

**NAV
TECH
DAYS
2016**

mibuso.com

BUILDING COOL EXPERIENCES IN NAV EVERYWHERE

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WHEN YOU ARE PASSIONATE ABOUT MICROSOFT DYNAMICS NAV | www.navtechdays.com

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Session Objectives

1

All new
experiences

2

Mobile & Touch
enhancements

3

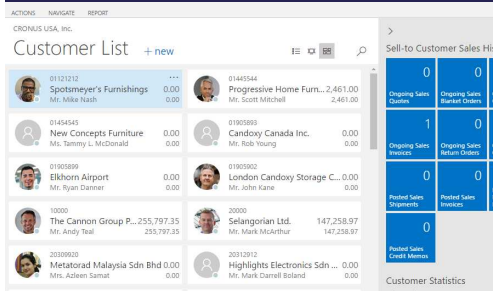
Simplicity &
Productivity

4

What's next

All-new Ingredients

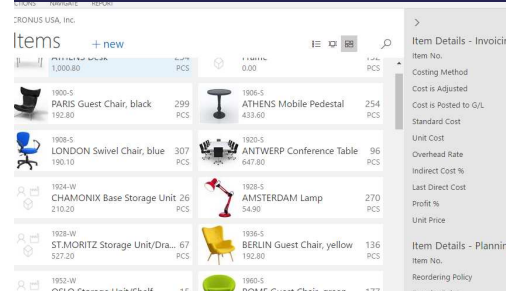
Bricks



Customer List

Customer No.	Customer Name	Balance (\$)
01121212	Spotsneyer's Furnishings	0.00
01445544	Progressive Home Furn...	2,461.00
01454545	New Concepts Furniture	0.00
01905899	Elkhorn Airport	0.00
10000	The Cannon Group P...	255,797.35
20000	Metatorad Malaysia Sdn Bhd	0.00
01454545	Candoxy Canada Inc.	0.00
01905899	London Candoxy Storage C...	0.00
20000	Selangorlan Ltd.	147,258.97
20010012	Highlights Electronics Sdn ...	0.00
01905899	Mr. John Kane	0.00
20000	Mr. Mark McArthur	147,258.97
20010012	Mr. Mark Darrell Boland	0.00

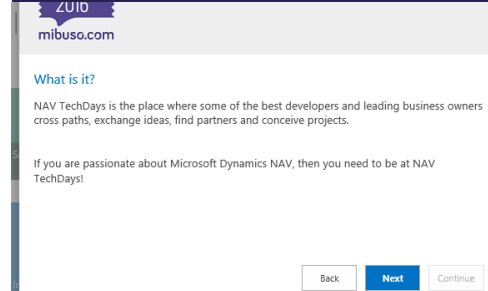
Media



Items

Item No.	Item Name	Unit	Quantity	Unit Cost
1900-5	PARIS Guest Chair, black	PCS	299	192.80
1900-5	ATHENS Mobile Pedestal	PCS	254	433.60
1900-5	LONDON Swivel Chair, blue	PCS	307	190.10
1900-5	ANTWERP Conference Table	PCS	96	647.80
1924-W	CHAMONIX Base Storage Unit	PCS	26	210.20
1928-W	ST.MORITZ Storage Unit/Dra...	PCS	67	527.20
1932-W	OSLO Storage Unit/Shelf	PCS	15	
1906-5	AMSTERDAM Lamp	PCS	270	54.90
1936-5	BERLIN Guest Chair, yellow	PCS	136	192.80
1960-5	ROME Guest Chair, green	PCS	177	

Wizards



NAV TechDays

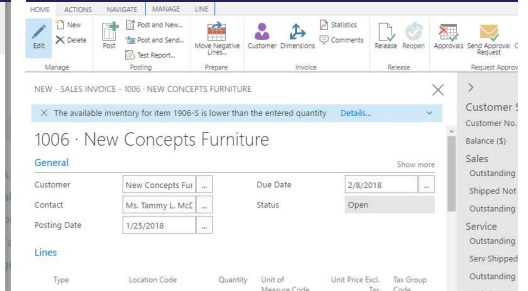
What is it?

NAV TechDays is the place where some of the best developers and leading business owners cross paths, exchange ideas, find partners and conceive projects.

If you are passionate about Microsoft Dynamics NAV, then you need to be at NAV TechDays!

Back Next Continue

Contextual notifications



NEW - SALES INVOICE - 1006 - NEW CONCEPTS FURNITURE

The available inventory for item 1906-5 is lower than the entered quantity. Details...

1006 - New Concepts Furniture

General

Customer: New Concepts Fur... Due Date: 2/8/2018

Contact: Mrs. Tammy L. Mc... Status: Open

Posting Date: 1/25/2018

Lines

Type	Location Code	Quantity	Unit of Measure Code	Unit Price Ext.	Tax Code

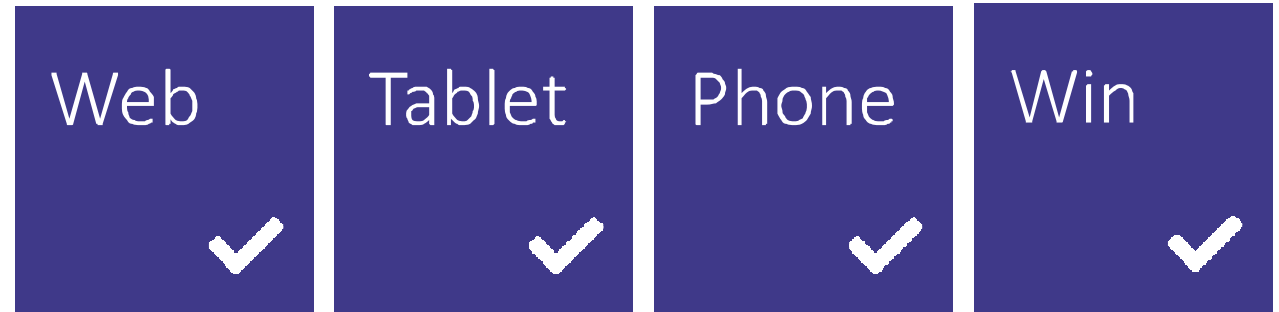
Demo

Dynamics NAV on desktop

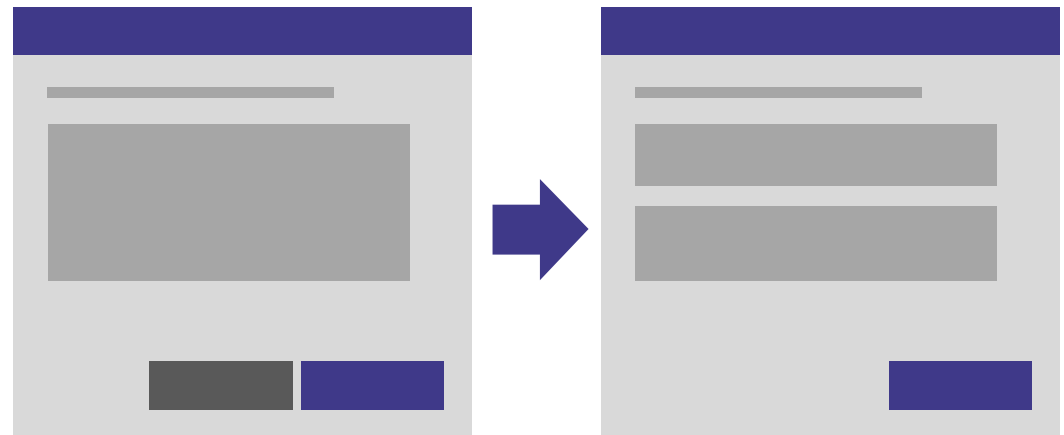


Wizards - Insider

- Not a new concept
- Upgrade should be trivial
- No actions required in HTML clients
- Many examples in product



PageType = NavigatePage



Wizard – Cover Image

- Can be Media field or control add-in
- Gray background
- Left aligned
- Optional
- One per step



Wizards – Creating Steps

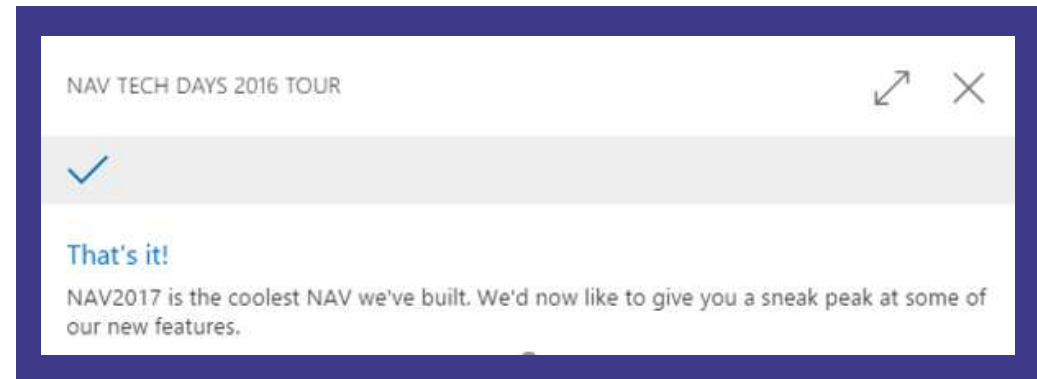
ShowCaption = No

Type	SubType	SourceExpr	Caption
Container	ContentArea		<Control1>
Group	Group		<Step1>
Field		MyMediaTable.MyMedia	<MyMediaTable>
Group	Group		Welcome!
Group	Group		<Step2>

Visible = CurrentStep

InstructionalTextML = ...

- Steps as groups
- Use visibility to set the current step
- Remember not to show caption



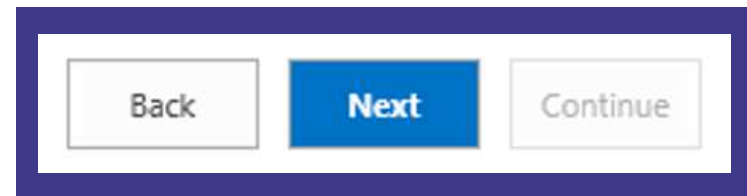
Wizards – Actions for Navigation

```
ActionList=ACTIONS
{ Action;
  CaptionML=ENU=Text;
  Enabled=CurrentStep < 5;
  InFooterBar=Yes;
  Image=NextRecord;
  OnAction=BEGIN
    CurrentStep += 1;
  END;
```

Phone Client



Desktop Client

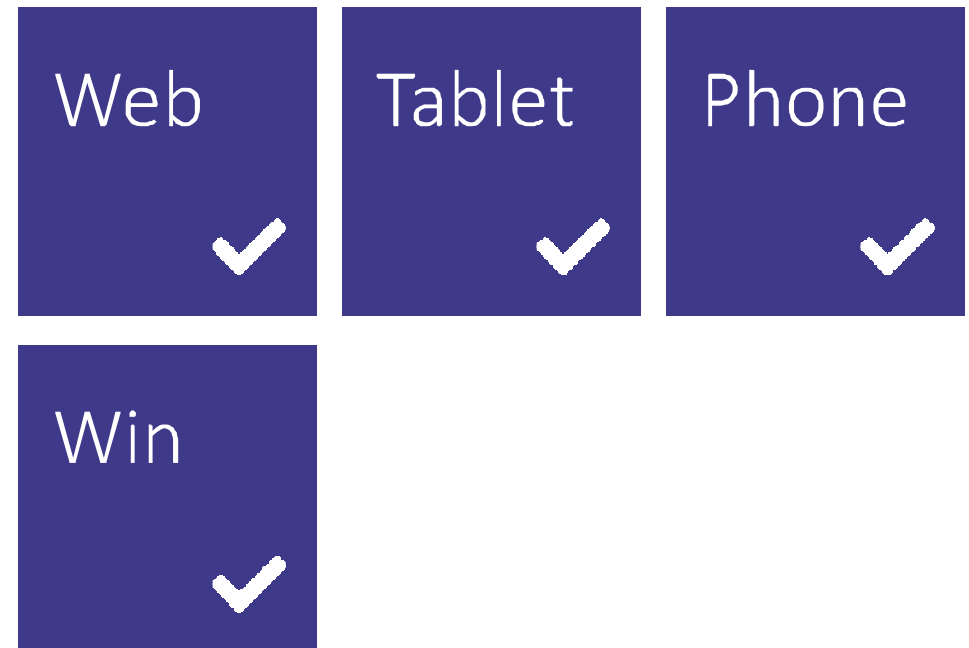


Media - Insider

- Stored in system table
- Referenced via ID

Supported features

- Thumbnailing, caching, on-demand loading
- BMP, JPG, GIF, PNG formats supported
- Client only shows first picture
- Can show in Reports
- Shown on CardParts, Wizards (as cover image)

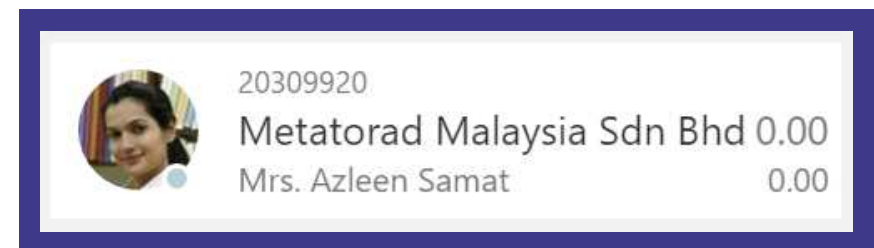


Media – In bricks

- Thumbnails show wherever bricks go

```
FIELDS
{ Portrait;Media; ExtendedDatatype=Person; }

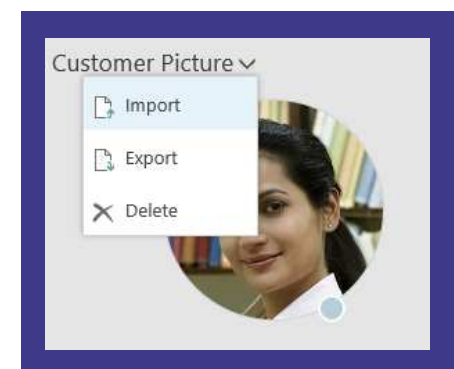
FIELDGROUPS
{ Brick;No.,Name,Contact,Balance,Portrait }
```



- Must code your own CRUD if using HTML clients

```
ImportPortrait - OnAction()
FileName := FileManagement.UploadFile(txt, ClientFileName);

// Adds to table, creates reference, generates thumbnails
Portrait.IMPORTFILE(FileName, myCaption);
MODIFY(TRUE);
FileManagement.DeleteServerFile(FileName);
```



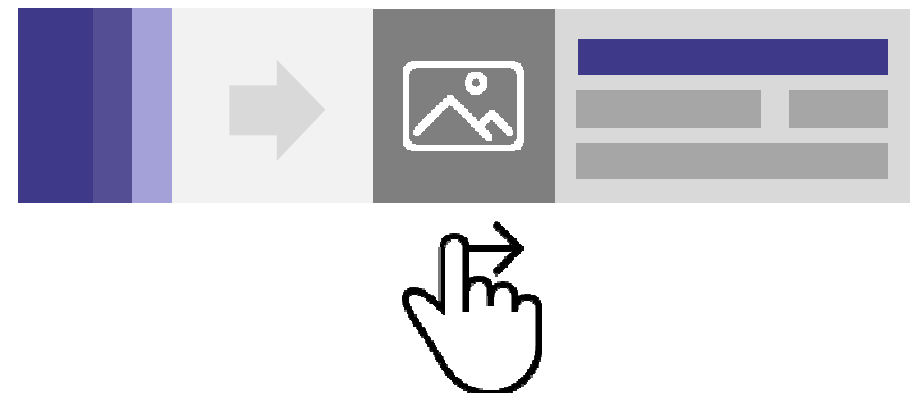
Demo

Mobile & Touch



Gestures – Swipe

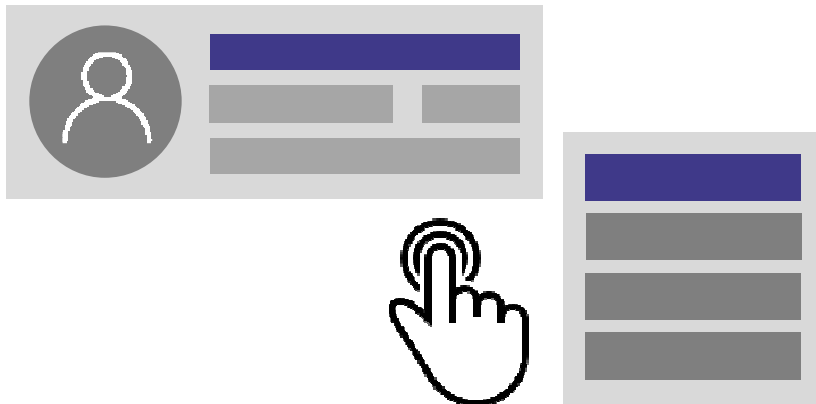
- Record level swipe
- Lists
- ListParts
- Driven by scope and gesture properties
- Single vs. multiple actions
- Max 3 actions
- Implicit ordering



Gestures – Tap & Hold

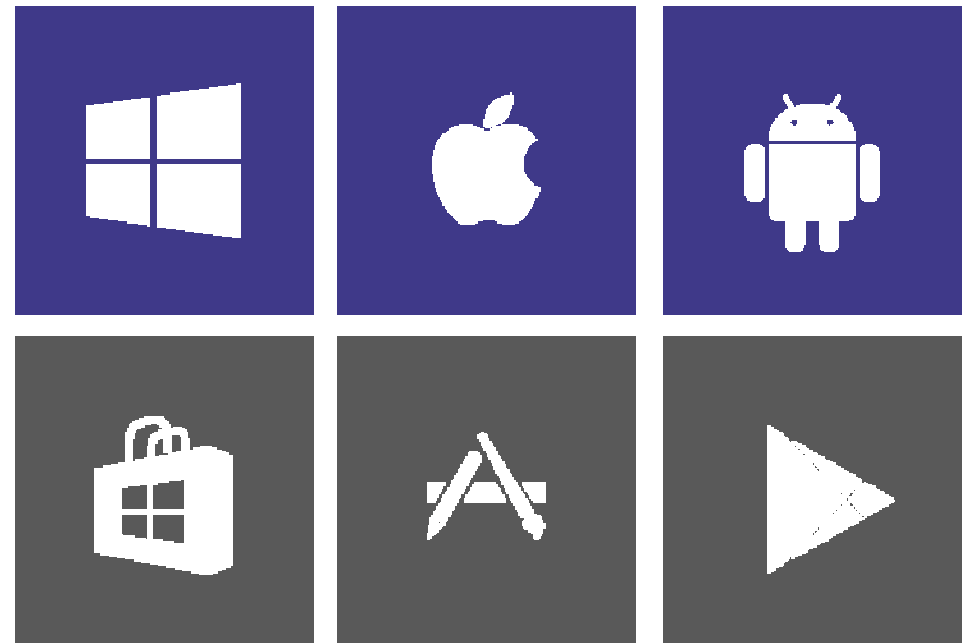
- Lists
- ListParts
- Driven by Scope property

Web	Tablet	Phone
✗	✓	✓



Latest mobile platforms

- Windows, Android, and iOS
- iOS 10 supported
- All devices
- Windows 10, Surface, Windows Phone
- iPad, iPad Pro, iPhone
- Android phones and tablets
- Support for latest version and 1 version prior
- Regularly updated



Simplifying the User Experience

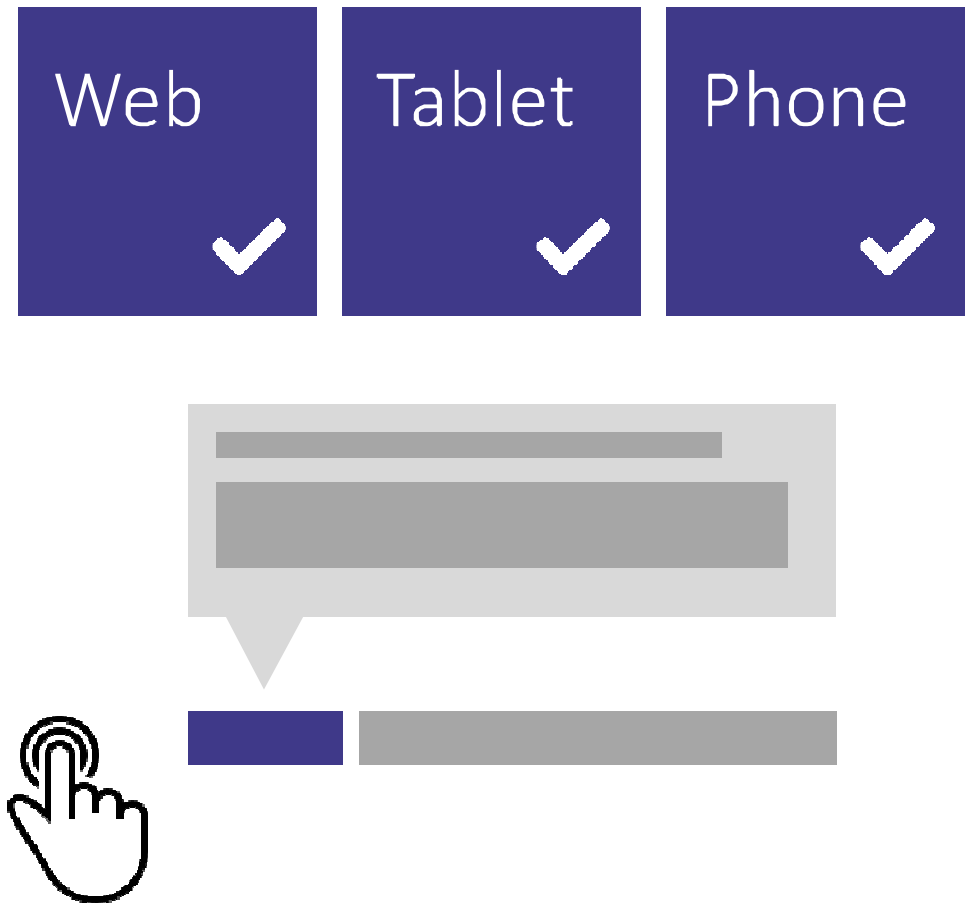
NAV easy to use from the very first time.

New tooltip UI

- Based on ToolTipML property

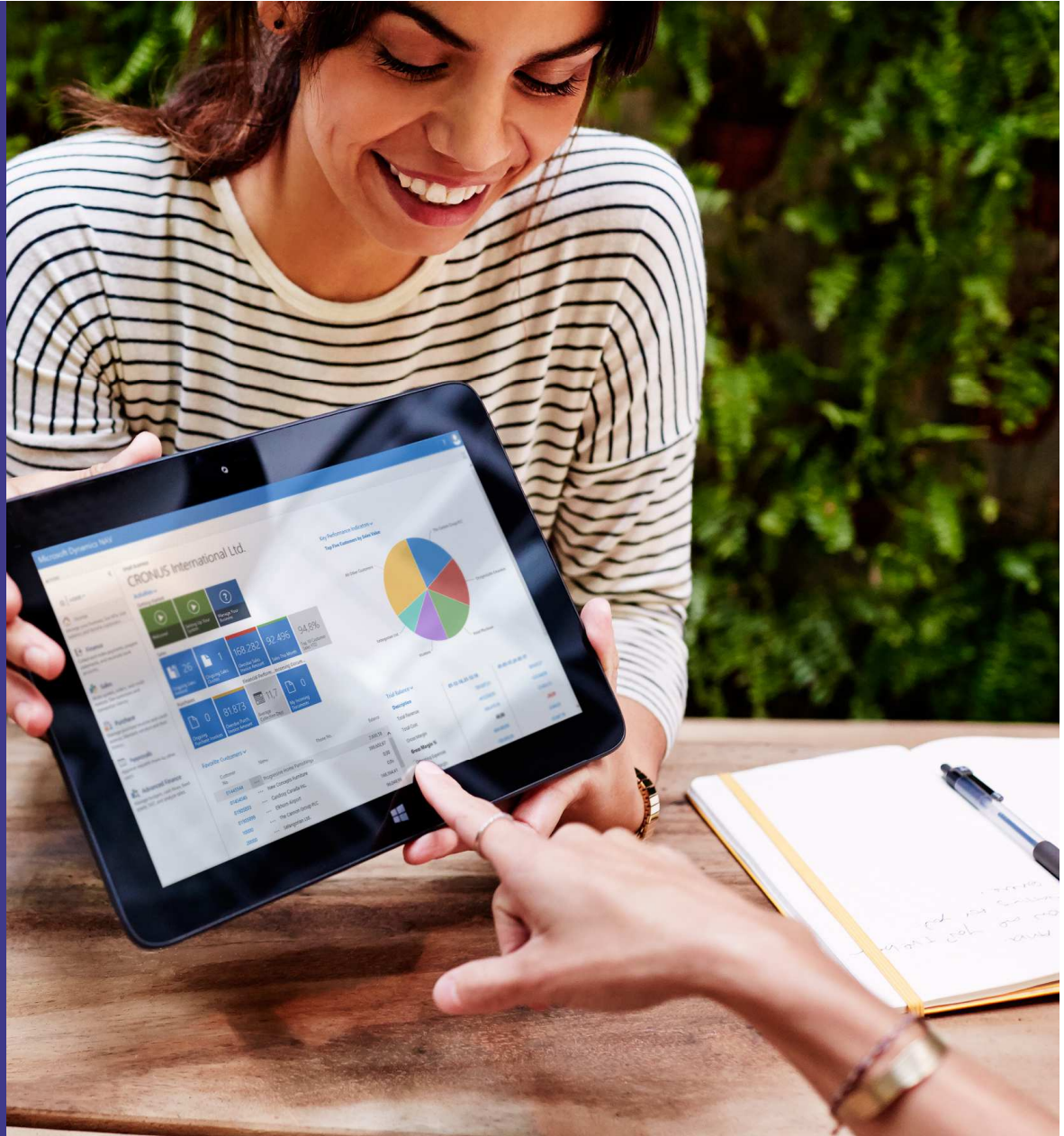
On pages

- Available on all page types
- Available in factboxes and ribbon
- Available on all clients



Demo

Help
novice users



Notifications

- A new user interaction paradigm
- Contextual, local, synchronous
- Non-intrusive
- New type
- Optional actions, max 3
- Manual dismiss, automatic dismiss on action
- Ability to recall and update an existing notification
- Shows on host page

Web



Tablet



Phone



Win



Demo

Notifications in action

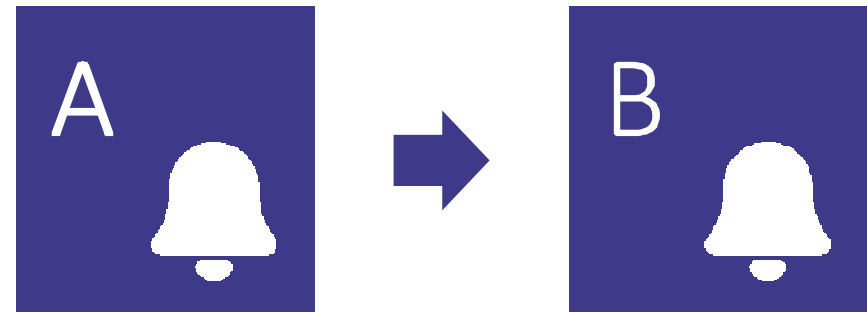


Notifications API – Update and Recall

Ability to interact with notifications that are already shown in the client.

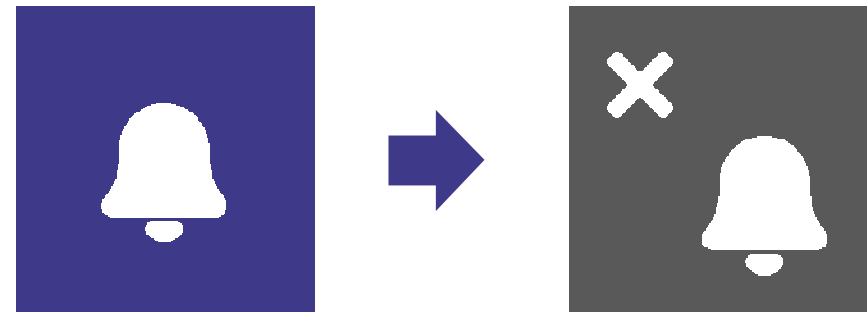
Update existing notifications

- Change the same object and resend the notification
- No need to recall a notification and send it again



Recall notifications

- Function for recalling (removing) a notification



Demo

Productivity in Outlook



Outlook Client – Insider

Requires Web client with TLS/SSL!

Supported authentication modes

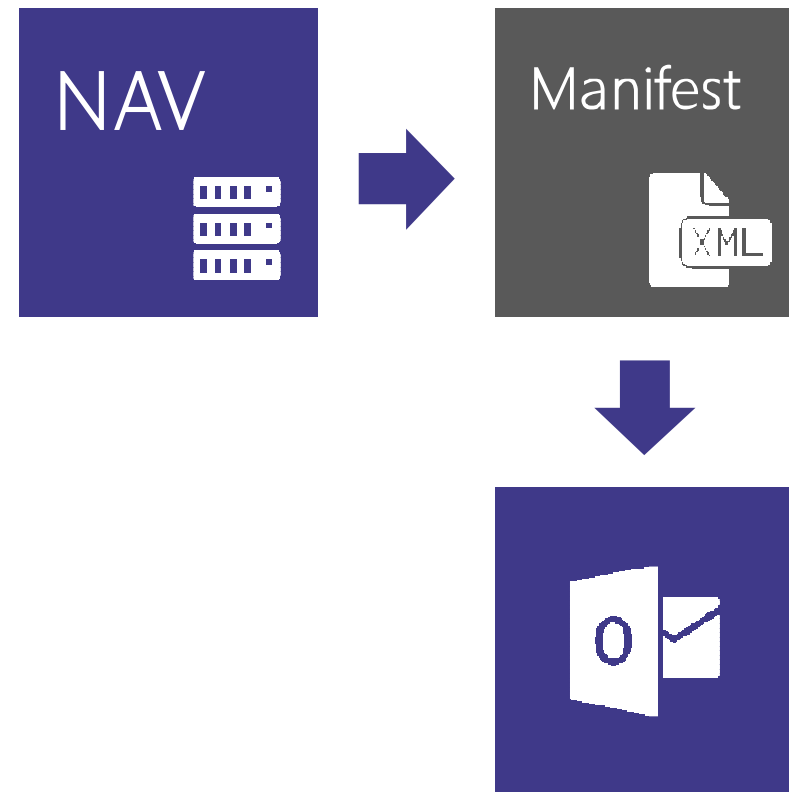
- Azure Active Directory (AAD)
- NAV Username/Password (EIM)

No new programming languages

- C/AL pages
- Manifest file (XML)

Deployment from NAV

- Office Add-In Management page



What's next

- NAV 2016: Alt+Down, Tab/Enter
- NAV 2017: F5, Ctrl+F5, Esc
- Future: List navigation, selection, operational, productivity

Personalization

- Show/hide
- Reorder
- Rename
- Importance



Learn more

<http://aka.ms/NAVGetReady>

