



# What's New in Microsoft Dynamics NAV 2018

## What's New in Microsoft Dynamics NAV 2018

Microsoft Dynamics NAV is a complete enterprise resource planning (ERP) software solution for mid-sized organizations that is fast to implement, easy to configure, and simple to use. Right from the start, simplicity has guided, and continues to guide, innovations in product design, development, implementation, and usability.

This document details new features and functionality that are available in Microsoft Dynamics NAV 2018 and have been added to the product since Microsoft Dynamics NAV 2017.

## What's New for Application Users

The **Setup and Extensions** button provides a single place for settings. This new set of options has been added for the Business Manager and Accountant Role Centers. From the list of actions, you can open setup pages, either assisted or manual, and you can open setup pages for service connections and extensions. Third-party extension providers can add their actions to the list.

In the **Manual Setup** action group, each action refers to an area, such as General, Finance, and System. The row for each setup page has keywords allowing you to both search across setup pages and to filter the list to only see setup pages within a given area.

Microsoft Dynamics N	VAV				?
START HANDLINGER					2
<	CRONUS International Ltd.				
	General			i≡ iūr 88	Q
Assisted Setup Janual Setup	Name	Description	Area 🔻	Keywords	
General	Company	 Make general company settings.	General	Company	
Finance	Countries/Regions	 Define which countries/regions you trade in.	General	Reference data, Country, Region, System	
Sales	Currencies	 Define how you trade in foreign currencies.	General	Finance, Currency, Money	
Purchasing	Languages	 Install and update languages that appear in the user inte	. General	System, User Interface, Text, Language	
Jobs	Number Series	 Manage number series for master data, documents, and	General	Finance, Number Series	
Fixed Assets	Post Codes	 Set up or update post codes.	General	Mail, System, Code	
HR	Reason Codes	 Set up reasons to assign to transactions, such as returns.	General	Reference data, Reason, Code	
Inventory	Source Codes	 Set up sources to assign to transactions for identification.	General	Reference data, Source, Code	
Service					
System					
Relationship Management					
Intercompany					
Service Connections					
Extensions					
Data Migration Overview					
https://nav72326-9irvez.navdemo.net/NA	V/WebClient/?runinframe=1#				

### **User Tasks**

The new **User Tasks** allow you to create tasks to remind you of work to be done. You can create tasks for yourself and assign tasks to others or be assigned a task by someone else in your organization.

 $\times$ 

EDIT - USER TASK Check posted sales invoices

General				Show more
Subject	Check posted sales invoice	2S		
Task Description	Take a look at the list			
Status				Show more
Assigned To		>	Start Date	
Due Date	10-20-2017 11:30		Priority	▼
% Complete		0		
Description				
Link Task To	Page	•	Resource Name	Posted Sales Invoices
Page	14	43		

If you want to bulk delete all or some user tasks, you can use the **Delete User Tasks** report. In the request page, you can set filters to determine which tasks must be deleted.

### **Employee ledger entries**

In general journal lines, there is a new account type and new balancing account type, **Employee**. Posting a general journal line with **Employee** as account type or balancing account type will generate an employee ledger entry. When posting a general journal line for an employee, the **Document** type field must be either blank or set to **Payment**.



You can also post payments against employees from payment journals. On payment journal lines, there is a new account type, **Employee**. You can use this account type to post a payment to an employee. You can apply payments to an employee ledger entry either via the Applies-to Doc. No. field on the payment journal line or by choosing the **Apply Entries** action on the employee ledger entry. You can un-apply payments from employee ledger entries. Do this by choosing the action **Un-apply Entries** on the employee ledger entry.

### Image Analyzer

The **Image Analyzer** extension uses powerful image analytics provided by the Computer Vision API for Microsoft Cognitive Services to detect attributes in the images that you add to items and contact persons, so you can easily review and assign them.

Contact persons

Recognize a person's gender, or age.

Items

Identify attributes like type and color. For example, whether it's a table or a car, or red or blue. Image Analyzer suggests attributes based tags that the Computer Vision API finds with a confidence level.

HOME	ACTIONS	NAVIG	ATE RE	PORT													
Edit	🗋 New 🗙 Delete	Attributes	Adjust Inventory	Set Special Prices	Set Special Discounts	Specia	I Prices & Discounts Overview	Sen	d Approval Request	Cancel A Requ	pproval Jest	Appro	vals	Previous	Next		
Mar	nage	Iter	m		Special Pric	es & Di	scounts		Re	quest App	oroval			Pag	e		^
EDIT -	ITEM CAR	RD									$\times$		>				
×I	f you wan contacts.	t, we can a	assign atl	tributes ba	ised on th	ie ima <u>c</u>	ges you import f	or ite	ms and e   Don't	ask aga	^ ain	^	Pio	cture ∨			
Item										Show	/ more					11	
Descr	iption	A	THENS D	esk		Ba	se Unit of Mea	. [	PCS			I		1		1	
Block	ed					lte	em Category C		TABLE								
Туре		Ir	nventory	$\sim$	·			L				ı	lte	em Attr	ibutes	5 ~	
Inver	ntory									Show	/ more			Attribut	e		
Quant	tity on Ha	nd		4 >		Ur	nit Volume	[			1.2			Colour			
Ctock	- 		afault of		7			L						Depth			
Stock	out warni	ng D	erault (Ye	es) 🗸										Width			

After you enable the extension, Image Analyzer activates each time you add an image to an item or contact person. You'll see the attributes, confidence level, and details right away, and can decide what to do with each attribute.

OME	HOME	ACTIONS								
3			<b>X</b>							
ew	View All Attributes	Hide Low Confidence Attributes	View Blacklisted Attributes							
ew	Co	nfidence Score	Blacklist					^		
仚	Image Analyzer Attributes									
Cu	Dete	ected Attribute Name			Confidence Score (%) <b>T</b>	Action to Perform	Details	Add to the Item Description		
Vei	Tab	le		•••	83.60	Use as catego	Category: 'TABLE'	Add to the ite		
Iter	Inde	oor		•••	85.04	Use as attribu	Choose item attribute	Add to the ite		
Bar	Fur	niture		•••	88.32	Ignore		Add to the ite		
Ch	Item [	Description								
	ATHE	NS Desk								
								DK Cancel		

### **Power BI reporting**

Dynamics NAV provides Business Intelligence in the place and time you need it. With the new Power BI reporting control, you can gain awareness to your Power BI reports by making them visible from within the most highly-used lists in Dynamics NAV. Not only are you able to view Power BI reports you select, but you can also interact and filter the reports by selecting records from the associated list page.

HOME ACTIONS NAVIGATE RE	ORT								I.	්ට
<	CRONUS Canada, Inc.						>			
G HOME ∨	Customer	S	+ new			Q	Power BI Re	eports 🗸		~
Sales Orders Sales Orders - Microsoft Dy	No.		Name	Responsibility Center	Location Code		The Cannon G Sales Activity b	roup PLC v Quarter		
Sales Quotes	01121212		Spotsmeyer's Furnishings		YELLOW	~				
Blanket Sales Orders	01445544		Progressive Home Furnishings		YELLOW		0.5M			
Sales Invoices	01454545		New Concepts Furniture		YELLOW	- 1				
Sales Return Orders	01905893		Candoxy Canada Inc.		YELLOW	- 1	2004			
▷ Sales Credit Memos	01905899		Elkhorn Airport		YELLOW	- 1	0.000			
ltems	01905902		London Candoxy Storage Campus		YELLOW	- 1				
Customers	10000		The Cannon Group PLC	ELKHORN	BLUE			Qar 1	Qtr 4	
Item Journals	20000		Selangorian Ltd.				Balance	Due	Credit Limit	
Sales Journals	20309920		Metatorad Malaysia Sdn Bhd		YELLOW	- 1	7.34		7006	
Cash Receipt Journals	20312912		Highlights Electronics Sdn Bhd		GREEN	- 1				
Transfer Orders	20339921		TraxTonic Sdn Bhd		YELLOW	- 1	Sell-to Cust	omer Sales H	listory	
	21233572		Somadis		YELLOW	- 1	0	0		
	21245278		Maronegoce		BLUE	- 1	0	U	4	
	21252947		ElectroMAROC		YELLOW	- 1	Ongoing Sales	Ongoing Sales	Ongoing Sales	
	27090917		Zanlan Corp.		YELLOW	- 1	Quotes	blanket Orders	Orders	
	27321782		Karoo Supermarkets		YELLOW	- 1	0	0	0	
	27489991		Durbandit Fruit Exporters		YELLOW	- 1	Opening Salar	Canalian Salar	Opportun Salar	
	30000		John Haddock Insurance Co.				Invoices	Return Orders	Credit Memos	
	31505050		Woonboulevard Kuitenbrouwer		YELLOW		C	2	1	
	31669966		Meersen Meubelen		YELLOW		D D	د	Product Parlan	
	31987987		Candoxy Nederland BV		YELLOW		Posted Sales	Posted Sales	Return	
	32124578		Nieuwe Zandpoort NV		YELLOW		areparaties	- montals	Receipter -	
	32656565		Antarcticopy		YELLOW		1			
	32789456		Lovaina Contractors		YELLOW		Docted Salar			
	33000019		Francematic		WHITE		Credit Memos			
	33002984		Parmentier Boutique			~				

If you use Azure Active Directory as your authentication method, connecting with Power BI is simple. No more manually finding and entering connection information. Just sign in with your Azure Active Directory name and password and we'll do the rest. During the sign in process, the Dynamics NAV connector will auto discover any tenants you are associated with and automatically create the connection to them. That's it!

### Updated integration with Dynamics 365 for Sales

Connect to your Dynamics 365 for Sales solution in a few easy steps. The assisted setup helps you synchronize your data across the two apps, including sales orders, item availability, units of measure, and currencies. The existing integration with the app formerly known as Dynamics CRM has been rebranded and simplified to work better out of the box.

HOME ACTIONS NAVIGATE			
Last Assisted Oriention Mapping Synchronize Modified Synch Setup Connection Mapping Synchronize Modified Synch	No Queue Support Synch. Records		~
EDIT - MICROSOFT DYNAMICS 365 FOR SALES CONNECTION SET	90		×
Microsoft Dynamics 365 for Sal	es Connection Setup		
Connection from Dynamics NAV to Dynamics 365 for	Sales		
Dynamics 365 for Sales URL	https://directions2017.crm.dynamics.com	Enabled	
User Name	synch@directions2017.onmicrosoft.com	Active scheduled synchronization jobs	0 of 10
Password	•••••		
Connection from Dynamics 365 for Sales to Dynamics	NAV		
Dynamics NAV Web Client URL	https://nav74335-0x5k33.navdemo.net:443/NAV	Dynamics NAV OData Webservice URL	https://NAV74335-0x5k33:7048/NAV/OData/Company("CRONU5%20USA%2C%20
		Dynamics NAV OData Webservice Username	
		Dynamics NAV OData Webservice Accesskey	
Dynamics 365 for Sales Settings			
Advanced Settings			

The connection setup guide now includes coupling of salespersons to users of Dynamics 365 for Sales as this is a prerequisite for any synchronization of data between Dynamics 365 for Sales and Dynamics NAV. The guide now allows you to run full synchronization when the connection has been set up. The synchronization runs in the background so that the user can continue working. From the **Dynamics 365 for Sales Connection Setup** window, you can open the **Integration Synchronization Jobs** window to check the progress of current synchronizations and to see detailed information about the number of records in Dynamics NAV and the number of records in the connected Dynamics 365 for Sales solution. When coupling records between Dynamics NAV and Dynamics 365 for Sales, the list of records is filtered using integration table filters. This allows you to see and couple only records that are eligible for synchronization. If you disable the integration with Dynamics 365 for Sales, all integration synchronization jobs are now disabled.

To streamline your marketing reporting, you can specify a salesperson/purchaser code for user accounts. When you create sales or purchase documents, the default salesperson/purchaser code is the one specified for your user account. To increase sales people's productivity in managing opportunities and to provide a more fluid experience for phone and tablet devices, you can set default chances of success in the sales cycle stages in opportunity management.

You can send a sales quote to a contact without having to create them as customers first. Filter exactly which contacts you want to export from a segment and send to a marketing agency. With contact profiling, you can create profiles for your contacts to help segment and classify contacts according to different profile attributes. You can then add these profiles, manually or automatically, by answering user-defined questions for each contact.

You can get sales orders from Dynamics 365 for Sales with write-in products transferred to Dynamics NAV. When transferring write-in products, you can map each product to a specific item or resource in Dynamics NAV.

Sales orders from Dynamics 365 Sales can be automatically converted to sales orders in Dynamics NAV without manual intervention. While transferring sales order from Dynamics 365 Sales, the **Name** field is transferred and mapped to the **External Document Number** field on the sales order in Dynamics NAV. Long product and sales order line descriptions from Dynamics 365 Sales are no longer truncated but are transferred to Dynamics NAV as additional sales order lines of type Comment. You can also transfer invoices in foreign currencies from Dynamics NAV to Dynamics 365 Sales.

Finally, the length of the connection string is extended from 250 symbols to almost unlimited and is now stored as a blob. This was made to handle strings with large parameter values, especially for OAuth. The connection string is now editable, not only for IFD and OAuth, but also for Office 365 and Active Directory.

### Synchronize vendors with Lexmark ICS for better OCR results

Take advantage of vendor synchronization when using Lexmark ICS. This will improve the vendor recognition rate in the Lexmark ICS and allow manual selection of vendors when performing visual training of new invoice layouts. Vendor information including number, name, address, VAT registration, phone, and bank account data is transferred to Lexmark ICS when synchronizing.

🔰 Lexmark					Welcome N	AV R&D Test User	Change	password	Help	Log out
	•				Track ID: 20170526-1/1		0	۶		C
		• • •								
Se	arch suppliers						8	D Testing		
- Se	arch		A				8	D Testing		
	, di chi		κ   <del>3γ</del> ε					suppliers		+
	NAME	SUPPLIER NUMBER	CITY	STREET	TAX REGISTRATION					
										•
	Fabrikam, Inc.	2AB63783-6A92-4FD8-	Atlanta	10 North Lake Avenue						
	First Up Consultants	A33842B5-0A43-447E-'	Chicago	100 Day Drive				2017		
	Graphic Design Institute	BD765C4E-45F5-451D-9	Miami	33 Hitech Drive						
	Nod Publishers	3829AA17-7979-4B82-A	Atlanta	172 Field Green				2017		
	Wide World Importers	7EFAE94C-78AC-45B7-8	Atlanta	51 Radcroft Road						
							-			
							-			
I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I     I </th <th></th>										
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4					•					

Out of the box, synchronization is not enabled. It must be enabled in the **OCR Service Setup** window as shown in the following picture:

HOME	ACTIONS	NAVIGAT	E			
Edit	Set URLs to Default	Test Connection	<ul> <li>Update OCR Doc. Template List</li> <li>Resync Master Data</li> <li>Job Queue Entry</li> </ul>			
Manage			Process			
EDIT -	- OCR SERVIO	e setup				×
00	CR Ser	vice	Setup			
Gene	eral					
User	Name		navrdtest.user		Master Data Sync Enable	Ø
Passw	vord		•••••		Master Data Last Sync	29/05/2017 13:40
Autho	orization Key	Ĉ	•••••		Enabled	
Defau	ult OCR Doc.	Templ	DNKPO		You must disable the service	before you can make changes.
Servi	ice					
Sign-	up URL		https://store.readsoftonline.d	c	Sign-in URL	https://nav.readsoftonline.com
Servio	ce URL		https://services.readsoftonlin	<b>n</b>		

When enabled, all vendors will be synchronized at once to Lexmark ICS, and from then on, any changes to a vendor or vendor bank account will trigger a synchronization of those changes.

### **Preconfigured Excel reports**

The Business Manager and Accountant Role Centers have a new option in the ribbon for Excel Templates. From the Excel Templates list, users can choose a preconfigured report that is ready to print from Excel.



### Cancel or correct job related posted invoices

In earlier versions, it has been easy to cancel a posted sales invoice, such as if you made a mistake like forgetting to specify a discount or choosing the wrong dimensions. However, it was less straightforward to cancel invoices that you created based on planning lines of the type **Billable**. If you spotted a mistake, you had to open the **Job Planning Lines** page, add lines with negative values for the lines that you wanted to cancel, and then use the **Create Sales Credit Memo** action. In Dynamics NAV 2018, we've eliminated some of the steps. Now you just choose the **Cancel** or **Correct** actions on the posted invoice and a credit memo will be created. The job planning lines will be created automatically in the background. Remember, though, that you may need to review the planning lines later if you decided to modify a corrective invoice. You are not allowed to post corrections for jobs that have the status **Blocked**.

### Posting setup improvements and missing posting notifications

You can now see a visual indication of mandatory G/L accounts that must be set to cover most of your scenarios related to specific posting setup. For example, in **Inventory Posting Setup**, you'll see the **Inventory Account** having mandatory asterisk, while in **General Posting Setup**, the **Sales** and **Purchase** accounts.

Open posting setup cards to see only accounts needed for features you've enabled. For example, if you don't have the payment discounts posting feature enabled, your payment discount G/L accounts won't clutter your view while setting up general posting.

A new smart algorithm suggests posting setup accounts on posting setup lists. Simply add combination of posting groups you want to set and click **Suggest Accounts**. The algorithm will analyze existing posting setup you already have and suggest G/L accounts from similar posting setup. You can however disagree with the suggestion and change it to fit your needs.

Better control of deleting posting setup has been added. If you have posting setup used somewhere, you can check to see if it is already being used somewhere by inspecting the **Used in Ledger Entries** field. You can also get notified while preparing a document that posting setup is missing which removes frustration at moment of posting.

### Bulk posting of orders, invoices and credit memos

Are your sales going so well that you can't process the avalanche of invoices fast enough? Is this luxury problem becoming a drain on resources? No worries, now you can process batches of orders, invoices, or credit memos in one go by choosing the documents, and then choosing **Post selected**.

	Dynamics 365 🗸	Financia	Sales Invoices						Q	٢	۲	? ?	2
номе	ACTIONS REPORT	te 11	<b>.</b> ∎										
New	Edit View Delete Post Manage	Post and Pest Send Selected	Customer Edit In Excel										^
命	SALES ~	Sales	inalize the selected do osting the amounts an ne related accounts in a clue	cuments id quanti your con	by ities to npany						1≡ 55	,c	)
Cu: Sal	stomers es Quotes				Sell-to Customer Name	Sell-to Contact	Posting Date	Due Date				Amou	nt
Sal	es Orders	✓ S-	NV102199		Coho Winery	Jim Glynn	4.4.2017.	4.5.2017.				10.731,6	60
Sal	es Invoices	S-	NV102200		Coho Winery	Jim Glynn	1.5.2017.	1.6.2017.				7.366,	70
Sal	es Credit Memos	✓ S-	NV102201		Trey Research	Helen Ray	3.4.2017.	17.4.2017.				1.970,8	80
Po	sted Sales Invoices	🗹 S-	NV102202		Litware, Inc.	Meagan Bond	5.4.2017.	30.4.2017.				2.591,2	20
Po	sted Sales Credit Memos	S-	NV102203		Litware, Inc.	Meagan Bond	13.5.2017.	31.5.2017.				6.478,0	00
		🗹 S-	NV102204		Alpine Ski House	Paul Cannon	1.5.2017.	1.6.2017.				274,	50
		S-	NV102205		Relectoud	Jesse Homer	2.4.2017.	16.4.2017.				7.025,	60

### Change global dimensions improvement

In earlier versions of Dynamics NAV, the **Change Global Dimensions** report posted one exceptionally large transaction that blocked all activities.

Now, the Change Global Dimensions report behaves as follows:

- The whole task is parallelized and executed per table in separate independent background jobs.
- Other users can work with read all data in tables that are not involved in the update of global dimensions. Note, however, that all changes to tables in the list are blocked until all of them are completely updated.
- Any failed task can be rerun from the place of failure. For example, if a failure occurs when 95% of the records are processed, the rerun task will finish the final 5%.

### Intrastat reporting improvements

You can now indicate that you're required to prepare Intrastat reports and set the default transaction types for normal sales and purchases as well as sales and purchase returns to make your Intrastat reporting faster. Whenever you enter a document that must be included in your Intrastat report, Dynamics NAV uses the default transaction type values from the Intrastat Setup window.

Use the Intrastat Checklist report and see a visual indication of which Intrastat journal lines that contain errors that you must correct before submitting the Intrastat report. You will see the exact details of the error, and you can toggle Intrastat Journal lines to show lines with errors only or all lines.

### Submission of EC Sales List with more than 9999 lines

You can now submit the EC Sales List report with more than 9999 lines. All you need to do is set a threshold on the number of lines in the VAT report configuration for the **EC Sales List** report. Set the **Maximum No. of Line**s field to 9999, and we've got you covered. When you submit such large **EC Sales List** reports, we'll generate messages and send them to the government gateway. You can see the results of the submission in the **Log Entries** window.

### Posting directly to general ledger accounts from documents

If you need to add an additional fee or service of some kind to a sales or purchase document, but the item isn't in your item catalog, you can now add it on the fly in the document and post the revenue to the correct general ledger account from the document lines.

### Enhancements for North America Electronic Funds Transfer (EFT) functionality

With Electronic Funds Transfer (EFT), you can pay vendors using electronic payments. You'll be able to modify the format that is used to create the EFT file to suit your needs. You can assign a file layout to each bank account, and then when EFT payments are processed, each EFT file uses the specified layout. The default layouts will include a PPD and CCD file layout. The existing support for EFT has been moved to the data exchange framework.

Mic	rosoft Dynan	nics N	AV										?	0
		Line Defini	tions Colu	umn Definitions										
ACTION	HOME ACTIONS	MANA	5E	MANAGE										87
Sales Quote	Import Data Exchange Ex Definition	port Data E Definitio	ichange Ei	dit New	Notes L	Uinks Pr	vevious Next							
	Import/Exp	oort		Manage	Show Attac	ched	Page							^
	EDIT - DATA EXCH	ANGE DEF	INITION											$\times$
ŵ	US EET C	CD												1
CUS	002110	00												
Vor	General												Show n	nore
Iter	Code			US EFT	CCD			×		TYPE: IMPORT				
Bar	Name			US EFT	CCD					Header Lines				0
Cha	File Type			Fixed T	ext			~		Header Tag				
	Туре			EFT Pag	yment Expo	ort		~		Footer Tag				
	FILE TYPE: VARIABL	E/FIXED												
	File Encoding			WINDO	ows			~						
	Column Separator			Comm	a			$\sim$						
	Line Definitions													
	Line Type		Code	Name				Column Cour	nt Da	sta Line Tag	Name	espace	Parent Code	
	Detail		DETAIL	Detail					12					
	Footer		FOOTER A	A Batch	Footer				12					
	Footer		FOOTER E	B File Fo	oter				8					
	Header		HEADER A	A File H	eader				14					~

### Address validation in the UK

The **GetAddress.io UK Postcodes** extension uses the getAddress API to find addresses in postcodes in the UK. To use the extension, you need to get a plan and an API Key for the *getAddress* API. That's easy, and we help you do that when you set up the **GetAddress.io UK Postcodes** extension. Plans are based on use, or what's sometimes referred to as calls. A call, in this case, is when Dynamics NAV displays a list of addresses in a postcode. Depending on how often you add addresses, choose the plan that is best for you. If you just choose **Get API Key** in the page, you'll use the **Free** plan, which lets you add 20 addresses per day, and is valid for 30 days.

### Retrieve customer, vendor and contact name and address from VAT Registration Number [UK only]

You can validate the VAT registration number of new customers, vendors, and contacts against the EC VAT VIES web service and get the name and address details from the web service response.

### Migration from QuickBooks

You can now import payroll transaction files in the QuickBooks IIF format by installing the QuickBooks Payroll File Import extension. Aggregated payroll data, including date, payroll account, description, and amount, will be imported to your G/L accounts according to mappings that you perform once per payroll account. The extension also contains a sample payroll file that you can use to try out the functionality, for example, in a demo company.

### Bulk invoicing from Bookings

For companies using the Bookings app in Office 365, we have added the ability to do bulk invoicing for bookings. The **Uninvoiced Bookings** page in Microsoft Dynamics NAV provides a list of the company's completed bookings. In this page you can quickly select the bookings you want to invoice and create draft invoices for the services provided.

ACTION	HOME	ACTIONS				
	MED.	Create Invoice for Customer	<b>1</b>			
		Mark as Invoiced	X III			
	Involce	invoice All	Excel			
Cur		Involcing	Page			^
	VIEW	- UNINVOICED BOOKINGS				× << militaria
lter Bar		Start Date		Duration	Customer	Service Name
Chi		11/18/2016 11:00 AM		 1 hour	Paul T	Tree trimming
		10/12/2016 10:00 AM		 1 hour	Coho Winery	Tree trimming
		10/13/2016 1:00 PM		 3 hours	Coho Winery	Winterize sprinkler system
		9/18/2017 8:00 AM		8 hours	Selangorian Ltd.	General Landscaping
		9/13/2017 8:00 AM		 8 hours	Selangorian Ltd.	Sprinkler System Install
		9/14/2017 8:00 AM		 6 hours	Selangorian Ltd.	Replace landscaping fabric and edging
		9/15/2017 8:00 AM		 7 hours 30 minutes	Selangorian Ltd.	General Landscaping

### Application user docs

The docs are available as part of Help Server, but they are also available online at the new Docs.microsoft.com site. The main entry page is here:

https://docs.microsoft.com/en-us/dynamics-nav-app

Use the language selector at the bottom of the page to switch to other languages. For more information, see Language and Locale.

## What's New for Developers and IT Pros

The following features and functionality for developers and IT professionals have been introduced since Microsoft Dynamics NAV 2017.

### Changes to C/AL functions, data types, properties, and triggers

For a list of changes to C/AL functions, data types, properties, and triggers in this release, see Changes in C/AL Behavior and Support in Microsoft Dynamics NAV 2018.

## Dynamics NAV Server instance and application configuration settings for default language and supported languages

The Dynamics NAV Server instance configuration includes two new settings for controlling the Dynamics NAV client language:

### • Default Language

Specifies which of the installed Dynamics NAV languages on the server instance will be used as the default language in the clients. For example, in the Dynamics NAV Web client, the **Default Language** setting determines the language that is used if the web browser's language setting does not match any installed language or a language in the **Supported Languages** setting. You set the value to a valid language culture name, such en-US or da-DK.

• Supported Languages

Specifies which of the installed Dynamics NAV languages on the server instance will be available for use in the clients. If you do not specify a language, then all installed languages will be available. In the client, users can switch among the supported languages.

The setting's value is a semicolon-separated list that contains the language culture names for each language. For example, if you want client users to be able to choose among da-DK, en-US, and en-CA, set the value to da-DK;en-US;en-CA.

The **Default Language** and **Supported Languages** settings can be applied globally for the Dynamics NAV Server instance or on an application basis application bases, for which the application-specific configuration setting will override the server instance settings.

For the Dynamics NAV Server instance, you can change these settings by using the Dynamics NAV Administration Tool, the **Set-NAVServerConfiguration** cmdlet in the Dynamics NAV Administration Shell, or by modifying the server instance configuration file (CustomSettings.config).

For the application-specific configuration, you can use the **Set-NAVServerApplicationConfiguration** cmdlet in the Dynamics NAV Administration Shell, or by modifying the application-specific configuration file.

For more information, see https://docs.microsoft.com/en-us/dynamics-nav/dynamics-nav-server-configuration-changes.

### Change server settings without restarting the server

Some configuration changes to the Dynamics NAV Server can be done without a server restart. Use the Windows PowerShell cmdlet **Set-NAVServerConfiguration**. The scope for the SET operation can be one of the following:

- Memory
- ConfigurationFile
- All

The default scope is ConfigurationFile if nothing is specified.

### Delayed delete of company data

Using the new Dynamics NAV Server instance configuration setting **Enable Incremental Company Deletion**, it is now possible to delay deletion of company data until a time when the server has resources to do this task. For the user, deleting a company will then appear as an instant operation.

After a company has been deleted by the user, it is no longer visible from C/AL. The server uses a system task in the task scheduler to perform the actual deletion of data.

It is possible to configure an interval of the day when the server is allowed to execute system tasks. The configuration settings to do this are called **System Task Start Time** and **System Task End Time**.

### Profile display name shown on the Role Center is now based on the Role Center Page object's CaptionML

The **Profile** display name that is shown on the Role Center is now based on the CaptionML property of the Role Center page object instead of the **Description** field in the **Profiles** table. This reduces the dependency on data and fixes, which makes it more reliable to display the Role Center name in the correct language.

### Change the display name for a company

System table 200000006 **Company** includes a text data type field that has the name **Display Name**. This field specifies the text that displays for the company in the user interface of the client, such as on the top of the Role Center and list place pages. If the **Display Name** field is not specified, then the value of the **Name** field is used as the display name. This field does not apply to the Dynamics NAV Windows client.

Changing the company display name now has immediate effect on reports as well as displaying the company name in the UI of the client. A new C/AL function COMPANYPROPERTY.DISPLAYNAME has been added. The function returns a Text value for the company display name. Report datasets have been made backward compatible - layouts will not have to be re-done (the datasets now bind the CompanyName datafield to the new function instead of the previous CompanyName function). All reports have been updated to use the company display name instead of company name.

### New MediaSet data type functions

The following C/AL functions have been added to the MediaSet data type for managing media on records:

- INSERT function
   Adds a media object that already exists in the database to a media set of a record. For more information, see <a href="https://docs.microsoft.com/en-us/dynamics-nav/insert-function--mediaset-">https://docs.microsoft.com/en-us/dynamics-nav/insert-function--mediaset-</a>.
- REMOVE function Removes a media object from a media set on a record. For more information, see https://docs.microsoft.com/enus/dynamics-nav/remove-function--mediaset-.
- ITEM function Gets the unique identifier of a media object in a media set based on the media object's index number. For more information, see https://docs.microsoft.com/en-us/dynamics-nav/item-function--mediaset-.

### SessionSettings data type

The SessionSettings data type enables you to get, set, and send the user personalization settings for the current client session. The data type supports the following new functions:

- COMPANY
  - Gets or sets the company in a SessionSettings object.
- INIT

Creates an instance of a SessionsSettings object that is populated with the current client user's personalization properties (such as Profile ID and Company) that are stored in the database.

- LANGUAGEID
- Gets or sets the language ID.
- LOCALEID Gets or sets the locale ID.
- PROFILEAPPID
  - Gets or sets the ID of an extension that provides a profile.
- PROFILEID
  - Gets or sets the profile ID.
- PROFILESYSTEMSCOPE
  - Gets or sets the profile scope which defines whether the profile is a sytem or tenant profile.
- REQUESTSESSIONUPDATE

Passes a SessionSettings object to the client to request a new session that uses the user personalization properties that are set in the object.

• TIMEZONE Gets or sets the time zone.

### ObsoleteState and ObsoleteReason properties on tables, fields, and keys

Table object, table fields, and table keys include the ObsoleteState and ObsoleteReason properties that are used to communicate to developers when a table, field, or key is or will become obsolete (deprecated), enabling them to adjust their application code accordingly.

The ObsoleteState property has three values: No, Pending, and Obsolete. No is the normal or default value. Pending indicates that the element will be obsolete in the future. This setting has no effect on the current use of the table, field, or key in code. Removed indicates that the element is marked as obsolete in the database. However, the element is not removed from the database, but references to the the element in code are only allowed in upgrade codeunits. The ObsoleteReason property is an informational, free-text field for describing why the ObsoleteState has been set to Pending or Obsolete and preferably with guidance about fields or tables that have replaced it.

### Tenant management codeunit

Codeunit 417 Tenant Managment exposes several tenant settings to the C/AL developer through the following global functions:

- GetTenantId
  - Gets the ID that is assigned to the tenant.
- GetAadTenantld Gets the GUID of the tenant in Azure Active Directory for the Dynamics NAV application.
- GetTenantDisplayName
  - Gets the display name of the tenant.
- IsSandbox Returns true if the tenant is tagged for the Sandbox environment.

### Consolidation of country- or region-specific functionality to W1

Many country- or region-specific features have been replaced by W1 functionality or moved to W1:

- UK deprecated features:
  - o System Calendars
  - o Accounting Periods
  - o Creation and export of BACS file
  - o Specify Supply Type on documents
- UK deprecated local reports:
  - o Shipped Non-Invoiced Stock
  - o Received Non-Invoiced
  - o Unposted Sales
  - o Unposted Purchases
  - Print Non-Invoiced Stock Report (same functionality provided through Shipped, Non-Invoiced Sales Orders view and Received, Not Invoiced Purchase Order view in W1)
- UK local reports moved to W1:
  - o Day Book VAT Entry
  - o Day Book Customer Ledger Entry
  - o Day Book Vendor Ledger Entry

### Personalization in the Web Client

Personalize your workspace directly in the browser! Personalization is now enabled by default for all. To get started, find the Personalize menu item under your sign-in avatar in the upper right corner. As you make changes, they are immediately saved and only seen by you, even if you sign into the browser or app from another device. We've added the top requested features, including:

- Move, hide, or show a field on the page.
- Move, hide, or show a column on the page.
- Freeze columns to keep them visible while you scroll, just like in Microsoft Excel!
- Move or hide Cues.
- Move or hide parts, such as Factboxes or Role Center parts.
- Clear personalization from a page and start fresh.
- For IT administrators, we've also added the ability to deny personalization to groups of users from the Profile page, or clear personalization from all pages or a specific page for a user.
   Read more about personalization here.

#### Report preview in the Web Client

Until now, previewing a report in the Dynamics NAV Web client was only possible in Internet Explorer, but is now possible on all supported browsers.

You can preview a report directly in the client by choosing the Preview button on report request pages. This displays the report by using the new PDF Viewer control, which enables you to use your keyboard and mouse to navigate the report and download it to your computer.

The report preview in the Web client has been refurbished with a new design and additional features. It works with all supported browsers. You preview a report by choosing **Preview** on the report options page. A toolbar provides several features for working with the report, such as zooming in and out, downloading to file, and more.



Two new features include selecting text and panning:

• Select text

This feature lets you select one or more words, paragraphs, or rows in the report, and then copy and paste it somewhere else, like a page in Financials or a Microsoft Word document.

• Pan the document

This feature lets you move the visible area of the report in any direction, so you can view other areas. This is helpful when you have zoomed in to see details.

### ASP.NET Core

The Dynamics NAV Web server components now run on ASP.NET Core, the latest runtime technology from Microsoft. ASP.NET Core keeps Dynamics NAV on the latest and greatest technology to reach new heights in cloud scalability. The new web server components continue to power the Dynamics NAV Web client, Phone client, Tablet client, Outlook add-ins, and SharePoint apps. There is no change in functionality, behavior, or performance for users.

Administrators may experience differences in Dynamics NAV Administration Shell cmdlets. Instead of working with the web.config configuration file that powers most settings for a web server instance, you now use the navsettings.json file.

### **OData Version 4**

With Dynamics NAV 2018, we add support for OData web services based on OData V4.

You can create bound actions on your OData V4 entities. Examples of these actions include creating an invoice from a quote and posting an invoice. To create these actions, you will create a new function and decorate it with properties that will expose the action on the OData V4 service and return results.

OData Relational Query Support provides the ability to include related entities inline within a single OData V4 response. For example: including sales invoice line information inline within the sales invoice header record's response.

### Windows PowerShell cmdlet changes

There are several new and modified cmdlets in the Dynamics NAV Administration and Development Shells. For a full list of the changes, see <a href="https://docs.microsoft.com/en-us/dynamics-nav/changes-to-microsoft-dynamics-nav-cmdlets-from-previous-release">https://docs.microsoft.com/en-us/dynamics-nav/changes-to-microsoft-dynamics-nav-cmdlets-from-previous-release</a>.

### **API library**

We have created an extensive application programming interface (API) library allowing third-party developers to create connected apps on the Dynamics NAV platform. The REST API layer is a set of standards-based web services providing an interface for building reusable integrations. The Dynamics NAV 2018 API includes 44 entities, providing access to business entities related to core financial functionality, such as company information, journal entry, customer and vendor management, sales and purchasing documents, and financial reporting.

The API provides a simplified representation of the underlying data structure, allowing developers to create apps without the need of a deep understanding of the Dynamics NAV data model and business logic. The aim is to enable developers to code against a static, highly-structured API, and make app changes on their own schedule. Microsoft is committed to add to the API and not break it from version to version. If a developer wants to change the API, we recommend that they copy the API pages and customize the copy. They might also want to publish to a different API endpoint in that case to avoid conflicts with the Microsoft API.

With this release, we have added the option to the Dynamics NAV Administration console to enable and disable the API endpoint. By default, the API endpoint is disabled. This enables administrators to explicitly choose to expose the new endpoints, rather than having them automatically exposed after an upgrade.

We have created standardized exceptions that are returned from the API platform, making it easier for developers to code around these exceptions

### API page type

We have added a new page type, so you can design web service API endpoints.

### Universal App on more devices

You can now run Dynamics NAV on more devices than ever!

With the latest universal app update for Windows, we've opened for running on holographic devices, such as Microsoft HoloLens, and also team collaboration devices such as Microsoft Surface Hub.

### Windows 10 Continuum

Turn your phone into a desktop computer!

We've added support for Continuum, a Windows 10 feature that allows you to project your phone to your big screen and interact with keyboard and mouse through Bluetooth.

Connect your Windows 10 Mobile device to a desktop screen and watch the Dynamics NAV Universal App automatically switch to the desktop experience: As an alternative to the Web client, use Continuum to work on larger screens with keyboard and mouse.

### Developer and ITPro Docs

We have moved the docs to the new Docs.microsoft.com site, which offers a far better experience than our temporary location on MSDN.

The main entry page is here:

https://docs.microsoft.com/en-us/dynamics-nav

The Windows PowerShell cmdlet docs now publish to the same site as all other PowerShell modules here:

https://docs.microsoft.com/powershell/module/Microsoft.Dynamics.Nav.Management

https://docs.microsoft.com/powershell/module/Microsoft.Dynamics.Nav.Model.Tools

https://docs.microsoft.com/powershell/module/Microsoft.Dynamics.Nav.Apps.Management

https://docs.microsoft.com/powershell/module/Microsoft.Dynamics.Nav.Apps.Tools



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