



TELL ME WHAT YOU WANT TO DO

inventory

x

On current page (Item Card)

Adjust Inventory

Increase or decrease the item's inventory quantity manually by entering a new quantity. A...

Phys. Inventory Ledger Entries

View how many units of the item you had in stock at the last physical count.

Go to Pages and Tasks

Show all (25)

> Inventory Setup

Administration

> Inventory Picks

Lists

> Inventory Setup

Administration

Go to Reports and Analysis

Show all (21)

Inventory Reorders

Reports and Analysis

Physical Inventory List

Reports and Analysis

Inventory Picking List

Reports and Analysis

Documentation

Show all (20)

?

How to Analyze Physical Inventory Differences - Business Central

After you have finished the physical inventory order, you can analyze the physical invento...

?

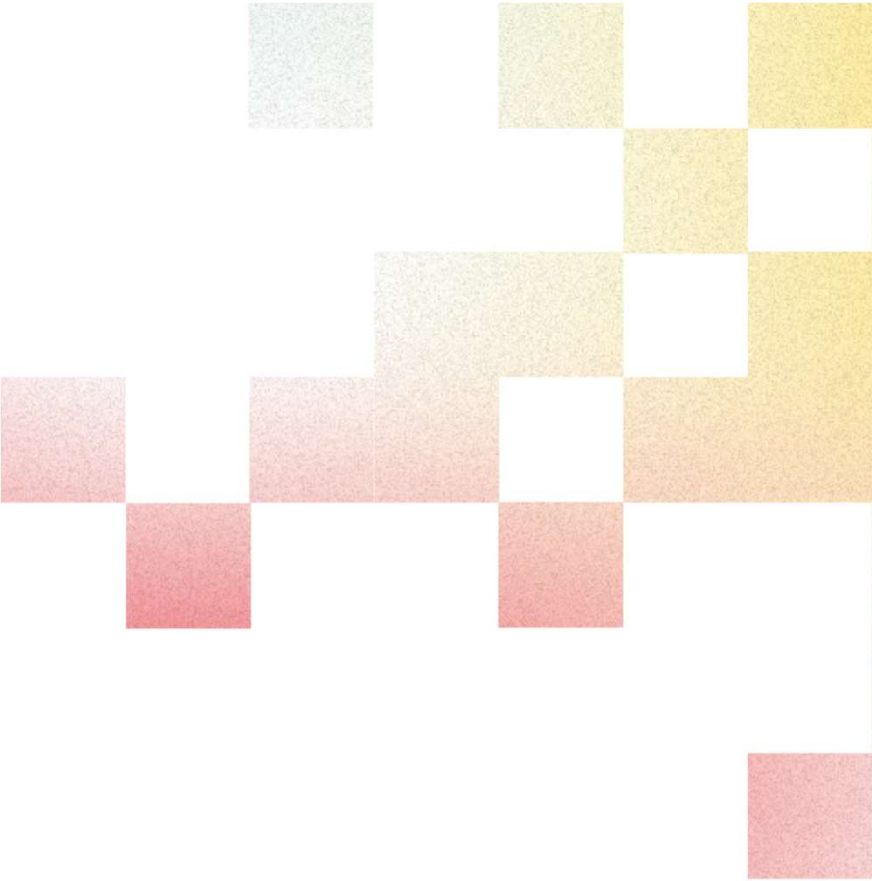
Design Details - Monitoring the Projected Inventory Level and the Reorder Point - Busi...

Learn how inventory planning distinguishes between projected inventory and projected a...

?

Physical Inventory Documents - Business Central

You can take inventory of your items using the physical inventory order and the physical i...



Tell Me

DEMO



# #DevTips

- Search just works for actions
- Set informative Page/Report captions
- Opt-in to TellMe by setting a UsageCategory property
- For now documentation search only includes online help docs





# Filter Pane



# Filter Pane

×

Filter list by:

×

No.

\*-S

▼

×

Quantity on Hand

>3

+ Filter...

Filter totals by:

×


Location Filter

EAST|MAIN

▼


+ Filter...

Reset filters



1936-S  
BERLIN Guest Chair, yellow  
192.80


20  
PCS



1968-S  
MEXICO Swivel Chair, black  
190.10

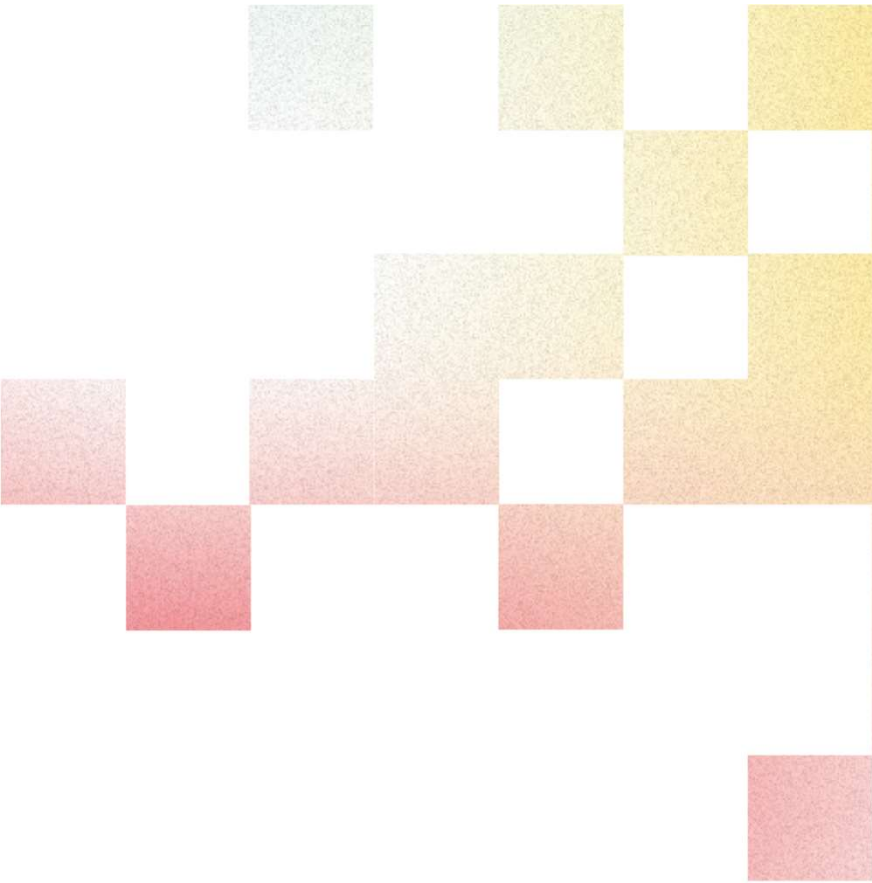
4  
PCS

⋮



2000-S  
SYDNEY Swivel Chair, green  
190.10

15  
PCS



×

Filter list by:

×

 No.

\*-S

×

 Quantity on Hand

>3

+

 Filter...

Filter totals by:

×

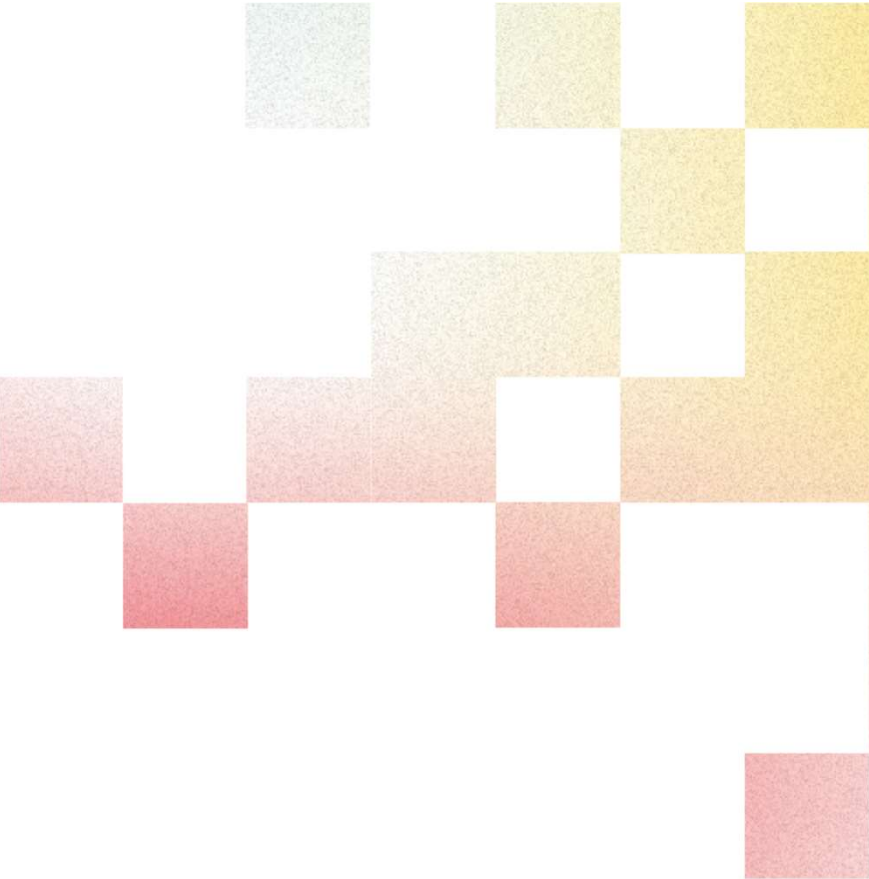
 Location Filter

EAST|MAIN

+

 Filter...

Reset filters



Views

×

All

Open Opportunities

Closed Opportunities

Filter list by:

×

No.

OP100000..OP100030

▼

+ Filter...

Reset filters



## Filter Pane

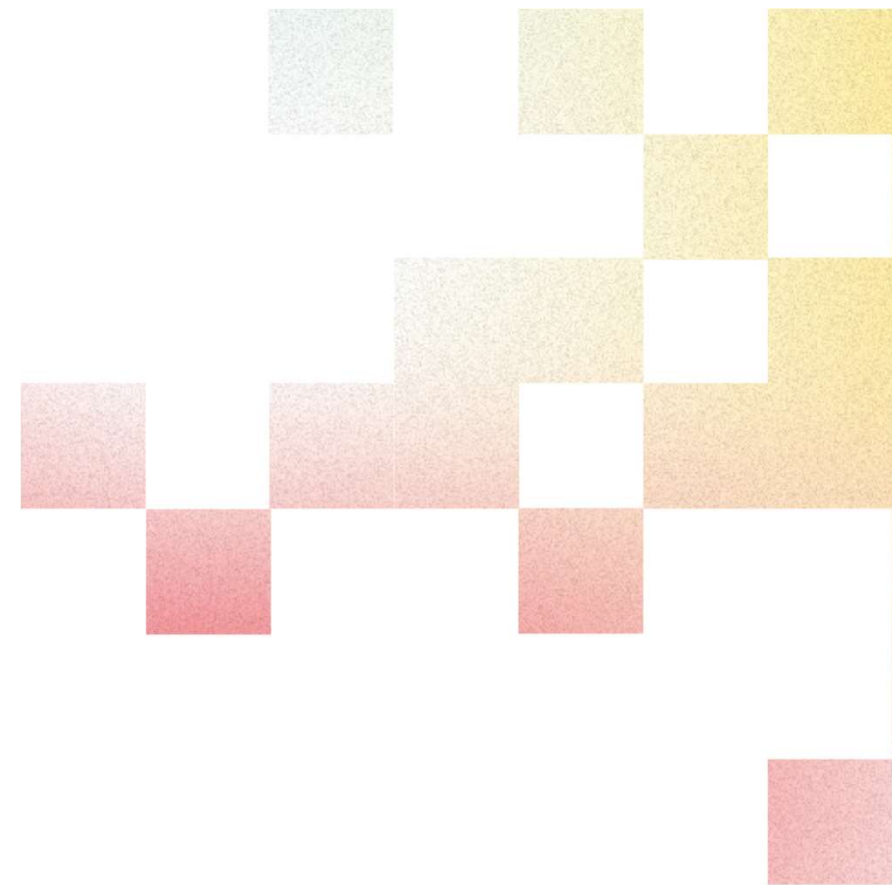
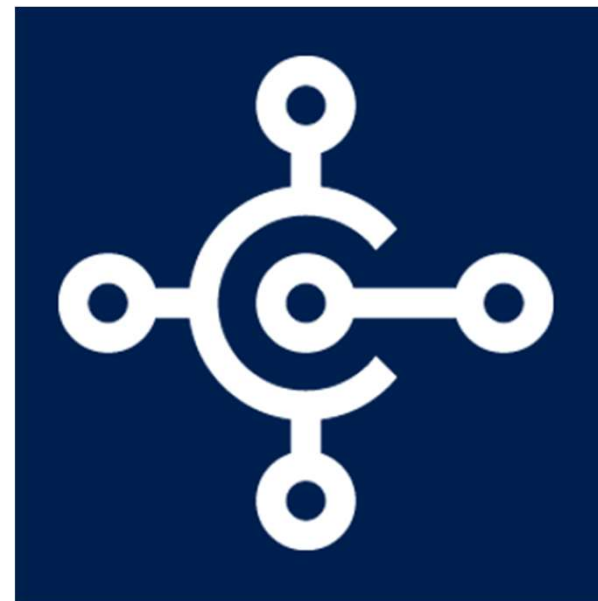
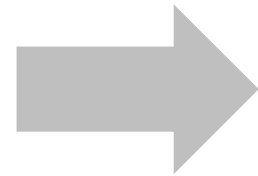
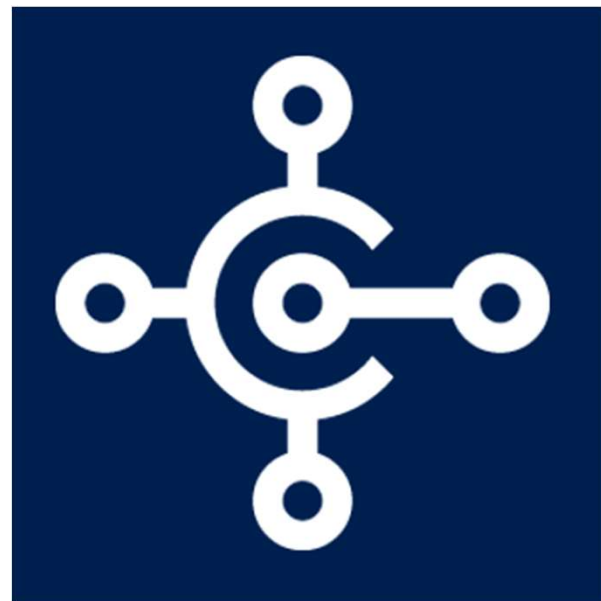
DEMO



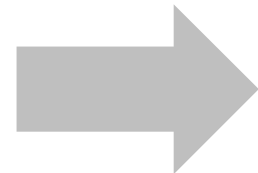
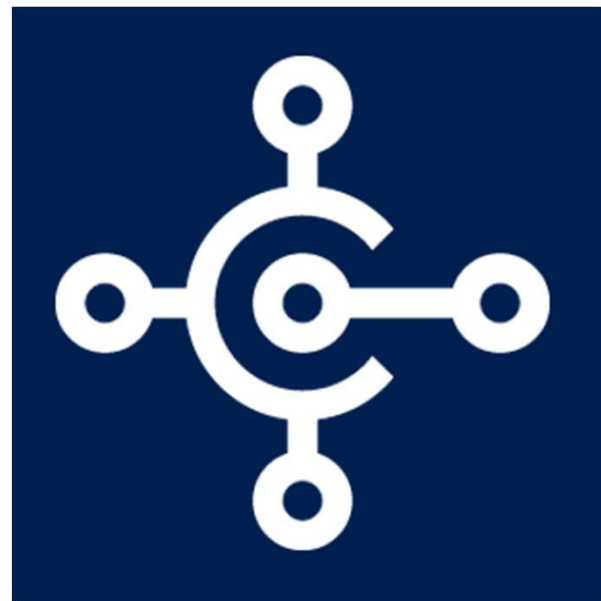


# Copy & Paste

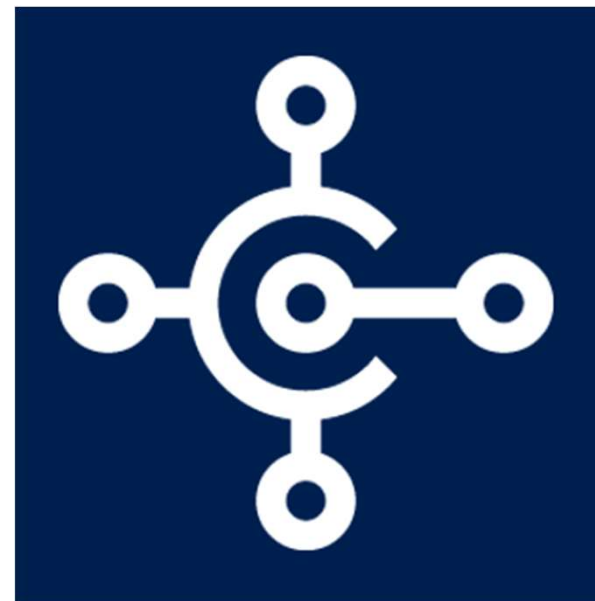
# Paste to the same list



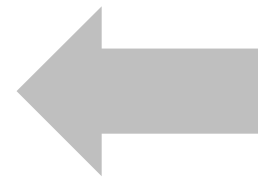
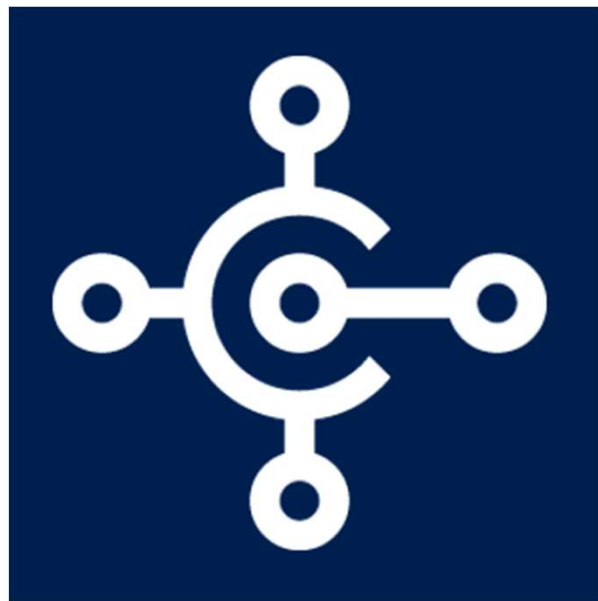
# Paste to the same or similar lists



**Important:**  
Number of  
columns,  
order and  
datatypes  
must match



# Paste into Business Central

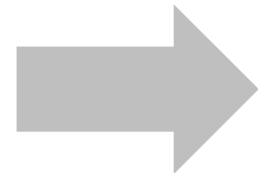
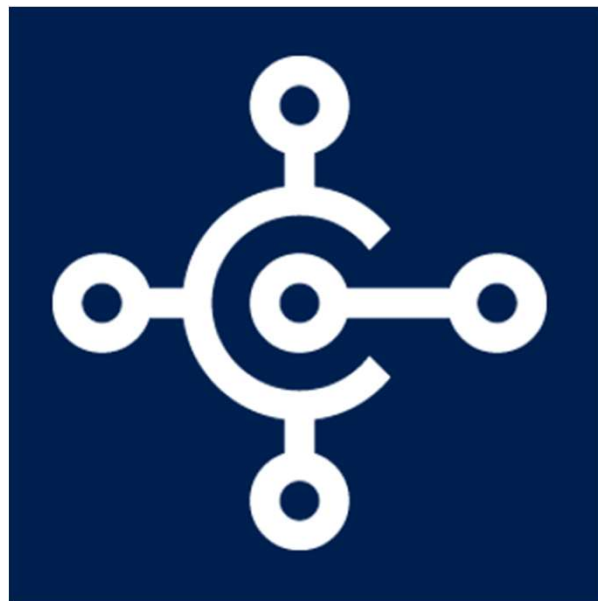


**Important:**  
Number of  
columns,  
order and  
datatypes  
must match





# Paste from Business Central



# Copy & Paste

DEMO



# Keyboard shortcuts

# New shortcuts

## Copy & Paste data

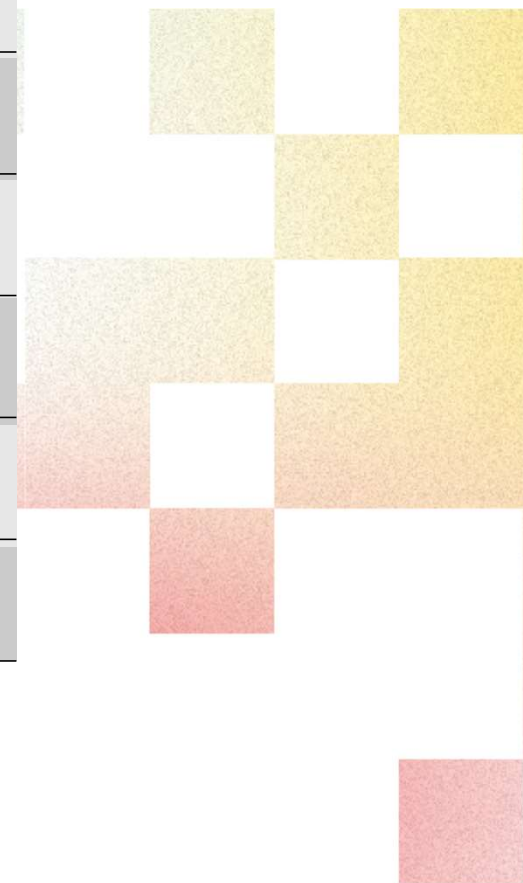
F8	Copy cell above
Ctrl + C	Copy rows
Ctrl + V	Paste totals

## Your new favorite!

Alt + Q	Tell Me
---------	---------

## Search & Filter

F3	Toggle Search
Shift + F3	Filter rows
Ctrl + Shift + F3	Filter totals
Alt + F3	Filter to current value
Shift + Alt + F3	Filter to current column
Ctrl + Enter	Jump to row
Shift + Alt + Ctrl + F3	Reset filter



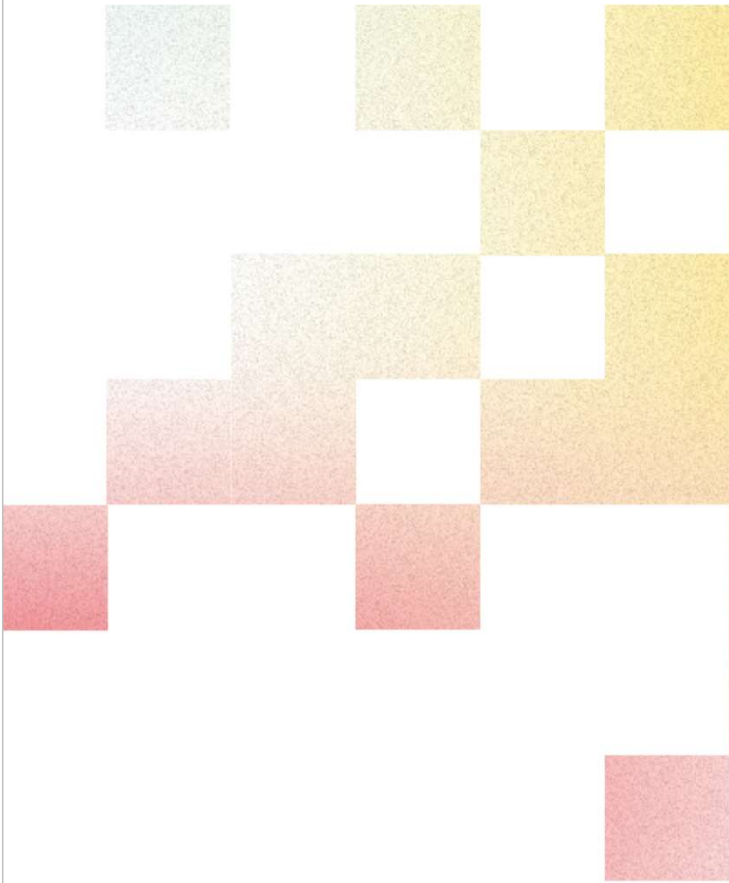


# Discover more



All keyboard shortcuts and link to printable CheatSheet  
<https://aka.ms/bckey>

PC keyboard shortcuts quick reference			
📅 10/01/2018 • ⌚ 2 minutes to read • Contributors 🧑🏻🧑🏻🧑🏻			
General		Navigate and select rows	
Alt+Q	Open Tell me what you want to do	Ctrl+A	Select all
Tab	Move focus to the next control	Home/End	Go to first/last field
Shift+Tab	Move focus to the previous control	Ctrl+Home/End	Go to first/last row
Alt+Down Arrow	Open a drop-down or look up	Ctrl+Up/Down	Navigate without losing selection
Alt+Right Arrow	See the transactions for calculated value	Ctrl+Space	Toggle row selection
Esc	Close the current page or drop-down.	Shift+Ctrl+Home/End	Extend selection to first/last row
		Ctrl+Enter	Focus out of the list



# Accessibility

# Desktop Accessibility

- Business Central desktop client is accessible
- Delivering on Microsoft wide commitment to Accessibility and inclusive workforce
- Committed to maintain current rating on desktop and achieve the same on mobile



# One App



# One App: Business Central

- One Business Central app on Android, IOS and Windows
- Connects to Cloud, ISV and On Premises solutions



# Microsoft Invoicing – *better than ever*



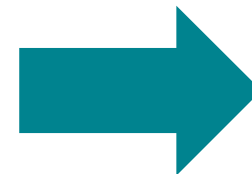
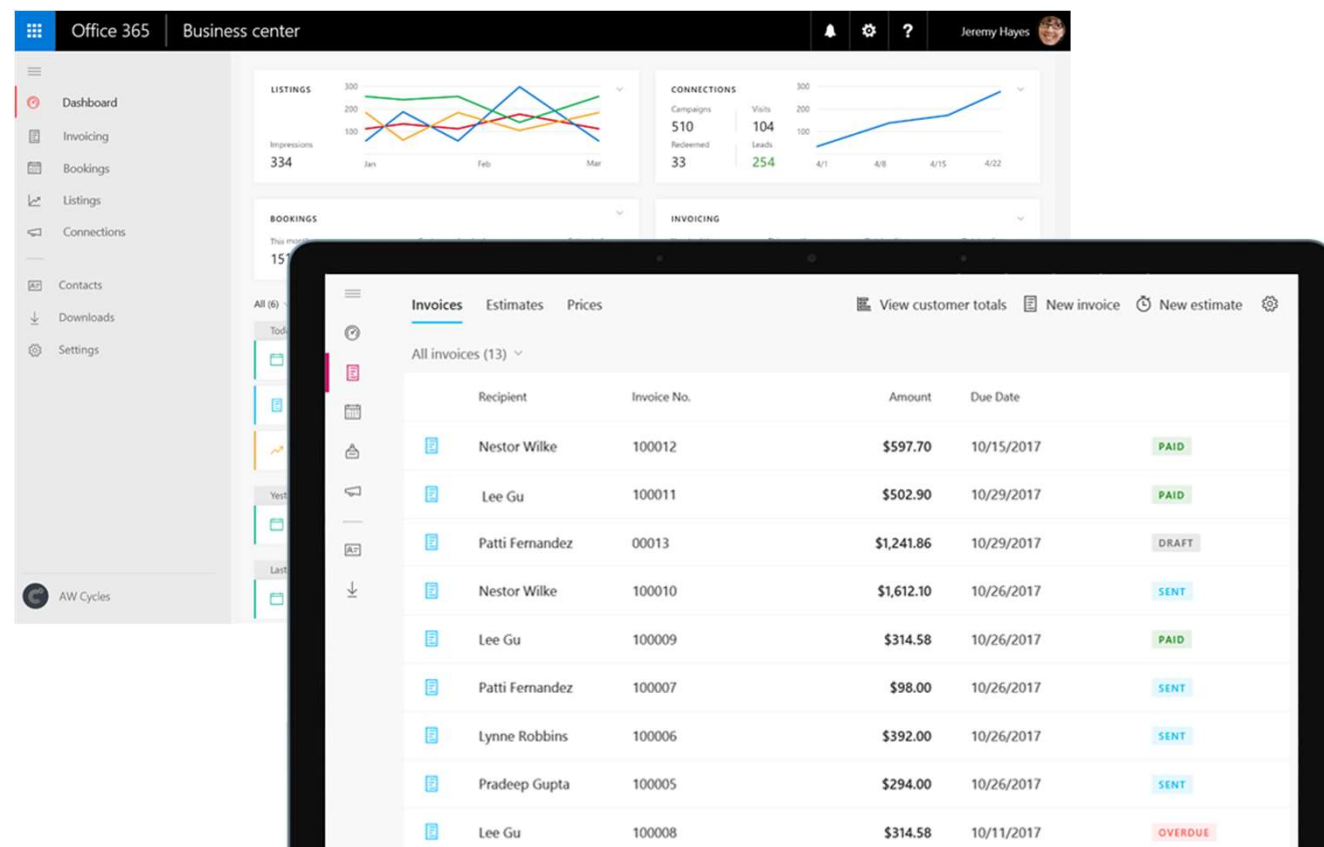
Our journey to re-invent stand alone Office  
365 consumer product based on Modern  
Business Central UI



# Microsoft Invoicing

Will **Modern Navision (Modena)** UI work for consumer?

Can we (as internal partner) build a consumer ready modern experience based on Business Central platform?



<https://products.office.com/en-us/business/microsoft-invoicing/invoice-software>

# Microsoft Invoicing as a standalone Office 365 consumer ready product

DEMO





# Summary

- Built on standard platform without any special treatment\*
- Modern UI helped us to bring easy to understand and use experience to the consumers
- Proficiency and accessibility features out of the box

*"I just spent some time with it. It is great, really nice piece of software. It is amazing to see how well Modena scales down to the **simple scenarios**"*

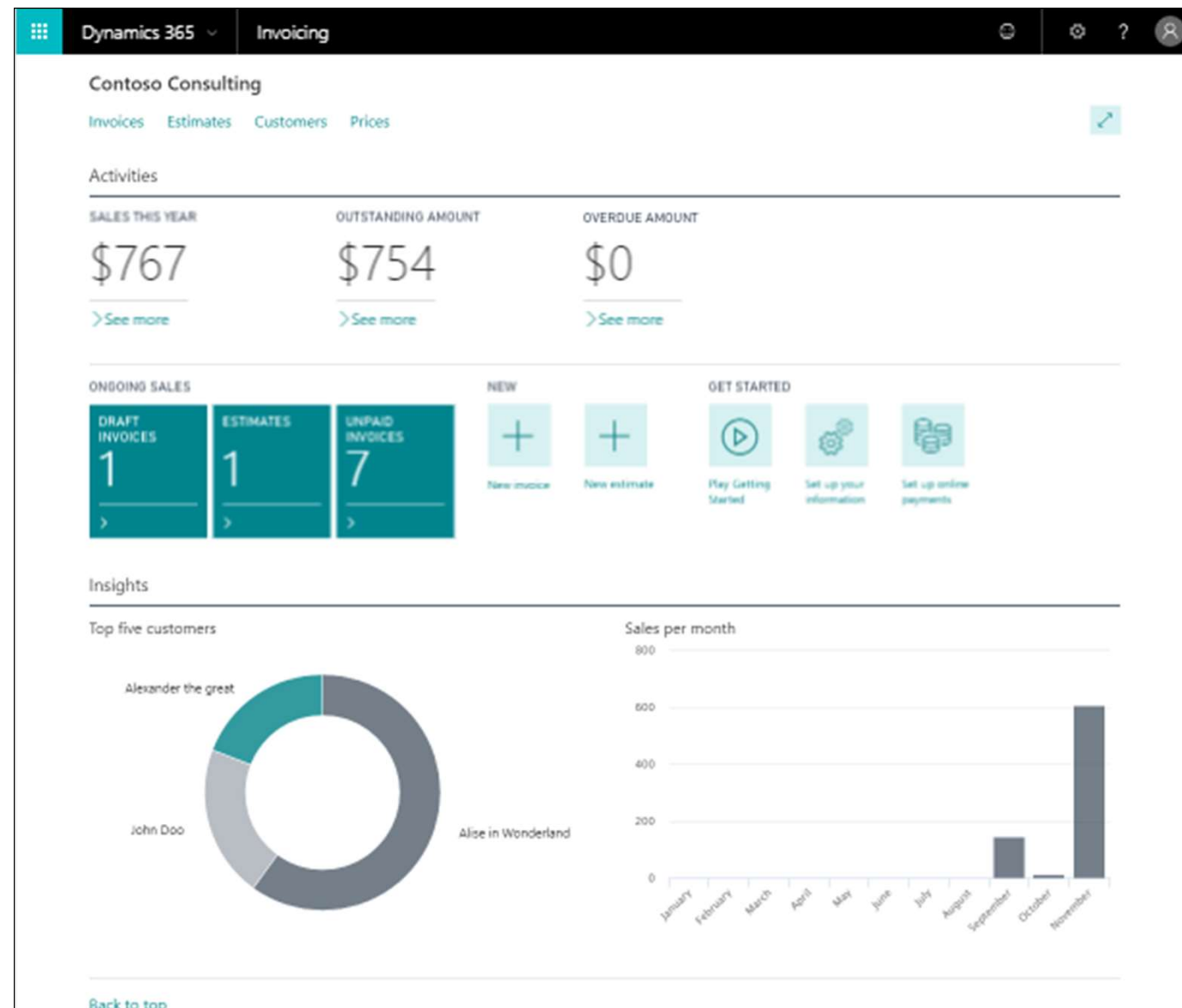
*– usability study*

*"We, as partners and developers, we should really aspire to apply this level of polish to all the most common scenarios our users have across business central."*

*- Marko*

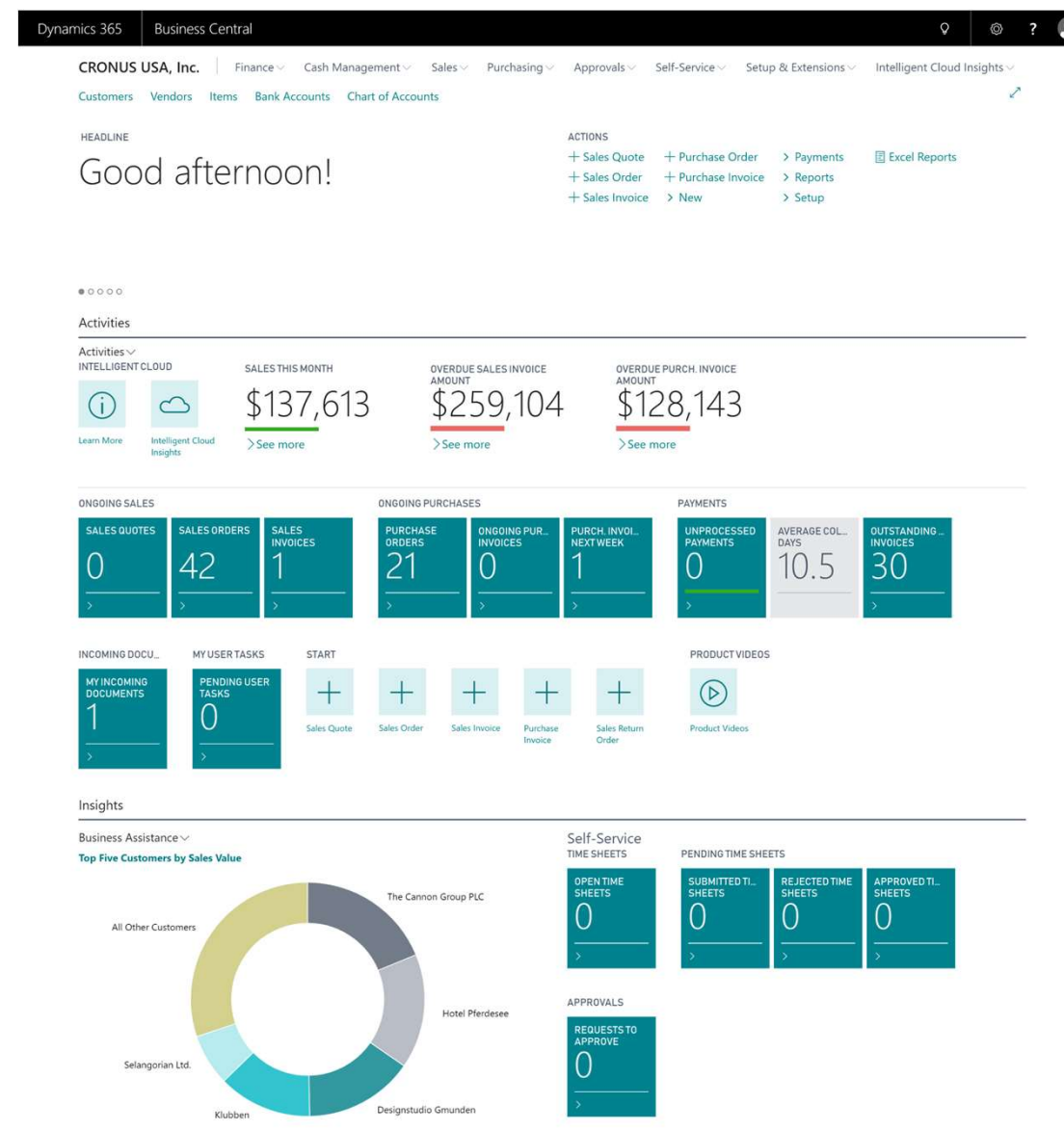
# In customer's words

*"New Invoicing is so pretty 😊"*



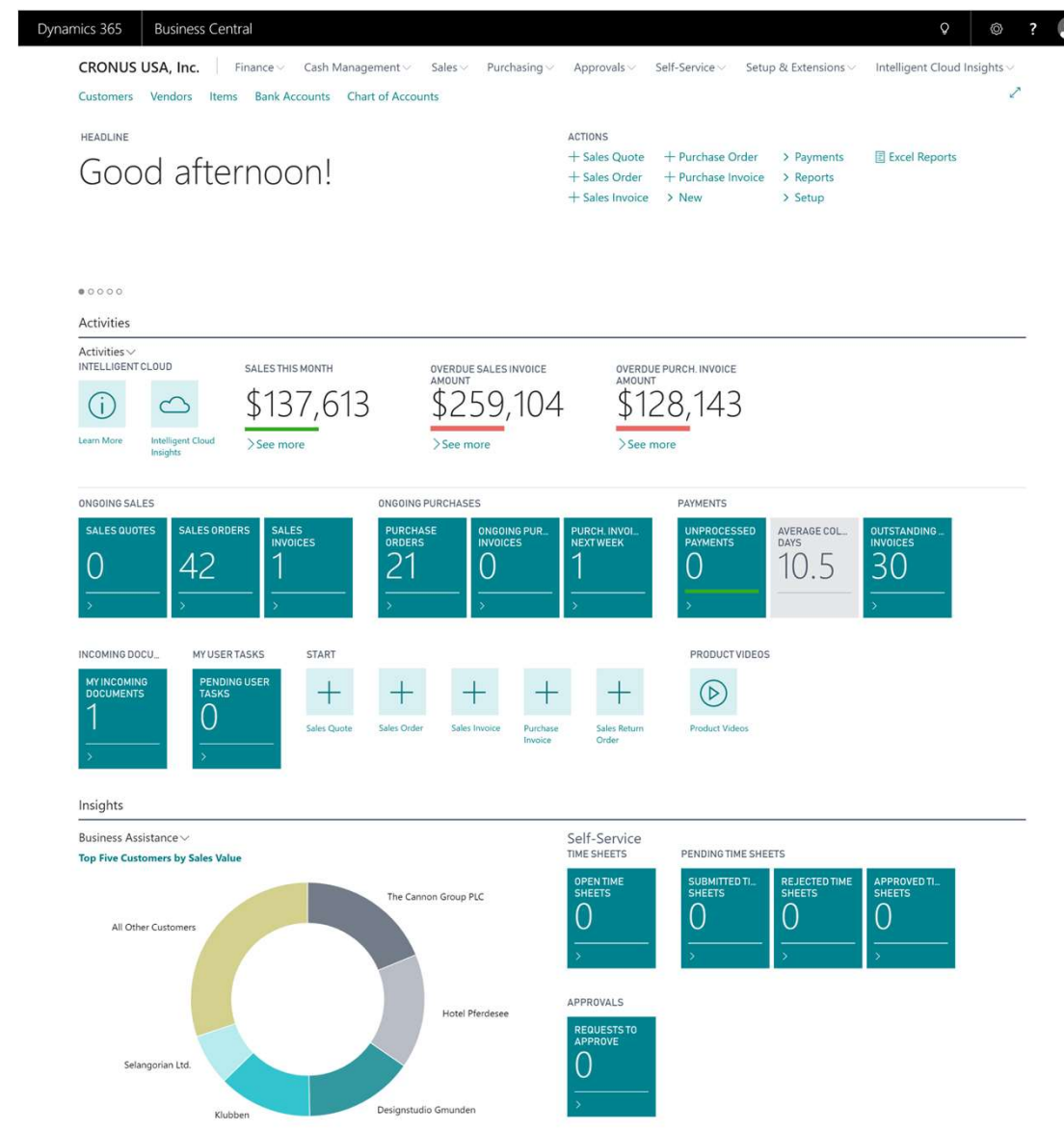
# In customer's words

*"New modern Navision is so pretty 😊"*



# In customer's words

*"New Business Central is so pretty 😊"*





# Sneak peek

CRONUS USA, Inc.

Finance ▾

Cash Management ▾

Sales ▾

Purchasing ▾

Approvals ▾

Self-Service ▾

Setup & Extensions ▾

Intelligent Cloud Insights ▾

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

○ ○ ○ ○ ●

ACTIONS

- + Sales Quote
- + Sales Invoice
- + Purchase Invoice
- > Payments
- > Setup
- + Sales Order
- + Purchase Order
- > New
- > Reports
-  Excel Reports

What kind of feedback do you have?

Engage our community

Submit an idea

ONGOING SALES

SALES QUOTES

6

>

SALES ORDERS

4

>

SALES INVOICES

7

>

ONGOING PURCHASES

PURCHASE ORDERS

5

>

ONGOING PUR... INVOICES

3

>

PURCH. INVOI... NEXT WEEK

0

>

PAYMENTS

UNPROCESSED PAYMENTS

1

>

AVERAGE COL... DAYS

5.8

>

OUTSTANDING... INVOICES

10

>

INCOMING DOCU...

MY INCOMING DOCUMENTS

1

>

MY USER TASKS

PENDING USER TASKS

0

>

START











PRODUCT VIDEOS



GET STARTED



Thank  
**THANK YOU**  
you

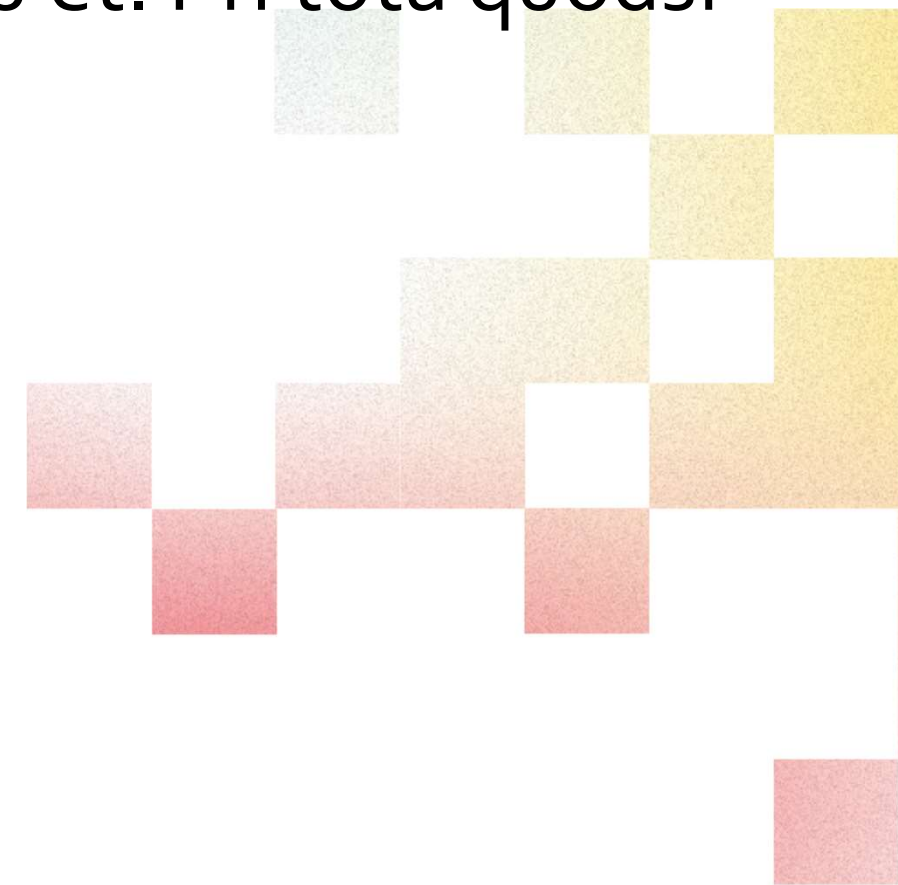
**Any Questions?**



# Main title slide & content

Lorem ipsum dolor sit amet, te mel congue percipit. Te vero vide scriptorem vis. No quo inani euismod ancillae, in vitae delenit pri. Mea ne magna inciderint, putant neglegentur nam et. Cu nam iisque imperdiet, te has prima insolens molestiae, te falli vivendum posidonium eos. At quo impedit delicata forensibus, vix at elitr iracundia, postea debitis nostrum usu et. Pri tota quodsi nostrum te, vim ex quod laudem.

- Lorem ipsum dolor sit amet, te mel congue percipit.
- Te vero vide scriptorem vis.
  - No quo inani euismod ancillae, in vitae delenit pri.



## 2 rows content

Lorem ipsum dolor sit amet, te mel congue percipit. Te vero vide scriptorem vis. No quo inani euismod ancillae, in vitae delenit pri. Mea ne magna inciderint, putant neglegentur nam et.

- Lorem ipsum dolor sit amet, te mel congue percipit.
- Te vero vide scriptorem vis.
  - No quo inani euismod ancillae, in vitae delenit pri.

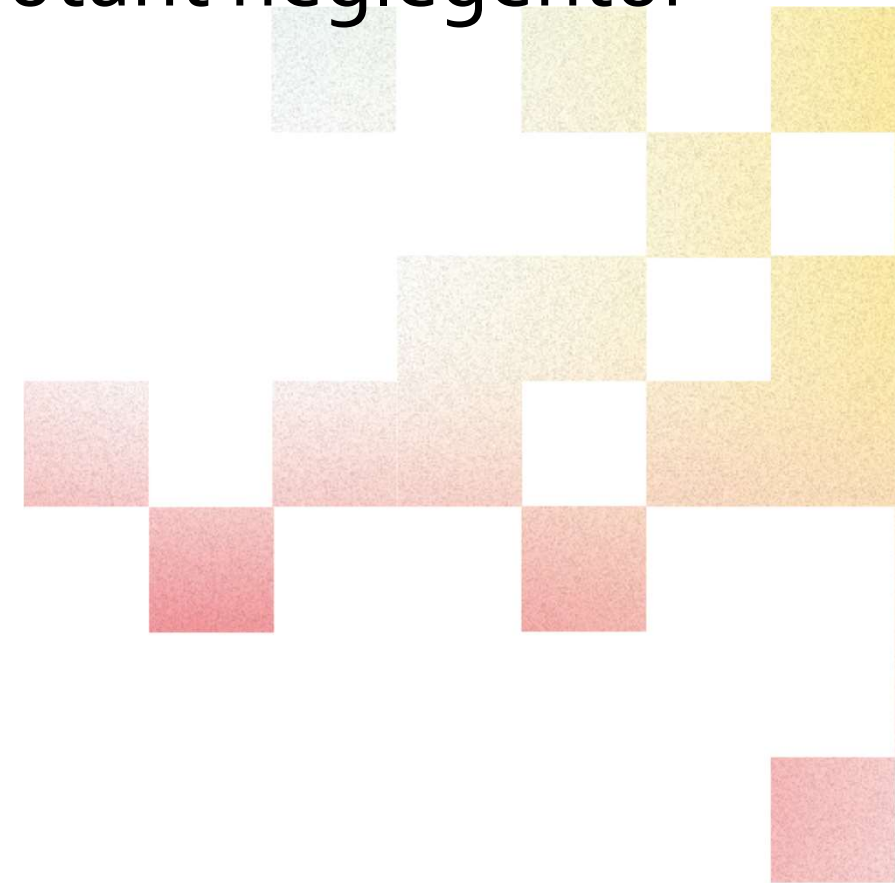


## 2 col content

Lorem ipsum dolor sit amet, te mel  
congue percipit. Te vero vide  
scriptorem vis. No quo inani euismod  
ancillae, in vitae delenit pri. Mea ne  
magna inciderint, putant neglegentur  
nam et.

- Lorem ipsum dolor sit amet, te  
mel congue percipit.
- Te vero vide scriptorem vis.
  - No quo inani euismod ancillae, in  
vitae delenit pri.

Lorem ipsum dolor sit amet, te mel  
congue percipit. Te vero vide  
scriptorem vis. No quo inani euismod  
ancillae, in vitae delenit pri. Mea ne  
magna inciderint, putant neglegentur  
nam et.



## 2 rows — 2 cols content

Lorem ipsum dolor sit amet, te mel  
congue percipit. Te vero vide  
scriptorem vis. No quo inani euismod  
ancillae, in vitae delenit pri.  
Mea ne magna inciderint, putant  
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congue percipit.
- Te vero vide scriptorem vis.
  - No quo inani euismod ancillae, in  
vitae delenit pri.



# 1 col — 2 rows content

Lorem ipsum dolor sit amet, te mel  
congue percipit. Te vero vide  
scriptorem vis. No quo inani euismod  
ancillae, in vitae delenit pri.  
Mea ne magna inciderint, putant  
neglegentur nam et.

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  - No quo inani euismod ancillae, in  
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congue percipit.
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  - No quo inani euismod ancillae, in  
vitae delenit pri.

# 1 col — 2 rows content

- Lorem ipsum dolor sit amet, te mel congue percipit.
- Te vero vide scriptorem vis.
  - No quo inani euismod ancillae, in vitae delenit pri.

- Lorem ipsum dolor sit amet, te mel congue percipit.
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# 2 cols — comparison

## Lorem ipsum dolor

- Lorem ipsum dolor sit amet, te mel congue percipit.
- Te vero vide scriptorem vis.
- No quo inani euismod ancillae, in vitae delenit pri.
- Te vero vide scriptorem vis.
- No quo inani euismod ancillae, in vitae delenit pri.

## Lorem ipsum dolor

- Lorem ipsum dolor sit amet, te mel congue percipit.
- Te vero vide scriptorem vis.
- No quo inani euismod ancillae, in vitae delenit pri.



# Resources

- Website 1
- Website 2
- ...

