Running the LS Retail Scheduler with a Navision Application Server

LS Retail NAV

Contents

1   Introduction

This document describes how to configure a Navision Application Server (NAS) to run the LS Retail Scheduler.

Running the Scheduler with the NAS increases the security and reliability of the system. Security is increased since there are no unattended client sessions running. Reliability is also increased because the application server can recover from network failures and server unavailability without any user-intervention. Performance is improved as well, since the NAS does not have any GUI (Graphical User Interface).

It is assumed that the reader is familiar with the NAS and how to configure the server. If not, the reader is advised to study the *Installation and System Management Guide for Microsoft Business Solutions-Navision Application Server* (w1w1atas.pdf) on the Navision installation CD before continuing.

It is also assumed that the reader has solid understanding of TCP/IP networking and is familiar with Windows Services and the Event Log.

2   Requirements

Before you can continue you should have:

1. An LS Retail database running on a server that is a known TCP/IP host.
2. A NAS running on a computer that can connect to the LS Retail database. The NAS has to be from the same version as the server hosting the database.
3. Administrator privileges both on the computer running the NAS and the LS Retail database.

3   Configuration

The configuration can be split into three parts: the configuration of the NAS, the configuration of the NAS Service, and finally the configuration of the LS Retail database.

3.1   Configuring the NAS

Once the NAS has been installed, you can start the configuration. Begin by starting the Microsoft Management Console (MMC). Load the Navision Application Server plugin and connect to the NAS you want to configure. When you have connected to the NAS, you should see a window that looks like this:
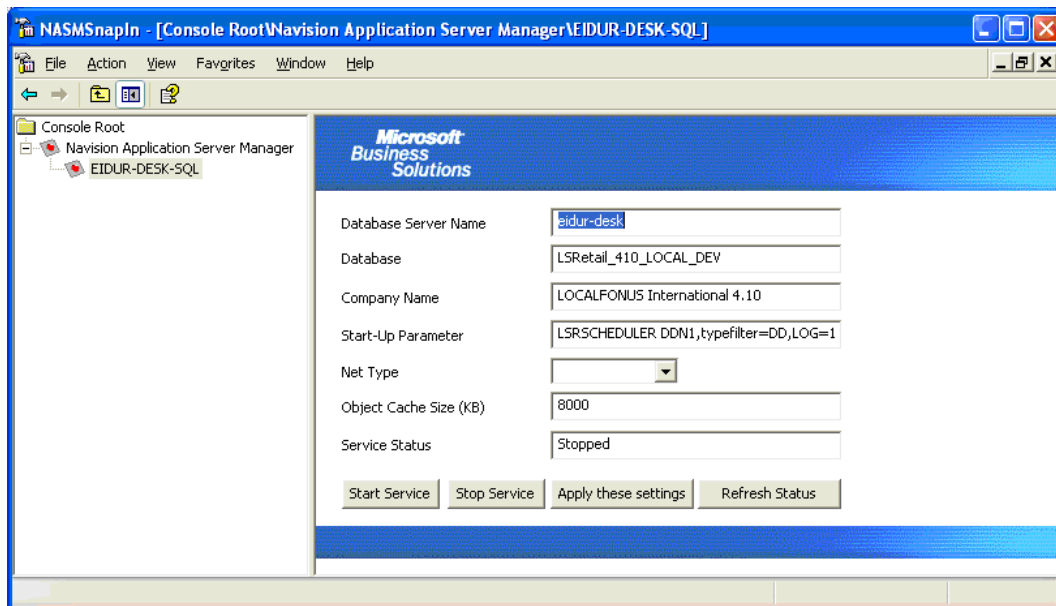
Figure 1   *- The NAS console*

The Scheduler requires a special Start-Up parameter. The parameter is split in two parts, the NASID and the parameter string. The NASID is should be set to 'LSRSCHEDULER' to start the Scheduler service. The parameter string identifies the NAS and controls which scheduler job types it should run.

The Scheduler supports many different types of jobs. These jobs can be grouped using different scheduler types. This can be seen on the figure below.
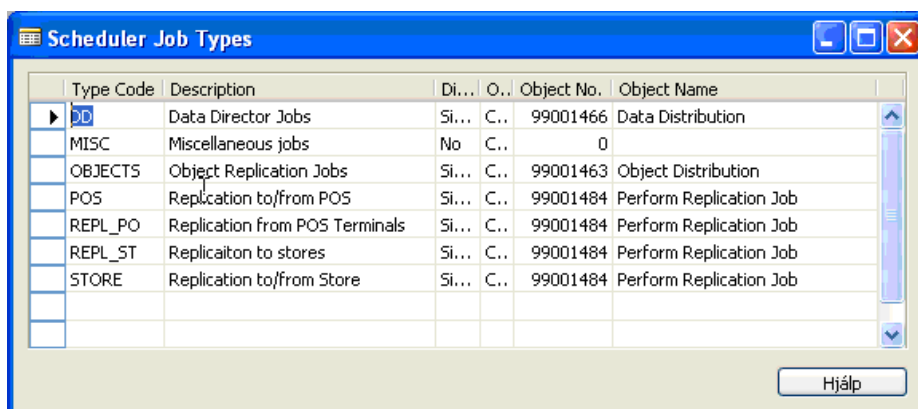

Figure 2   *- Scheduler job types*

You can set the NAS filter on certain job types by using the Typefilter parameter. You can see examples of Typefilter combinations in Table 1.

Start-Up Parameter	Result
...NAS_ALL,TYPEFILTER=	Runs all scheduler jobs with NAS_ALL as the NAS identifier.
...NAS_MISC,TYPEFILTER=MISC	Runs only jobs of type MISC with NAS_MISC as the NAS identifier.
...MYNAS,TYPEFILTER=MISC|POS	Runs jobs of type MISC and POS with MYNAS as the identifier.

Table 1 – Typefilter examples.

The value in the Typefilter will be applied as a regular Navision filter.

3.2 Configuring the LS Retail database

You need to change two settings in your LS database.

3.2.1 Create a Windows Login

Click **Tools**, **Security**, **Windows Login**. A window similar to this should appear:
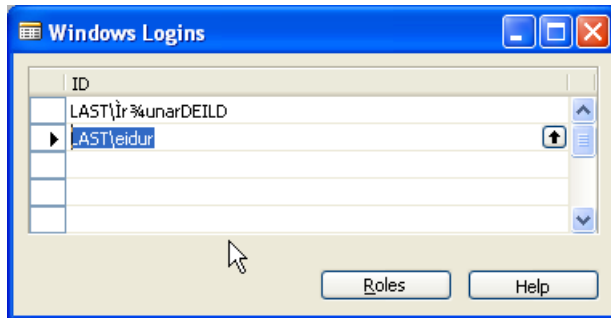

Figure 3   - Windows Login window

Here you need to create a login that the NAS will use when connecting to the database. Note that the user should have the necessary permissions to run all scheduler jobs. It is also a good idea to restrict this user from running any Forms, since that will make the login unusable by regular users.

3.2.2 Enable the Scheduler to be run by an Application Sever

Finally click **LS Retail-Scheduler, Setup, Scheduler, Scheduler Setup.** There you should place a check mark in the Enable NAS Scheduler field.
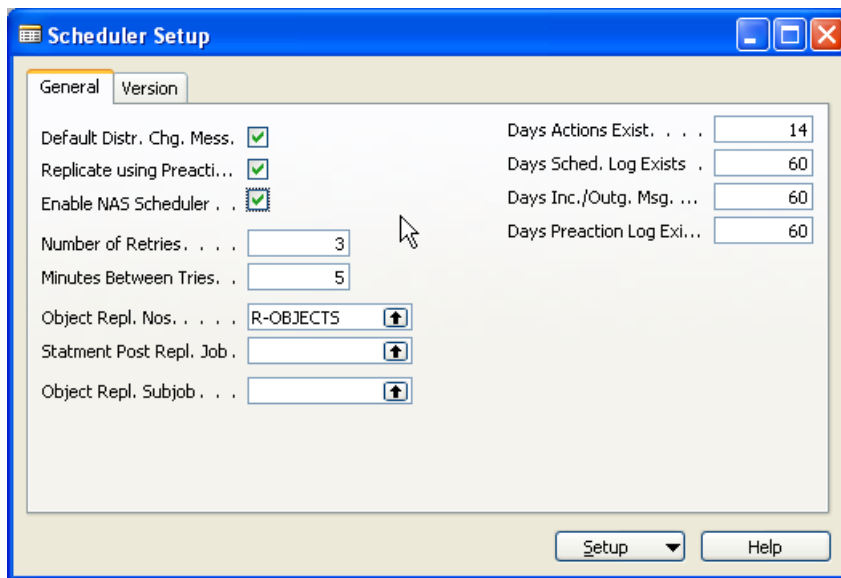

Figure 4   - Enabling the NAS Scheduler

3.3 Configuring the NAS Service

You should now be ready to configure the NAS Service. Open the **Services** window and select the **NAS Service** as shown below:
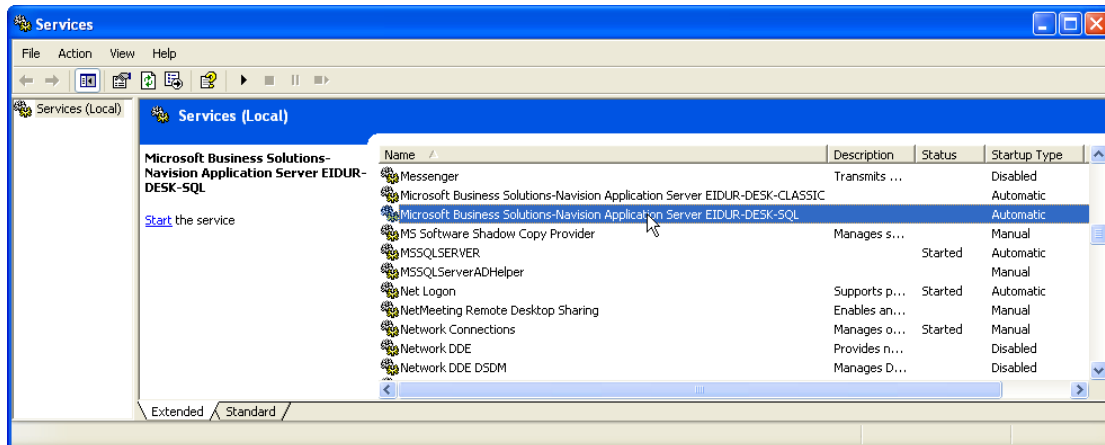

Figure 5   - Configuring the NAS Service

Right-click on the **Service** and select **Properties**. Click the **Log On** tab. The window should look something like this:
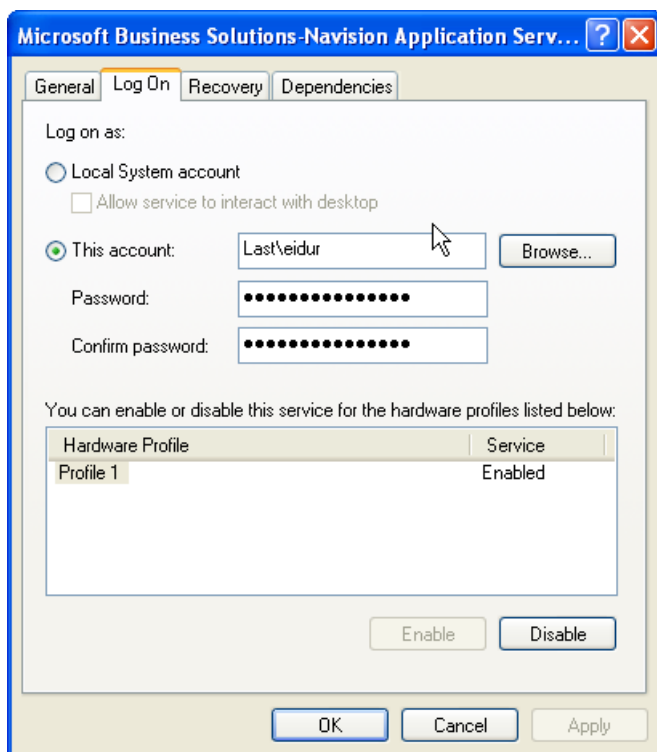

Figure 6   - NAS Service properties

Enter the username of the user you granted access to the database in the **This Account** field. You will need to enter the password for the user to activate the login.

You should now be ready to start the service and schedule a job from the LS Retail Scheduler.

4 Troubleshooting

This is a list of things to check if the NAS is not behaving properly:

1. Check the Event Log for any messages from the NAS.
2. Try to run the Job manually from the LS Retail Scheduler. This should reveal any run-time errors that could occur.
3. Run the NAS from a command prompt (not as a service). Information on how to do this can be found in the NAS documentation.