

Configuring Jet Express for Microsoft Dynamics NAV 2013

Overview

With the release of Jet Express 2012 R2, Jet Reports introduces the ability to report from a Microsoft Dynamics NAV 2013 database. Web Services are used to communicate with Dynamics NAV 2013, rather than C/front which was used with prior versions of NAV. This document describes the process for configuring Jet Express for Microsoft Dynamics NAV 2013.

There are two parts to the installation process.

1. *Installing and publishing the Jet business objects on the Microsoft Dynamics Server.*

This step needs to be completed just once for a Dynamics NAV database.

This section is shaded in blue.

2. *Configuring client machines*

This step needs to be completed on each client machine that will use Jet Express.

This document also addresses

3. *Troubleshooting*

4. *Uninstalling Jet Essentials or Jet Express*

Before you begin

If Jet Express has not been installed on your instance of Microsoft Dynamics NAV 2013 then you will need access and permissions to the **Microsoft Dynamics NAV Development Environment** and the **Microsoft Dynamics NAV Server Administration Tool**.

If you are adding Jet Express to a client machine in an environment where Jet Express is already running you can skip to step 2.

1. Installing and Publishing the Jet Business Objects on the Microsoft Dynamics Server

This step only needs to be done once on a NAV database.

Installing the Business Objects

As of this writing a set of business objects must be imported into the Dynamics NAV 2013 Server to enable communication with Jet Express. These objects should only be used with NAV 2013.

A file containing these objects (**Jet Reports Objects.fob**) is available at <http://jetexpress.jetreports.com/>

To install the .fob file open the **Microsoft Dynamics NAV Development Environment** and then connect to the database.

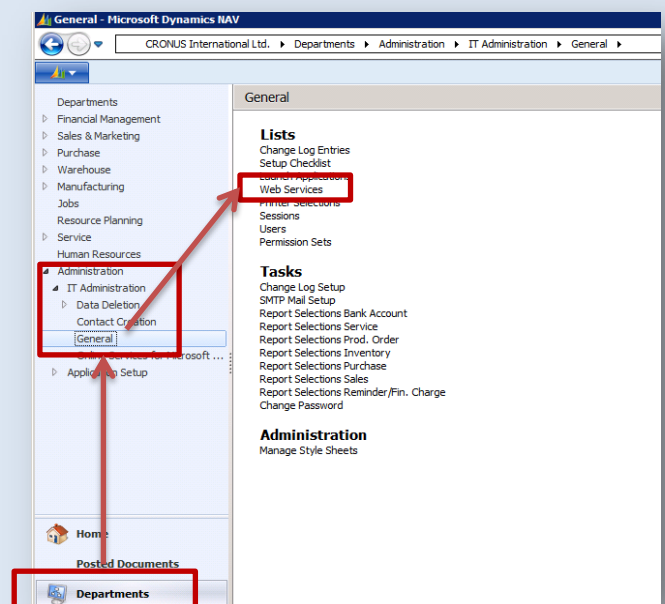
- Open the Object Designer (on the **Tools** menu, choose **Object Designer**)
- Import the .fob file (on the **File** menu, choose **Import**)
- Locate the import file (**Jet Reports Objects.fob**), and then choose **Open**.
- The .fob file includes modified objects. When prompted choose **Yes** to import all objects.
- Verify that no objects are to be skipped. Objects are skipped if the version of the object in the database is later than the one in the .fob file.
- Choose the **OK** button to import the .fob file.

The .fob file installs a set of business objects in the 14125500-509 range.

Publishing the Jet Data Source Codeunit to the Web Service

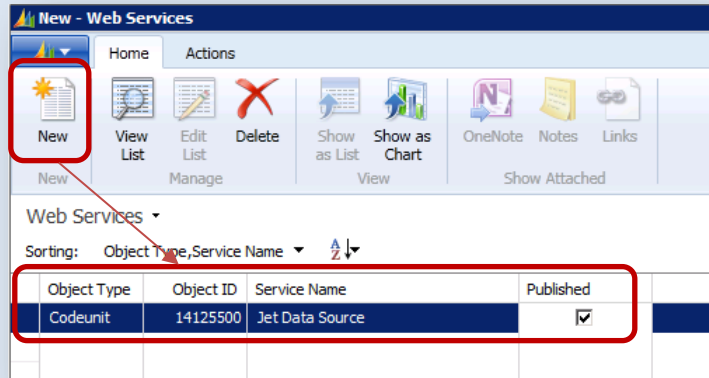
Microsoft Dynamics NAV 2013 includes a "Jet Data Source" codeunit which must be published to enable Jet Essentials or Jet Express to operate. This can be published using the Microsoft Dynamics NAV Role Tailored Client (RTC).

To publish this code unit, inside the RTC go to
Departments > Administration > IT Administration > General and select **Web Services**.



Publish the Jet Data Source code unit by selecting **New** from the Web services ribbon

Object Type: **Codeunit**
Object ID: **14125500**
Service Name: **Jet Data Source**
And **check the box** to publish.
Click **OK**

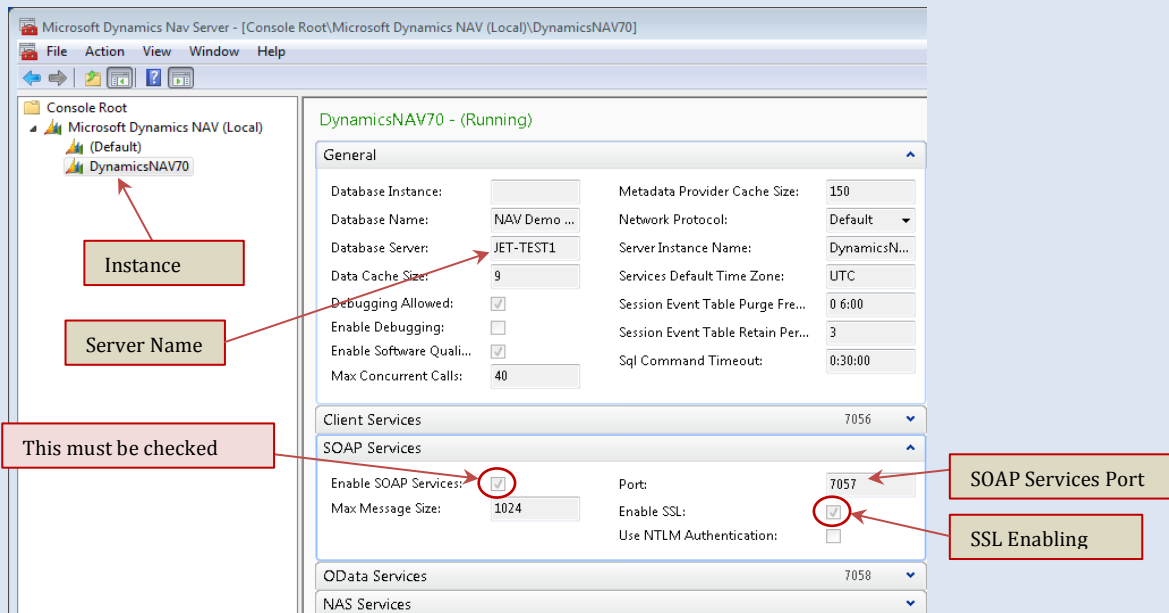


Enable SOAP Services and identify connection parameters

Jet Express calls Web Services (SOAP) when running reports or accessing information from Microsoft Dynamics NAV 2013. Using the **Microsoft Dynamics NAV Server Administration Tool** select the instance that you want to use and check the box next to **Enable SOAP Services**.

If Jet Express will be used outside a secure network then SSL should be enabled for the SOAP Services to help provide security and data integrity for data communications. Please refer to Microsoft instructions regarding how to configure this. This topic may be helpful

[http://msdn.microsoft.com/en-us/library/ee414240\(v=nav.70\).aspx](http://msdn.microsoft.com/en-us/library/ee414240(v=nav.70).aspx)



From the **Microsoft Dynamics NAV Server Administration Tool** record the

- Server Name
- Instance
- SOAP Services Port
- Whether SSL is enabled for SOAP Services

This information is required for configuring your data source connection in Jet Express on client machines.

2. Configuring the Data Source on Client Machines

Identify Server, Instance and Ports

You will need to know the Server Name, Instance, SOAP Services Port and whether SSL is enabled for SOAP Services to configure a data source connection in Jet Express. The prior step describes how to confirm these details.

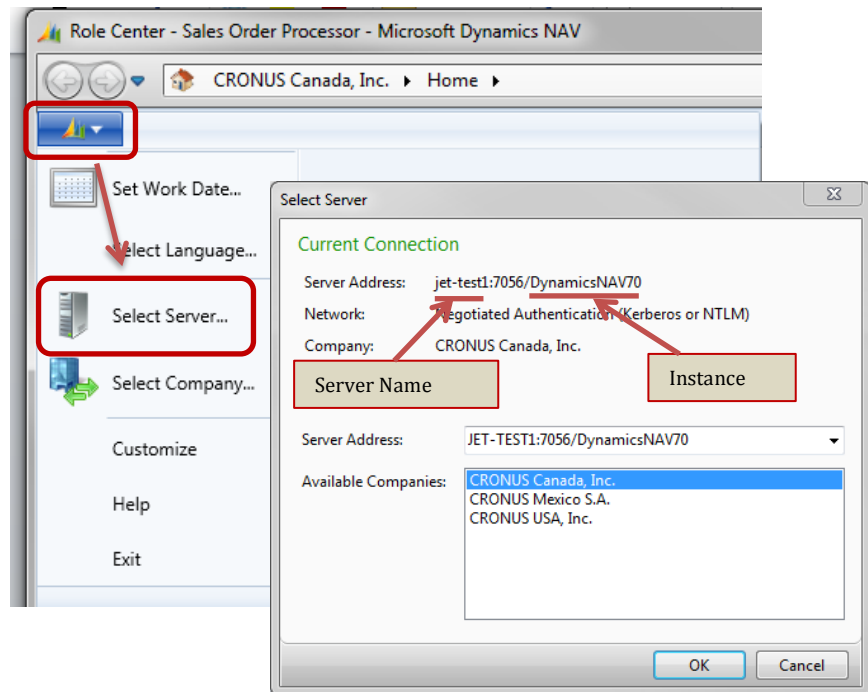
If you don't have access to this information or the Microsoft Dynamics NAV Server Administration tool you may be able to determine this in alternate manner:

- The **SOAP Services Port** default is **7047**

- A **Server Name** and **Instance** can be determined from the RTC by selecting the **Dynamics logo** and then **Select Server...** as shown to the right.

*Please note- your NAV installation may include more than one NAV Instance and the NAV instance shown in the RTC may not be the optimal one for you to use. **Please contact your database administrator to confirm.***

- **SSL enablement** varies by installation



Installing Jet Express

Jet Express is an Excel add-in which must be installed each client machine. The client machines must have Excel installed.

Download the current version of Jet Express from <http://jetexpress.jetreports.com/>

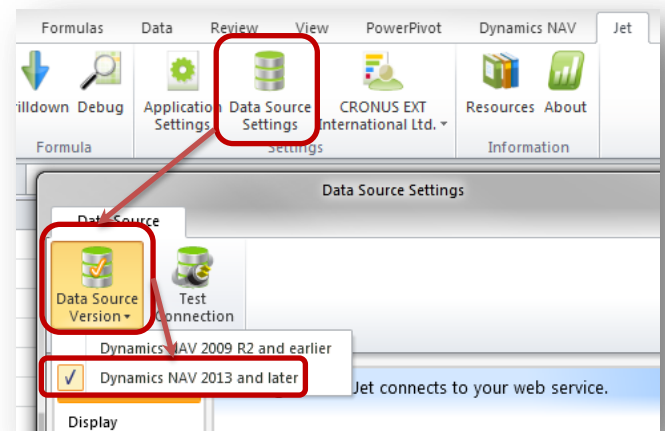
- Download the version of the product that matches your version of Microsoft Office (either 32-bit or 64-bit).
 - Microsoft Office 2007 is 32-bit.
 - If you are using Microsoft Office 2010 you can determine this by selecting the **File** button in your Excel ribbon and then selecting either **Help** or **Account**, depending on your version of Excel. If you attempt to install the wrong version you will receive an error message and the application will not install.
- **Run** the .exe file.
- If you receive a message asking "Do you want to allow the following product to make changes on this computer?" select **Yes**.

*Note - You **cannot** run both Jet Express and Jet Essentials on the same computer.*

Configuring a Data Source in Jet Express

Select **Data Source Settings** from the Jet Ribbon

Use the **Data Source Version** drop down button and select "**Dynamics NAV 2013 and later**".



Select the **Web Service** Tab

Enter the **Server**, **SOAP Services Port** and **Instance**.

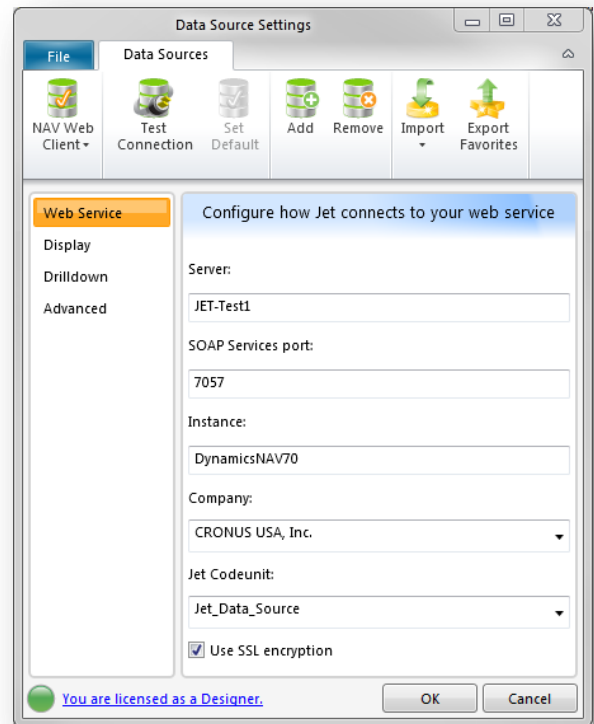
If your Web Service is configured to use SSL encryption then **check** the "Use SSL encryption" box.

Pick the **Jet_Data_Source** codeunit.

Pick your default **Company**.

Click **Test Connection** to ensure connectivity.

Click **OK**.



Specify your NAV database language

You can specify the language in which Jet Express will display database captions including tables, fields and option values.

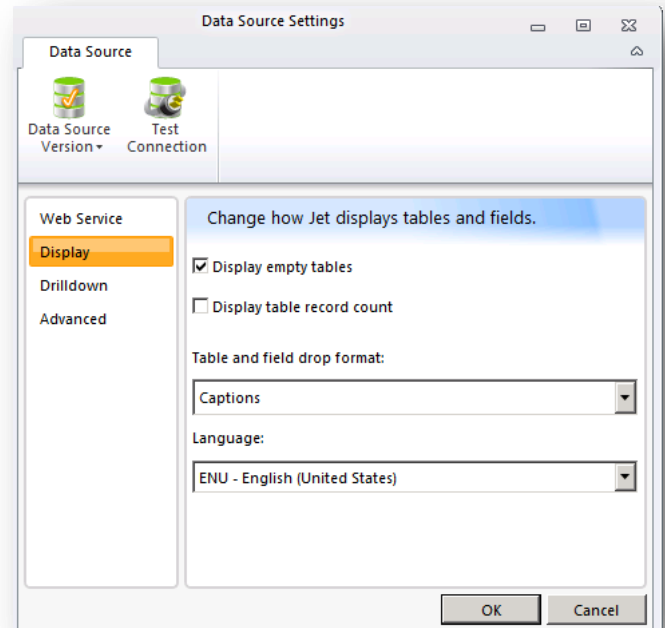
Select **Data Source Settings** from the Jet Ribbon

Select the **Display** Tab.

Pick the **language** code which matches your RTC view.

*(Your RTC language can be determined from the RTC by selecting the **Dynamics logo** and then **Select Language...**)*

Click **OK**



Specify your Jet Interface Language

You can specify the language of your Jet Express interface.

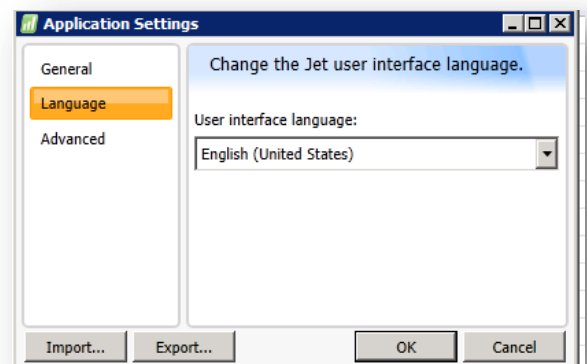
Select **Application Settings** from the Jet Ribbon

Select the **Language** tab

Pick the **user interface language** that you wish to use.

Click **OK**

You will need to restart Excel for the user interface language change to take effect.



3. Troubleshooting

Please note – some NAV Partner licenses created before 10/6/2012 did not include the required permissions to execute the required codeunits. If you encounter an error stating “**You do not have the following permissions on CodeUnit JetData Source...**” please download a fresh copy of your NAV 2013 license from VOICE.

4. Uninstalling Jet Express

If you need to uninstall Jet Express from a client machine-

- From the **Start Menu** select **Programs and Features** find the Jet Express application, **right-click** and select **Uninstall**.

If you need to uninstall the Jet components from the Microsoft Dynamics NAV 2013 Server-

- Open the **Microsoft Dynamics NAV Development Environment** and then connect to the database
- Open the Object Designer (on the **Tools** menu, choose **Object Designer**)
- Select **All** to see all business objects.
- Select all the business objects in the **14125500-509** range, **right-click** and select **Delete**. When asked if you want to delete the selected lines click **Yes**.