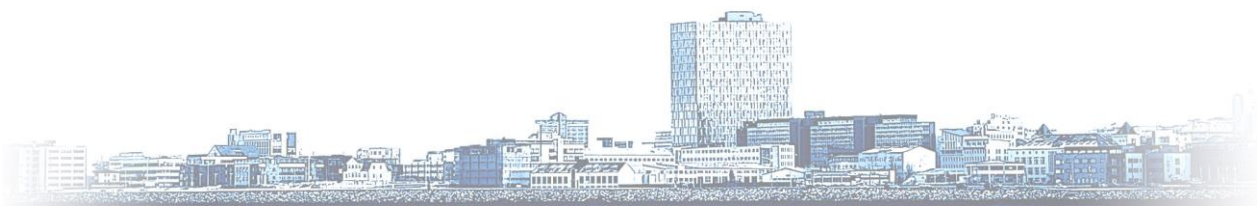
Running Multiple NAS Tasks Memo

LS Nav 2013 (7.1)



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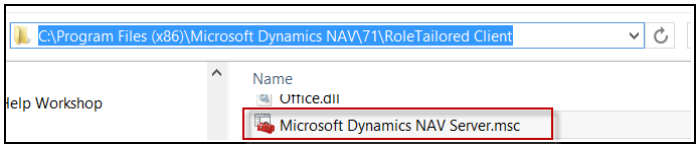
LS Retail ehf.
Katrinartun 2, 105 Reykjavik, Iceland
Tel: +354 414 5700 Fax: +354 571 2728

1 Running Multiple NAS Tasks

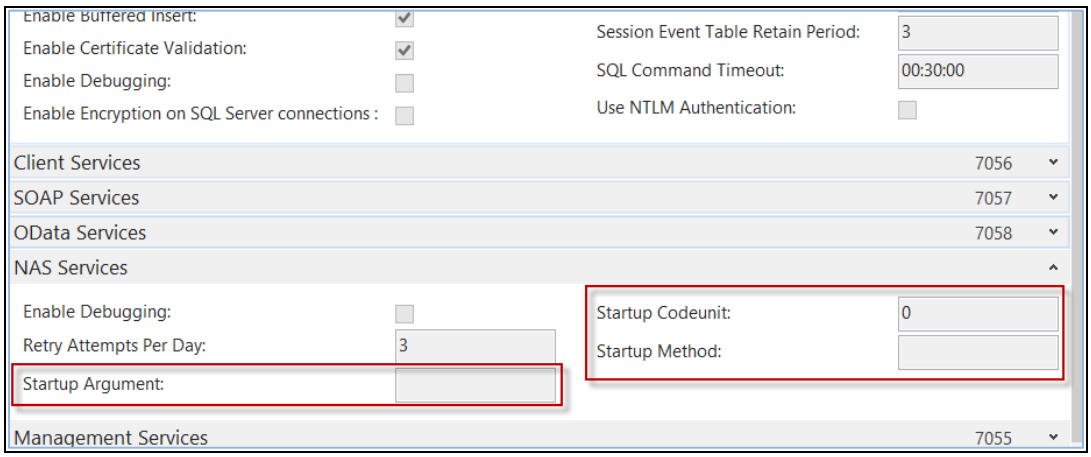
1.1 Configuring the NAS

To configure the NAS, you must open the **Microsoft Management Console** for the Microsoft Dynamics NAV Server. It is called "Microsoft Dynamics NAV Server.msc" and can usually be found in the folder C:\Program Files (x86)\Microsoft Dynamics NAV\71\RoleTailored Client



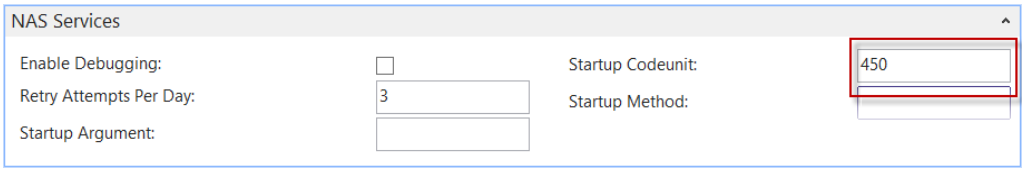
We assume the service has already been set up correctly so the connection to the database has been established and clients have already connected to the database.

To configure the NAS, please open the **NAS Services** tab for the service you want to configure.

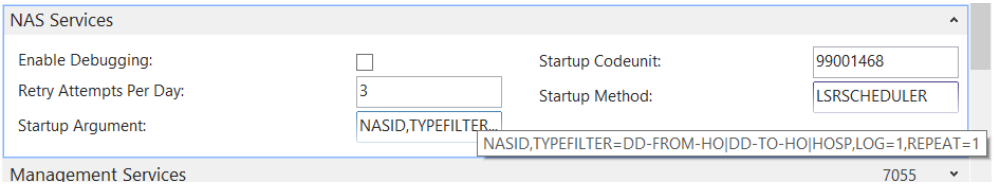


1.1.1 Having the NAS run a single task

If you just want to run one task or codeunit, you can enter the number of your codeunit in the field. This will run the OnRun trigger. Here is an example on how to have the NAS run codeunit 450 Job Queue – NAS Start Up



If you want the NAS server to run a function in your codeunit, you need to enter the name of the function in the Startup Method field and if you want to pass parameters to your function, you can enter them in the Startup Argument. Here is an example on how to have the NAS call the function LSRSCHEDULER in codeunit 99001468 LS NAS Scheduler Service and pass parameters NASID,TYPEFILTER=DD-FROM-HO|DD-TO-HO|HOSP,LOG=1,REPEAT=1



1.1.2 Having the NAS run multiple NAS tasks

If you want the NAS server to run more than one tasks, you can use Codeunit 99001454 LS Retail NAS Handler and pass parameters to the function LSRETAILNASHANDLER.

You need to enter 99001454 in the **Startup Codeunit** field and LSRETAILNASHANDLER in the **Startup Method**. The following four keywords are supported in the parameters passed in the **Startup Argument**:

- JOBQUEUE
- LSRBATCHPOST
- LSRSCHEDULER
- KDS

If your NAS is to run the **Job Queue**, then you should enter JOBQUEUE in the **Startup Argument** field. When this service is started, Codeunit 99001454 LS Retail NAS Handler will start Codeunit 450 Job Queue – Start Up in a background session.

If you want to run the **LS Retail Batch Posting** function, you can enter LSRBATCHPOST in the **Startup Argument** field. When this service is started, Codeunit 99001454 LS Retail NAS Handler will start 99001466 Run Batch Posting from NAS in a background session.

If your NAS is to run the **LS Retail Scheduler**, then you should enter LSRSCHEDULER in the **Startup Argument** field. Please note that the LSRSCHEDULER takes a parameter string. The parameter string must immediately follow the LSRSCHEDULER keyword and it must be separated by a space. The format of the LS Retail Scheduler parameter is: NASID,TYPEFILTER=[Filter on Scheduler Job Type Code],LOG=[0|1],REPEAT=[0|1].

The NASID can be filled out. It can have any value alphanumeric characters (A to Z and 0 to 9). If it is specified, then it must be the first keyword in the parameter string.

The scheduler uses the NASID for marking jobs that have **Run Status = Processing** when the scheduler starts. If the NASID is filled out, then the LS Retail Scheduler will mark the **Scheduler Job Header** with the NASID when it starts a job. When the LS Retail Scheduler is started and it finds a job where **Run Status = Processing** and it is marked with the same NASID, the LS Retail Scheduler will change the **Run Status** of the job depending on the value in the **Error Handling** field. If it is **Skip to Next Run**, then a new date and time will be calculated for the job depending on the **Time between Check** and the **Time Units** and the scheduler will try again at the new time. If the **Error Handling** is **Mark with Error and Retry**, then the scheduler will change the **Run Status** to blanks and try running it again. And finally if the **Error Handling** is **Mark with Error and Stop** then the scheduler will

change the **Run Status** to **With Error** and it will not try to run it again until the **Run Status** is changed manually.

In the filter on **Scheduler Job Type**, you can enter a filter for the jobs you want the LS Retail Scheduler to run. If you want to run all the LS Retail Scheduler jobs then you can omit this parameter or fill it out like this: TYPEFILTER=.

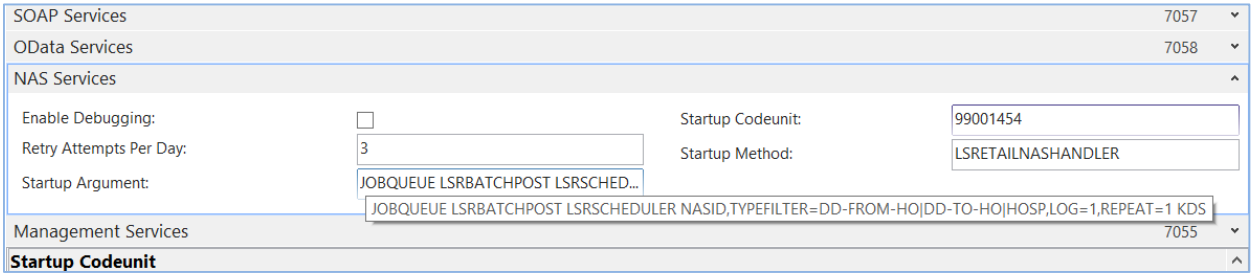
An example of how the TYPEFILTER can be filled out is: TYPEFILTER=DD-FROM-HO|DD-TO-HO|HOSP

The Codeunit that runs the scheduler (99001469) will apply the typefilter (DD-FROM-HO|DD-TO-HO|HOSP) to the jobs that it will run, so only jobs that have DD-FROM-HO, DD-TO-HO or HOSP will be selected and run by this NAS.

The LOG parameter can be set to either 0 or 1. If it is set to 0 (LOG=0) then the system will not enter any lines in the Scheduler Log. If the parameter is set to 1 (LOG=1) then the system will enter one line into the Scheduler Log, each time the job is run.

The REPEAT parameter can be set to either 0 or 1. If it is set to 0 (REPEAT=0) then the task is only run once, but if the parameter is set to 1 (REPEAT=1) then the task will run until it is shut down.

If your NAS is to run the **Kitchen Display System** (KDS) then you should enter KDS in the Startup Argument fields. When this service is started, Codeunit 99001454 LS Retail NAS Handler will start Codeunit 10001218 KDS NAS in a foreground session.



Please note that the keywords (JOBQUEUE, LSRBATCHPOST, LSRSCHEDULER, KDS) and parameters for the LSRSCHEDULER (NASID,TYPEFILTER=DD-FROM-HO|DD-TO-HO|HOSP,LOG=1,REPEAT=1) must be separated by a space in the **Startup Argument** field.