Microsoft Dynamics Navision Server Instance Setup and Configuration

Last Modified on 04/09/2021 10:37 am EDT

Navision Server Instance Setup

To expose your web services, you need to set up an instance on the Microsoft server.

1. Launch Dynamics NAV Administration.

a Microsoft Dynamics NAV Server - [Console Root]						
File Action View Window Help						
Console Root	Name	Actions				
> Microsoft Dynamics NAV (Loca	Microsoft Dynamics NAV (Local)	Console Root	*			
		More Actions	•			
	II	1				

You will see the server name that you entered when you set Navision up on your system. Note: Only Navision versions 2013, 2015, 2016, 2017, and 2018 are supported by the connector.

2. Click on the server name. **More options** are available on the panel to your right. Click **Add Instance** from the dialog box that appears as shown below.

Actions				
Microsoft Dynamics NAV (Local)				
2	Connect to Another Computer			
пÎ	Add Instance			
2	Windows PowerShell History			
	View 🕨			
	New Window from Here			
Q	Refresh			
	Export List			
?	Help			

3. On the console that appears, expand all options one by one and configure the ports according to your needs. Make sure you Enable Client Services and OData Services. *(In our example, the server name is DynamicsNAV100.)*

Console Root					Actions	
Wierosoft Dynamics NAV (Loca DynamicsNAV100	DynamicsNAV100 - (Running)				DynamicsNAV100	-
	General			^ ^	Configuration	
	Build Restriction:	WarnClient ~	Max Concurrent Calls:	1000	Service Account	
	Certificate Thumbprint:	BB923A421D6FBB3	Max Data Rows Allowed to Send to Excel:	MaxValue	Database Credentials	
	Compile and Load Business Application:		Metadata Provider Cache Size:	150	Windows PowerShell History	
	Credential Type:	NavUserPassw v	Multitenant:		View	•
	Data Cache Size:	9	Network Protocol:	Default	New Window from Here	
	Debugging Allowed:	2	Send Feedback:		👔 Help	
	Default Client:	Windows	Services Default Company:			
	Diagnostics Trace Level:	Normal ~	Services Default Time Zone:	UTC		
	Enable Certificate Validation:	\square	Services Language:	en-US		
	Enable Debugging:		Services Ontion Text Source	Ontion Cantion		
	Enable Event Logging to Windows Application Log:		Service Service Table Retain Period	3		
	Enable File Access by C/AL Functions:		III Elemente Perrovali	LiconsoFileAnd		
	Enable Full C/AL Function Tracing:		Use NTLM Authentiation	Licenser neAnd V		
	Encryption Provider:	LocalKeyFile ~	Use NTEW Authentication:			
	Database			¥		
	Client Services			7046 🗸		
	SOAP Services			7047 🗸		
	OData Services			7048 🗸		
	NAS Services			~		
	Management Services			7045 🗸		
	Azure Key Vault Encryption Provider			*		
	Azure Active Directory (Azure AD)			*		
	Task Scheduler			~		
	Reports			¥		
				×		

You have now successfully created an instance on the local server.

Navision Connector Configuration

Note: Only Navision 2013, 2015, 2016, 2017, 2018 versions are supported by the element.

To configure web services on Dynamics Navision:

1. On the Navigation panel to the left, there is a list of all the ERP functionalities offered by Dynamics Navision, as shown below.

 Purchasing Warehouse 	Object Type	Object ID Object Name	Service Name	▲ All Pι Ten	blished	OData V4 URL
Manufacturing	Page	7 Customer Price Groups	Customer Price Groups	\checkmark	\checkmark	http://Navision:7048/DynamicsNAV100/ODataV4/Com
Jobs Resource Planning Service	Page	30 Item Card	Item Card	\checkmark	\checkmark	http://Navision:7048/DynamicsNAV100/ODataV4/Com
	Page	9 Languages	languages	\checkmark	\checkmark	http://Navision:7048/DynamicsNAV100/ODataV4/Com
	Page	15 Location List	Location List	\checkmark	\checkmark	http://Navision:7048/DynamicsNAV100/ODataV4/Com
Administration	Page	25 Customer Ledger Entries	O2C_Cust_Trans			
▲ IT Administration	Page	9305 Sales Orders	O2C_Order List			
Data Deletion	Page	143 Posted Sales Invoices	O2C_Sale Invoice			
Contact Creation	Page	42 Sales Order	O2C_SalesOrder			
General	Page	5130 Opportunity Entries	Oppurtunity Entries			
Reports	Page	5123 Opportunity List	Oppurtunity List			
Services	Page	143 Posted Sales Invoices	Posted Sales Invoices	\checkmark	\checkmark	http://Navision:7048/DynamicsNAV100/ODataV4/Com
Application Setup Application Tools	Page	197 Account Schedule KPI Web Servi	ice powerbifinance			
	Page	9308 Purchase Invoices	Purchase Invoices			
	Page	50 Purchase Order	Purchase Order	\checkmark		http://Navision:7048/DynamicsNAV100/ODataV4/Com
	Page	50 Purchase Order	Purchase Orders			
	Page	43 Sales Invoice	Sales Invoice	\checkmark		http://Navision:7048/DynamicsNAV100/ODataV4/Com
	Page	253 Sales Journal	Sales Journal			
	Page	42 Sales Order	Sales Order	\checkmark		http://Navision:7048/DynamicsNAV100/ODataV4/Com
Home	Page	48 Sales Orders	Sales Orders	\checkmark	\square	http://Navision:7048/DynamicsNAV100/ODataV4/Com
G Finance	Page	9093 Vendor Defails	Vendor Details			
- mance	Page	27 Vendor List	Vendor List	\checkmark		http://Navision:7048/DynamicsNAV100/ODataV4/Com
Sales	Query	103 Item Sales and Profit	ItemSalesAndProfit			
Purchasing Approvals	Query	102 Item Sales by Customer	ltemSalesByCustomer			
	Query	105 Sales Opportunities	O2C_SalesOpportunities	\checkmark		http://Navision:7048/DynamicsNAV100/ODataV4/Com
	Query	104 Sales Orders by Sales Person	O2C_SalesOrdersBySalesPerson			
Advanced Finance	Query	101 Sales Dashboard	Sales Dashboard			
Self-Service	Query	105 Sales Opportunities	Sales Opportunities			
	Query	101 Sales Dashboard	SalesDashboard			http://Navision:7048/DynamicsNAV100/ODataV4/Com
Departments	Query	100 Top Customer Overview	TopCustomerOverview	\checkmark	\checkmark	http://Navision:7048/DynamicsNAV100/ODataV4/Com

Click on the **Departments** functionality.

- 2. Navigate from Departments to Administration > IT Administration > Services > Web Services.
- 3. On this page, you can see a list of the thousands of web APIs Dynamics Navision exposes for their clients to use.
- 4. The table consists of various columns, of which the Object Type, Object ID, Object Name, Service Name,

Published and OData V4 URL columns are the most important ones.

- Object Type can be Query, Page, or Codeunit, but is set to Page by default.
- $\circ~~\mbox{Object ID}$ is the ID unique to all the web services that are listed.
- Object Name is the name by which Navision recognizes the service as an entity.
- Service Name is the name by which the administrator wants to expose the web service.
- Published column contains check boxes that allows user to expose the web services.
- **OData V4 URL** is the vendor URL for the particular web service with its service name included at the end of the URL.
- 5. After providing the service name with which you would like to expose the web services, check the box in the **Published** column and your web services are now available for access.