

Version Manager



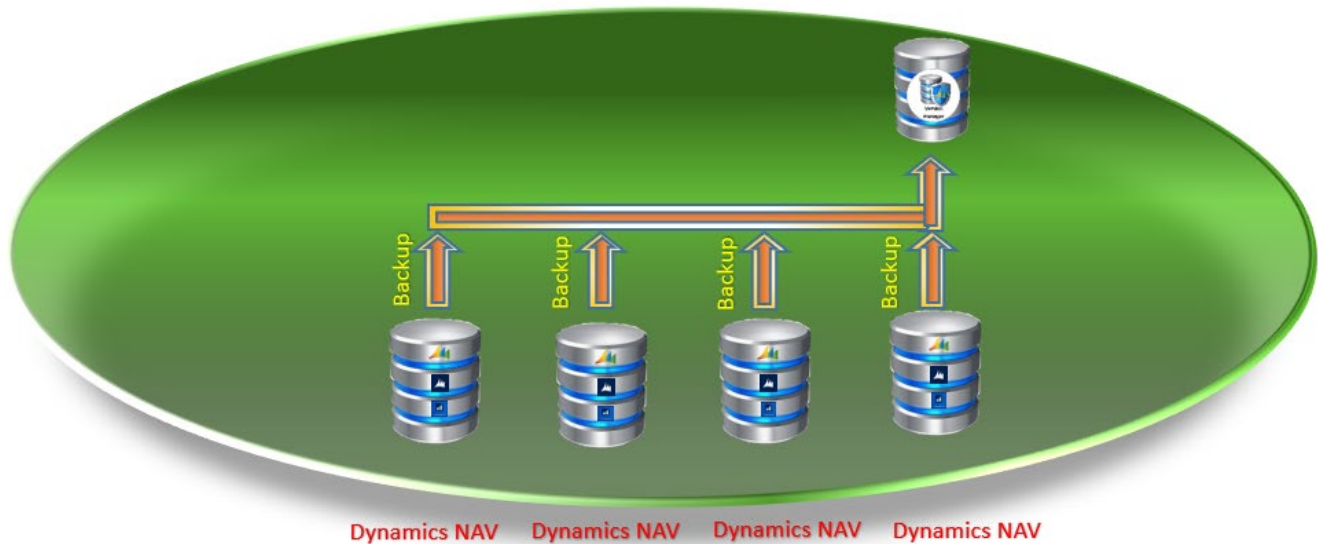
Handling databases protected by
Version Manager
VM2.01

Bech-Andersen Consult Aps
<http://versionmanager.dk>

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Version Manager Technology



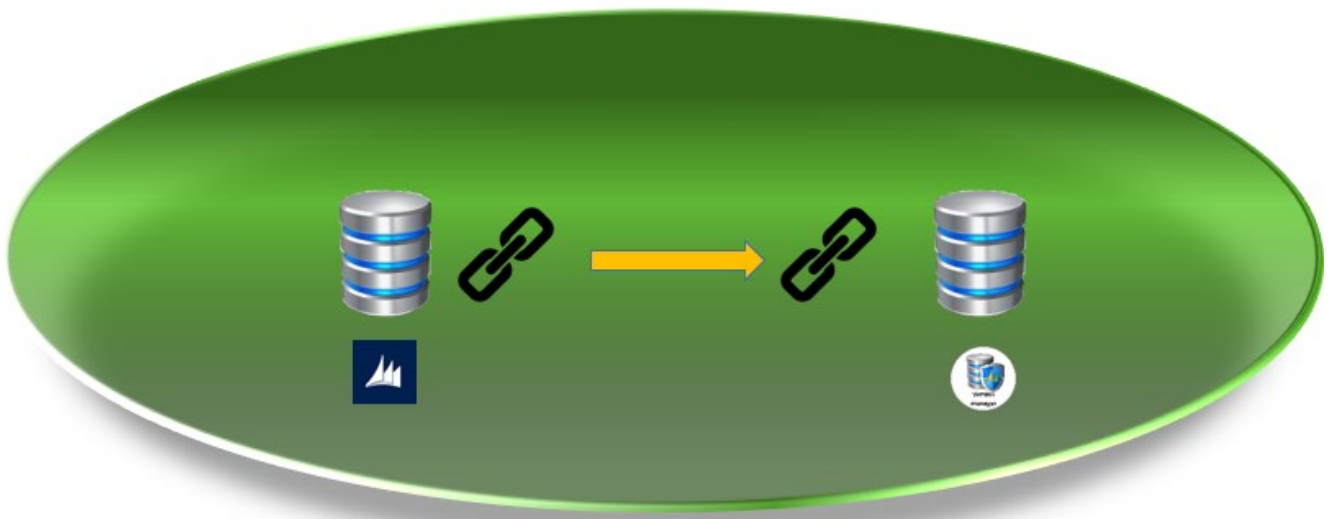
After Version Manager has been installed, regardless if Version Manager resides in the same database, on the same server or on a separate server, every database that is being monitored has been equipped with a set of triggers monitoring all the activities on the Object table in Dynamics NAV.

It works this way: Every time an object is either inserted, deleted or modified, the object will be copied to Version Manager. This is performed seamlessly from SQL server to SQL server without any actions necessary from any users using store procedures in the SQL servers.

If Version Manager resides with the monitored database, the object is simply copied from the Object table to the Version Manager VM Object Table.

If Version Manager resides in a separate database as the monitored database, but on the same server, the object is also simply copied from the Object table in the monitored database to the VM Object Table in the Version Manager database.

If Version Manager resides in a database on a separate server than the monitored database, the object is copied from the Object table in the monitored database through a Linked Server on the one server to a Linked Server on the Version Manager server and on to the VM Object Table in the Version Manager database using MSDTC (Microsoft Distributed Transaction Coordinator).



Moving databases

The triggers will always contain both the sending database and the receiving database names, and they are attached to the Object table on the monitored database.

It is therefore not possible to move the database from one server to another without uninstalling Version Manager before moving the database.

VM Setup

General

Path to Compare program: ... License Type: Partner Edition

Program Parameters: %1 %2 License No: 6417497

Path for Development Env: C:\Program Files (x86)\Microsoft Dynamics NAV\110\R... VM Version: 2.01

Expiry Date: 31-12-2018 VM Script Version: 1.06

Installation Verified:

SQL Server VM

SQL Server User ID: SQL Server Password:

Windows Authentication:

Version Manager Database

Object Databases

Install Object Database Uninstall Object Database Synchronize All Objects Delete Old Version History Enable Object Backup Disable Object Backup

Server Name	Server Instance	Database Name	Database Version	Install	Versi... Man...	Inst... Verif...	Obj... Are...	Dev... Data...	Loc... for ...	Loc... for ...
DESKTOP-KJTE60T		Demo Database NAV (11-0) W1 Version Manager	2018	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DESKTOP-KJTE60T		Demo Database NAV (7-0) TEST	2013	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DESKTOP-KJTE60T		Demo Database NAV (7-1) W1	2013 R2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DESKTOP-KJTE60T		Demo Database NAV (8-0) W1	2015	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DESKTOP-KJTE60T		Demo Database NAV (9-0) TEST	2016	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If the Object Database is deleted in Version Manager, all history will be deleted too. However, it is possible to uninstall the database on the old server, but keep the line in Version Manager and thereby keep all history from the database on the old server. Just make sure to remove the checkmark in the Install field.

After the move Version Manager must be reinstalled pointing to the new server:

Server Name	Server Instance	Database Name	Database Version	Install	Versi... Man...	Inst... Verif...	Obj... Are...	Dev... Data...	Loc... for ...	Loc... for ...
DESKTOP-KJTE60T		Demo Database NAV (11-0) W1 Version Manager	2018	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DESKTOP-KJTE60T		Demo Database NAV (7-0) TEST	2013	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DESKTOP-KJTE60T		Demo Database NAV (7-1) W1		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DESKTOP-KJTE60T		Demo Database NAV (8-0) W1	2015	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DESKTOP-KJTE60T		Demo Database NAV (9-0) TEST	2016	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
New Server		Demo Database NAV (7-1) W1		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Creating testing environments

When creating new testing environment, the usual procedure is:

- Make a backup of the live database
- Delete the old testing database
- Restore the back into a new testing database
- Renaming the company to reflect that it is a testing database and which date it is based on.
- Stopping all Job queues to prevent the testing environment to pick-up live data
- Redirect all printers and paths

But when Version Manager is active on the live database, the triggers have been copied too and it is therefore not possible to change any objects in the new testing database until the triggers have been updated.

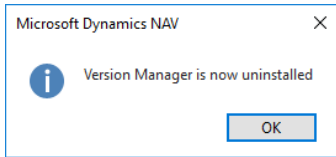
Therefore, after creating new testing databases, Version Manager must be uninstalled on the databases and reinstalled again:

Server Name	Server Instance	Database Name	Database Version	Install	Versi... Man...	Inst... Verif...	Obj... Are...	Dev... Data...	Loc... for ...	Loc... for ...
DESKTOP-KJTE60T		Demo Database NAV (10-0) TEST	2017	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DESKTOP-KJTE60T		Demo Database NAV (11-0) W1 Version Manager	2018	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DESKTOP-KJTE60T		Demo Database NAV (7-0) TEST	2013	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DESKTOP-KJTE60T		Demo Database NAV (7-1) W1	2013 R2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DESKTOP-KJTE60T		Demo Database NAV (8-0) W1	2015	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DESKTOP-KJTE60T		Demo Database NAV (9-0) TEST	2016	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

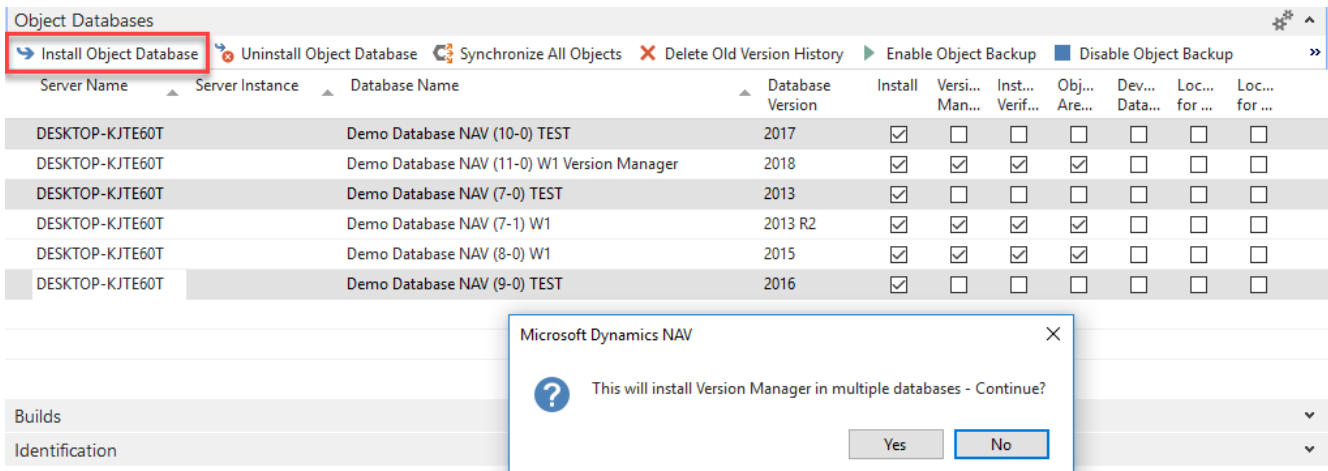
Microsoft Dynamics NAV

This will uninstall Version Manager from multiple databases - Continue?

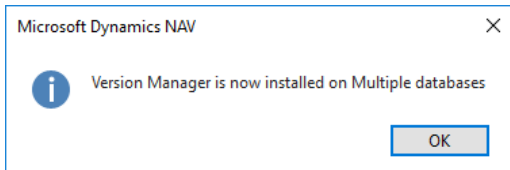
Giving the message below:



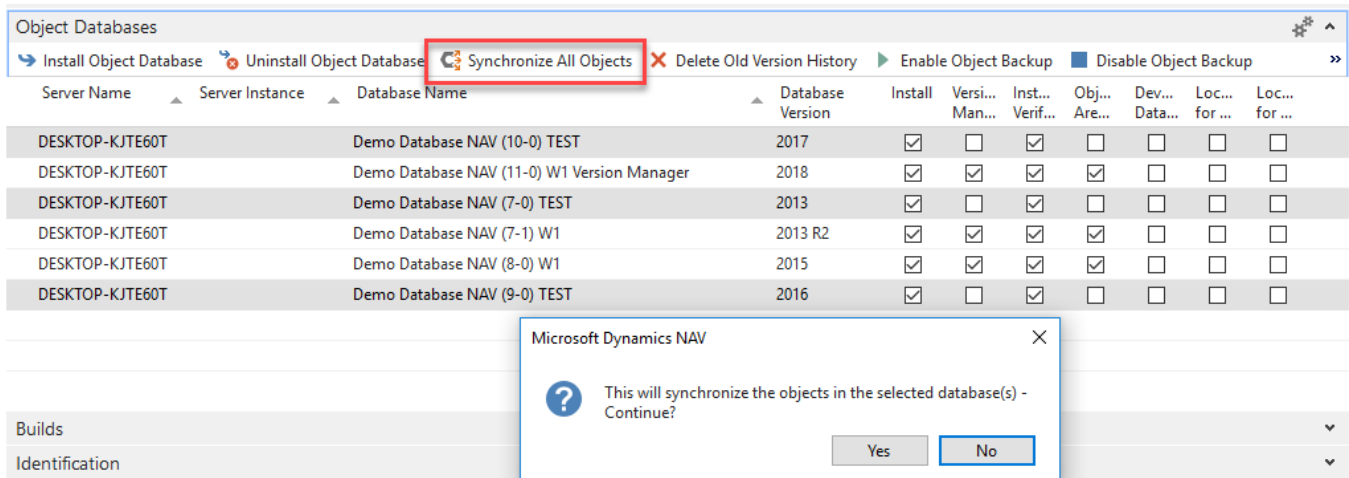
Next Click the Install Object Database action:



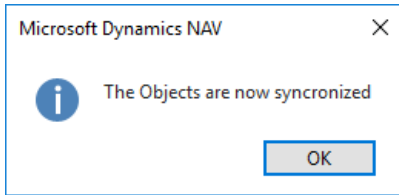
Giving this message:



Lastly the testing databases must be synchronized:



Giving this message:



Now Version Manager is operational on the new testing databases. All history from the old testing databases is kept and everything will continue as previous.