

### Vetverslunin Direct.is

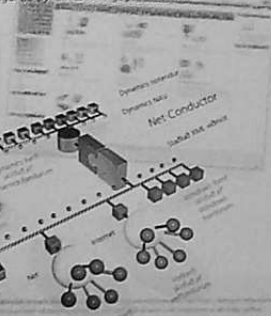
Direct er vetverslun með fjölbreytt vörurval af fiski- og bakjónu með áherslu á gætt þjónu. Direct er að styrta leið milli framleiðenda og kaupenda með fæm milliðum auk þess að tryggja við umgjöf og þingfærild sem takar sig í langra stírnanna. Til þess að halda einni kassanum er markmiðið hjá Direct að sem flestir viðskiptafarar séu í einni kassanum.

### Viðskipta- og vetverslunarskipti Dás

Skjalmenningin er ein helstu verkfæri til að tryggja samþættingu og samþættingu milli skjalmenninga. Þetta er ein helstu verkfæri til að tryggja samþættingu og samþættingu milli skjalmenninga. Þetta er ein helstu verkfæri til að tryggja samþættingu og samþættingu milli skjalmenninga.

### NET-Conductor í hnotskurn

- Ný leið til að tengjast Dynamics NAV
- Stöðugt leið til samskipta við Dynamics NAV byggð á XML vefþjónustum
- Aðgangur að ferlum og virkni sem þegar er til staðar í Dynamics NAV
- Auðveld leið til bygga ofan á fyrirliggjandi Dynamics NAV kerfi með nýjustu tækni í hugbúnaðargæði
- Einföld leið til að tengja Dynamics NAV við aðrar tæknir í flöru Microsoft-eyra sem Sharepoint Server
- Aðgangur að Dynamics NAV gegnum vefþjónu

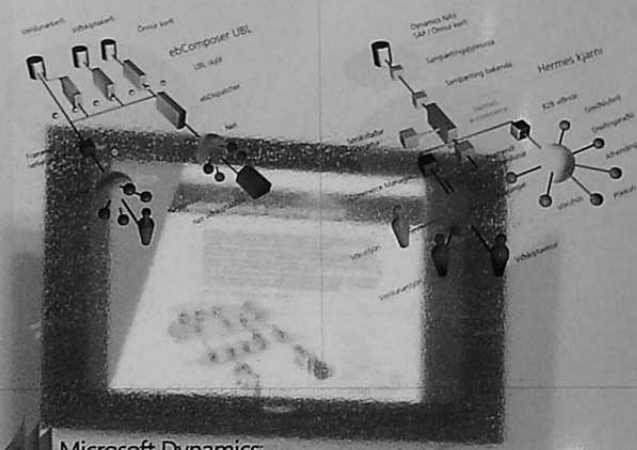


### ebComposer UBL í hnotskurn

- Samskipti með rafræn viðskiptaskjal samkvæmt viðurkenndum staði
- Úttæsla á hinum nýja UBL staði sem mun koma í stað EDI
- Leið fyrir viðskiptakerfi til að skiptast á stöðluðum rafrænum skjölum eins og póntunum eða reikningum
- Kerfisringar sem auðvelt er að innleiða inn í fyrirliggjandi umhverfi
- Mun styrkt þróunartími en reikna mætti með
- Fullkominn stuðningur við staðalinn UBL 2.0 og NES

### Hermes í hnotskurn

- Aðrir vefþjónustur með miklum sveigjanleikum og samþættingu
- Viðtakari til að samskiptingar bæði við innviðskiptakerfi og samstarfsaðila
- Eðlileg kerfi og eiginleikar sem tryggja áreiðanlegu samskiptunum
- Byggt á hlustum grunni og viðurkenndri tækni
- Auðveld vöru- og verslunartjón með sérstök stjórnkerfi
- Hönnun mátt að því að gera sem flesta viðskiptafarar sjá hvernig með því að tengjast bein viðskiptakerfum sem fyrir eru



Microsoft Dynamics

### Microsoft Dynamics NAV í hnotskurn

- Aðhliða viðskiptahugbúnaður fyrir allar gerðir fyrirtækja
- Notendur eru á heimavelli þar sem vörutö er eins og í öðrum Microsoft hugbúnaði og hægt að aðlaga að þörfum hvers og eins
- Auðveld samþætting við önnur kerfi í fyrirliggjandi umhverfi
- Notendur ná árangri með samverkandi viðskiptaförum
- Akvarðanataka er auðveldu með góðu aðgengi að öllum upplýsingum
- Rue de Net sérhæfir sig í ráðgjafabólögum og innleiðingum á Dynamics NAV



Microsoft Dynamics NAV er átt Microsoft Business Solutions, Revision Edition og þar áður Revision

# NETConductor

NAS Guideline

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Documentation:

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Read over and overhaul headings and text

19/05/2009 Richard Ottó O’Brien  
Created document

# NETConductor – NAS Guideline

This document explains how to setup the Microsoft Dynamics NAV Application Server (NAS). This Guideline is aimed at NASs that are meant to run the NETConductor DataTier. The NAS can be difficult to configure if you don't know exactly what it is that triggers the selection of its language. This is why this guideline also explains how to configure the NAS in such a way that it will run in different international languages.

This Guideline assumes that you are familiar with the NAS and how to configure it when it comes to the database to connect to, company to open and its startup parameter. In addition we are expecting the reader to know about configuring the NETConductor DataTier, as that will be the role of the NAS we are using in the following examples.

## Why use a NAV Application server (NAS)?

When running the NETConductor in a Navision client it will stop running upon every ERROR or CONFIRM that is being made by code that is run through the NETConductor. To prevent this you should run the NETConductor in a NAS. In this case all the ERROR, CONFIRM, TESTFIELD, DIALOG and other GUI usage will produce an error that is sent back to the client, stored in the Windows Event Viewer and possibly sent via e-mail to the administrators of the NETConductor.

However, before the NAS, including the NETConductor can be started you need to follow these instructions:

## Update the NASHandler function in CodeUnit 1 ApplicationManagement

In order for the NASHandler to support the 'NETC' parameter we need to change it.

~~~~~  
**Please not that the following code changes are suggestions and you may not want to make the changes exactly as shown here. Also, ensure you understand the code changes you are about to make. Do not follow these change suggestions blindly.**  
 ~~~~~

Early in the function there is code similar to this:

```
REPEAT
  SepPosition := STRPOS(ParamStr, ',');
  IF SepPosition > 0 THEN
    Parameter := COPYSTR(ParamStr, 1, SepPosition - 1)
  ELSE
    Parameter := COPYSTR(ParamStr, 1);
```

In 3.60 the next statement is a CASE statement but in 3.70 and 4.00 it is an IF. Regardless of the statement we suggest that you add code after the above snippet and before the next statement (being a CASE or IF), as shown here:

```
REPEAT
  SepPosition := STRPOS(ParamStr, ',');
  IF SepPosition > 0 THEN
    Parameter := COPYSTR(ParamStr, 1, SepPosition - 1)
  ELSE
    Parameter := COPYSTR(ParamStr, 1);
  //NETConductor: Begin
  IF COPYSTR(Parameter, 1, 5)='NETC:' THEN BEGIN
    NETConductor.Start(COPYSTR(Parameter, 6));
    EXIT;
  END;
  //NETConductor: End
```

NB: The suggested code change does not support any parameters, in the NAS comma-separated startup parameter, after the 'NETC' parameter. If you need that, you may want to create your own flavor of these changes, as mentioned earlier.

Then, before you can compile and save the CodeUnit you have to create a Local variable called 'NETConductor' of the type 'CodeUnit 84920 NETConductor' and you are done!

### Ensure the user has the necessary NAV permissions

Before you continue ensure the user has the necessary Navision Permissions:

The following are the permissions required by a user that is to be able to start a DataTier running. It would be smart to create a Navision Role, which is maybe called 'NCDT NETConductor DataTier Startup', and holds the following permissions:

Object Type	ID	Name	Read	Insert	Modify	Delete	Execute
Table Data	91	User Setup	Yes				Yes
Table Data	84936	NETConductor Setup	Yes				Yes
Table Data	84937	NETConductor Sessions	Yes	Yes	Yes	Yes	Yes
Table Data	2000000001	Object	Yes				Yes
Table Data	2000000002	User	Yes				Yes
Table Data	2000000054	Windows Login	Yes				Yes
Table	91	User Setup					Yes
Table	84936	NETConductor Setup					Yes
Table	84937	NETConductor Sessions					Yes
Form	84920	NETConductor					Yes
Form	84921	NETConductor Sessions					Yes
Form	84935	NET Menu					Yes
Form	84942	NETConductor pass dialog					Yes
Codeunit	423	Change Log Management					Yes
Codeunit	84920	NETConductor					Yes
Codeunit	84925	NETConductor.NET					Yes

Additional permissions should then be used for the actual access through the NETConductor.

NB: CodeUnit permissions don't work with the NETConductor. All permissions must be assigned on the running user.

### Create your NETConductor Configuration ID (i.e. NC0001).

We suggest that you use a Navision Client (and form 84920) to create the setup ID and test that it will actually start.

### Start the Navision Application Server

We suggest you do using the Application Server Manager. Sample parameters would be:

```
Database Server Name : CRONUS
Database : Navision Demo Database
Company Name : CRONUS UK Ltd.
Start-Up Parameter Value : NETC:NC0001
Net Type : TCP/IP
Object Cache Size : 0
```

Ensure the user has the necessary Navision Permissions (as mentioned above)

...and then you press the 'Start Service' button.

NB: When NAS is started you will be able to find all messages regarding it's startup and shutdown in the Windows Application Log, using the Windows Event Viewer (%SystemRoot%\system32\eventvwr.msc)

### Supporting an International language

When we start the NAS directly from the installed media it will start running using the English language. In the following example we are running the SQL version of the NAS, that is the nassql.exe, with the proper parameters to connect to our sample database (called NCDEV) running on our sample SQL server (called GAFFALL) and opening our sample company (called *NETConductor*):

```
C:\temp\n>c:\temp\n\nassql.exe appservername=NC_NCDEV_50SQL,servername=GAFFALL,database=NCDEV,company=NETConductor,nettype=
Date: 15.04.08
20:56:08:
20:56:08: Application Server for Microsoft Dynamics NAV version 5.00 (Build 24199)
20:56:08: Copyright (c) 1987-2007 Microsoft Corporation
20:56:08:
20:56:10: The Application Server for Microsoft Dynamics NAV NC_NCDEV_50SQL started with the following configuration:
20:56:10: Database Server Name = GAFFALL
20:56:10: Database = NCDEV
20:56:10: Company = NETConductor
20:56:10: Startup Parameter = NETC:NC0002
20:56:10:
20:56:10: Press ESC to shut down the Application Server for Microsoft Dynamics NAV NC_NCDEV_50SQL.
20:56:10:
```

Figure 1 – Starting the SQL version of the NAS for Microsoft Dynamics 5.0

When the NAS has been started we can see that it is using the English language because the information text is all shown in English. This is what we will be changing.

## Setting the fin.stx and fin.etx files

The first thing we must do is find the **fin.stx** and **fin.etx** files for our required language. In this example we want the NAS to run using the Icelandic language. So we find the ISL language directory, installed with and located within the client directory of our Microsoft Dynamics NAV installation:

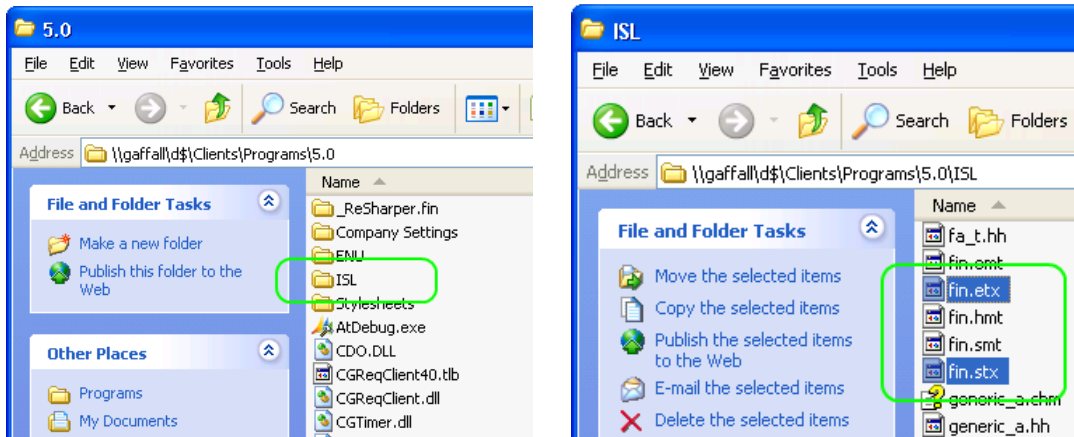


Figure 2 – Locating the fin.stx and fin.etx files within the ISL folder of the Microsoft Dynamics NAV client

To make sure the **fin.stx** file is correct we simply edit it using Notepad:

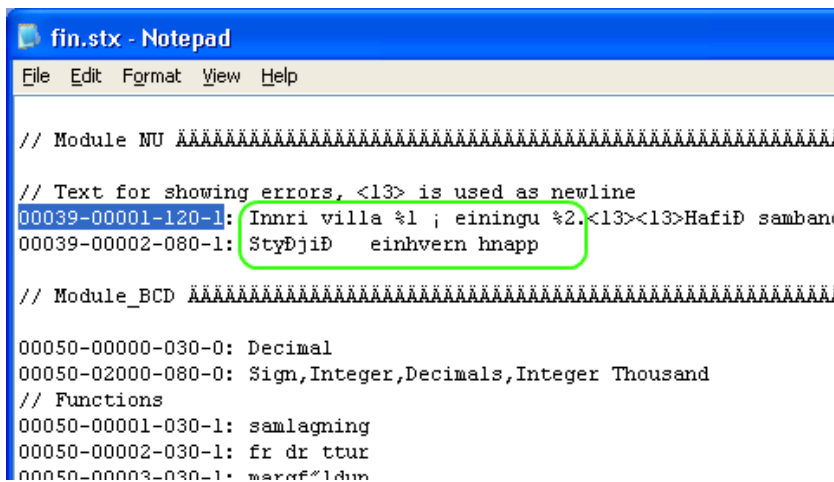


Figure 3 – Locating the fin.stx and fin.etx files within the ISL folder of the Microsoft Dynamics NAV client

If you look for the text “00039-00001-120-1” you should see some text in your local language. I can surely see some Icelandic written in this **fin.stx** file, so we have ensured that this is the correct **fin.stx** file. A similar verification process can be done on the **fin.etx** file.

When we have found the correct **fin.stx** and **fin.etx** files we copy them to our NAS directory:

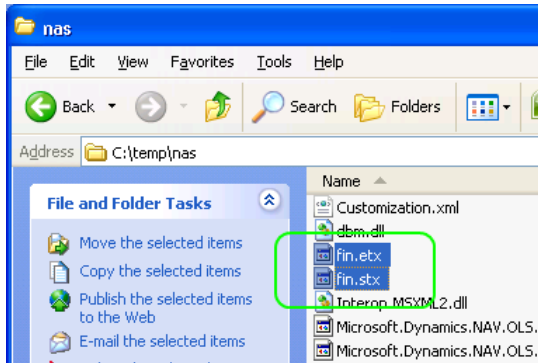


Figure 4 – fin.stx and fin.etx files in the NAS folder

You should delete the **fin.smt** and **fin.emt** files, if there are any, in your NAS directory. These are compiled versions of the **fin.stx** and **fin.etx** files and will be recreated next time you start your NAS.

### Starting the NAS again to see if the fin.stx and fin.etx files have any effect

Now we start the NAS again to see if there is any change:

```
C:\temp\nas>c:\temp\nas\nassql.exe appservername=NC_NCDEU_50SQL,servername=GAFFALL,database=NCDEU
Date: 15_04.08
- 21:03:57: Landskótinn í leyfisskránni er ekki í samræmi við landskóta (IS) í STX-skránni.
C:\temp\nas>pause
Press any key to continue . . . _
```

Figure 5 – running the NAS again after replacing the fin.stx and fin.etx files in the NAS folder

There is obviously a change because there is an error now – shown in the Icelandic language – it says something like: **The country code in the license file is not the same as the country code (IS) in the STX-file.**

You may not run into this problem if you have already copied the correct **fin.flf** file into the NAS directory. Please note that we need to have the **fin.flf** file in the NAS directory even though we are using SQL and the license file has been uploaded in there.

### Setting the fin.flf file

We need to copy our localized fin.flf into the NAS directory:

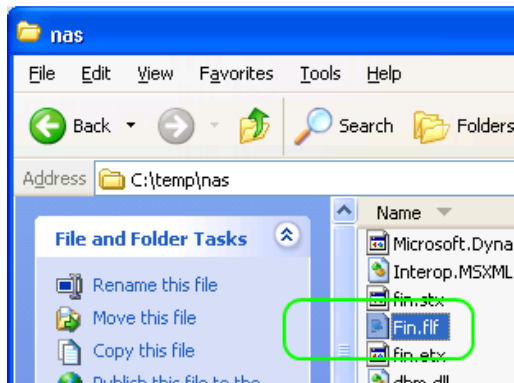


Figure 6 – copying our localized fin.flf into the NAS folder

The **fin.flf** file will sit next to the **fin.stx** and **fin.etx** files we copied earlier.

### Starting the NAS in our own language

Now that we have copied the fin.flf file we try yet again:

```
C:\temp\nas>c:\temp\nas\nassql.exe appservername=NC_NCDEU_50SQL,servername=GAFFALL,database=NCDEU,company=NE
Date: 15.04.08
21:06:39:
21:06:39: Application Server fyrir Microsoft Dynamics NAV útgáfa 5.00 (Build 24199)
21:06:39: Copyright (c) 1987-2007 Microsoft Corporation
21:06:39:
21:06:40: Application Server fyrir Microsoft Dynamics NAV NC_NCDEU_50SQL var ræstur með þessa samskipan:
21:06:40: Heiti gagnagrunnsþjóns = GAFFALL
21:06:40: Gagnagrunnur = NCDEU
21:06:40: Fyrirtæki = NETConductor
21:06:40: Rásifærifreyta = NETC:NC0002
21:06:40:
21:06:40: Stutt er á ESC til að slökkva á Application Server fyrir Microsoft Dynamics NAV NC_NCDEU_50SQL.
21:06:40:
```

Figure 7 – The NAS has started using the Icelandic language

There you go!



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