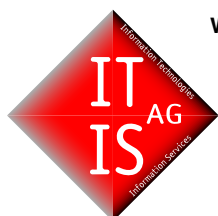


# Information Brochure

**Load balancing, keep alive checking and task scheduling for Microsoft Dynamics NAV**



**With IT IS control 2011, you can manage many NAV companies and databases simultaneously with just a couple of NAS now. This saves you license cost and improves the stability and overall performance of your NAV application**



**We create  
Worlds on the  
Web**

**IT IS AG**  
Postfach 3141  
84037 Landshut

Germany

+49 8703 9069 0  
kontakt@itis.de

**IT IS US**  
Tower 1660, Suite 906  
1660 South Albion Street  
Denver, Colorado 80222  
U.S.A.

+1 303 758 2882  
contact@itis.de

[www.itis.de](http://www.itis.de)



## ***Make load balacing and stability for the NAS an easy effort***

IT IS control 2011 greatly enhances the handling and functionality of the Navision Application Server (NAS). Now you can use just a few NAS to manage several “companies” in Microsoft Dynamics NAV. You get there with the help of IT IS control 2011. This approach reduces licensing costs and improves stability, manageability, and performance of the overall application. The single point of failure can be eliminated.

Many customers encounter the situation where they would like to have one NAS serving multiple companies. In particular, when portal solutions or other communication scenarios shall have access to Microsoft Dynamics NAV (formerly Navision), the ordinary approach requires one NAS for every company or database, so you needed to obtain a license for each dedicated NAS.

Also the NAS often stopped running, not necessarily because of this piece of software itself, but often due to an implementation of NAV business logic that “forgot” to manage the situation of message boxes correctly. Simply put, the NAS cannot answer “yes” or “no”, because of his automation controller nature. Hence he is waiting forever, and is unable to resolve further messages. With the IT IS control, the NAS is gracefully restarted, and will operate again.



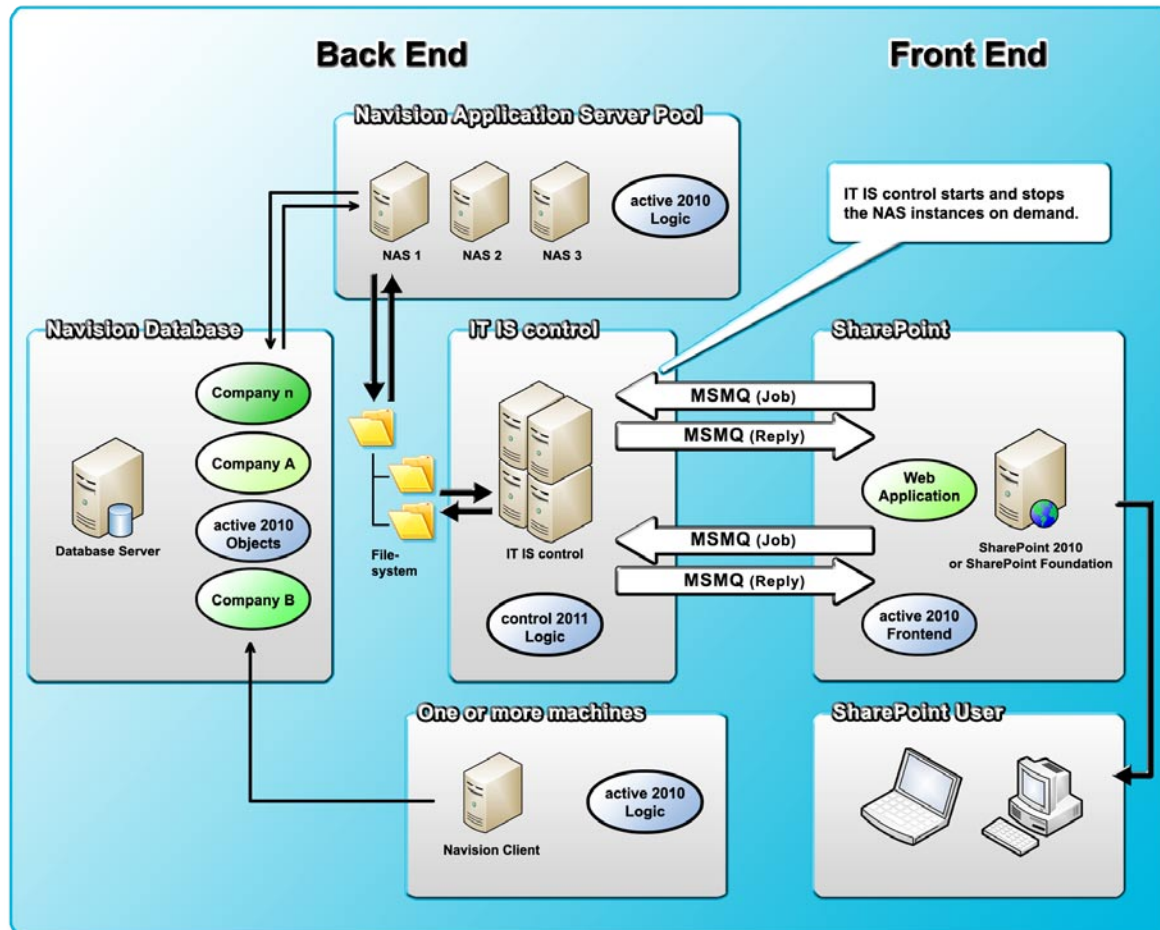
Also, load balancing is a great benefit from the usage of IT IS control. If configured appropriate, the pool of NAS will act almost simultaneously, channeling much more information in and out.

A new approach is there as IT IS control now can make the NAS run every code unit at a time scheduled beforehand. With this concept, it is easily possible to make batch processing of postings, reports, and other jobs.

Last not least, IT IS control has now an enhanced secure communication built in, where information, that is sent between back end and front end will be digitally encrypted with a 1024 bit public private key (PKI) data exchange method. This gives peace of mind for you and avoids the need for setting up virtual private networks.



## ***Solid and secure structure with IT IS control 2011***



## **Solid and secure and failsafe architecture for intranet portals and web portals with IT IS control 2011 connected with Microsoft Dynamics NAV.**

IT IS control is an application to dynamically manage the communication between the frontend components and the backend components of IT IS active or IT IS web, using the least amount of resources.

By analyzing the incoming requests from the frontend, IT IS control 2011 determines the addressed company and routes the request to its destination. It chooses an appropriate NAS (Navision Application Server) from a preconfigured NAS pool and starts or stops NAS instances on the fly, according to the available licenses.

After the appropriate Navision Application Server is started, the request is passed over to the NAS via the file system and then processed by the IT IS active or IT IS web logic.

The backend reply will then be routed back to the frontend through message queues and is rendered for visualization in SharePoint respectively DotNetNuke by the IT IS active or IT IS web frontend components. The started NAS instance is now free to connect to any other company in the according Microsoft Dynamics NAV environment (previous known as Navision).



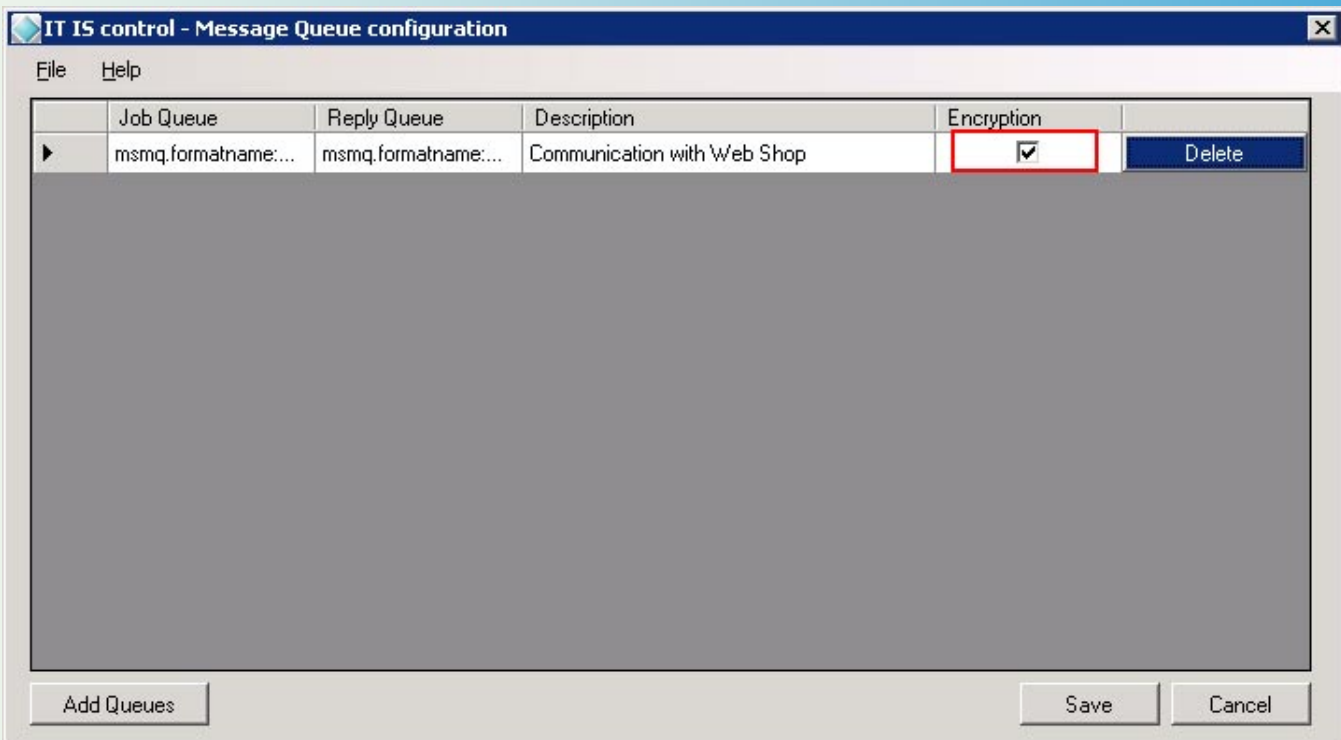
## ***Secure transmission of data over the Internet***

With IT IS control 2011 you can securely transmit data between front end and back end over the internet, even without the use of virtual private networks (VPN). This is possible with the encrypted form of the Microsoft message queue (MSMQ) communication for enhanced security.

Consider this particularly useful, if you run a scenario, where parts of the architecture of your web portal are cloud based or hosted. Whenever your servers are located in different networks, it is crucial to have a save communication. With the 1024 bit asynchronous encryption algorithm, which IT IS control uses, your data travel safe on their trip through the internet.

Running encrypted data streams is straight forward: you configure the regular key exchange supported with the IT IS configuration tool first.

At this stage, IT IS control is not yet involved in the communication. After the regular key exchange has run, you export the derived public/private key information from NAV and import it into the IT IS control configuration database.



With IT IS control 2011 you decide, which request for the NAS (Navision Application Server) is encrypted.



***You will gain a huge amount of productivity and save time with the task scheduler in IT IS control 2011:***

The IT IS control service can now process tasks in NAV (for example: automated mailings, report generation, batch postings) based on a configurable schedule. You can decide to start the task processing either on daily, weekly or monthly bases.

To process the task, IT IS control chooses one of the available NAS from the NAS pool. It also takes the current traffic from other tasks (like the front end communication) into consideration and redirects the communication to other NAS while the task is processed.

Thus the tasks are processed in NAV with the least possible impact on the NAV system itself. The communication bandwidth with your IT IS enabled web portal would improve overall since there would be one extra NAS during the other times .

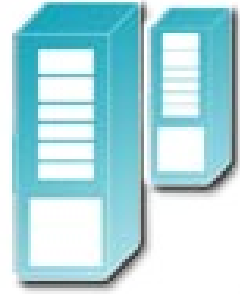
However, you do not need to have a dedicated NAS for the task processing. IT IS control 2011 is picking the most feasible NAS from the pool. IT IS control also has a queuing functionality for the web.

**Task configuration with scheduling the task.**

Task Name	Description	Company	Estimate Time	Recurrence	Schedule
ORDERMAILING	Order confirmation mails	Global Food Inc.	240	8/20/2011	Config.
DATASYNCH_ITEMS	Synchronization of Item Data	Global Food Inc.	300	8/20/2011	Config.

**Creation of tasks with the task schedule configuration in IT IS control 2011.**





# Information brochure

for stable and secure solutions with Microsoft Dynamics NAV



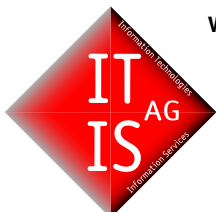
IT IS control 2011 for Microsoft Dynamics NAV is only available via qualified specialized trade

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**IT IS AG**  
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