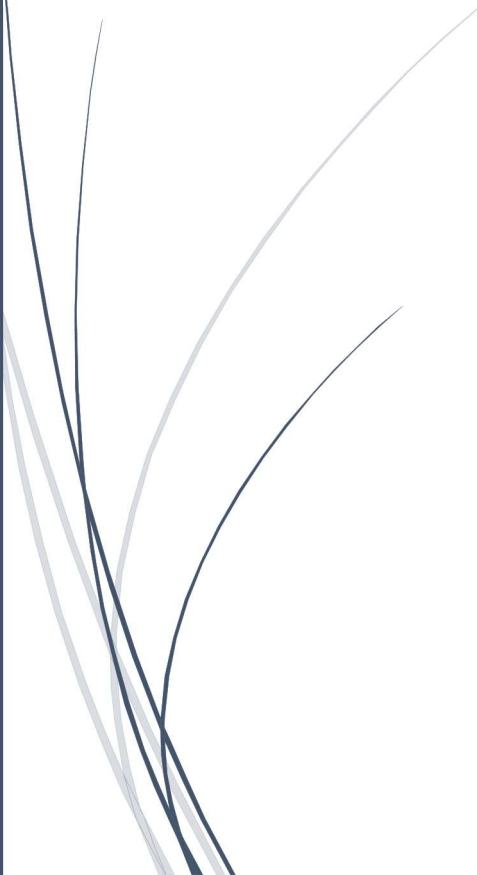




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# Upgrade Guide

Dynamics NAV 4.00 to 2016



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# Introduction

Upgrading the Dynamics NAV is one of the most interesting task. However, sometimes it gets complex specially if we are upgrading from older version whose support is not available now e.g. Dynamics NAV 4.00. The basic steps of Upgrading the version of Microsoft Dynamics NAV will always remain same but there might be some different in classic versions where utility like power shell is not available. In this guide, the basic overview of the upgrading process of Microsoft Dynamics NAV will be discussed.

## Steps of Upgrading Microsoft Dynamics NAV

There are three basic steps of upgrading Microsoft Dynamics NAV, which are as under:

1. Cleaning the Database
2. Database Upgrade
3. Application Code Upgrade
4. Data Upgrade

### 1. Cleaning the Database:

In this step, we identify the objects which the client is not using now so that we will remove the extra objects and their reference in the standard objects. This will help us in reducing our upgrade work.

We can identify the references of these objects on the basis of different table filters like on *Version list* etc.

### 2. Database Upgrade

In this step, we open the old cleaned database into the new (target) version of Microsoft Dynamics NAV. This process will convert the old version database into target version.

*Remember, by doing this step you are not able to use this database with older versions. So always make a backup of Database before converting the database.*

### 3. Application Code Upgrade

In this step, we convert and merge the code of old version with the target version. For this step, we have various tools available like in newer version of Microsoft Dynamics NAV, Microsoft provides the utility of power shell but if you are upgrading from old version then you have to do text comparison. For text comparison, we have different tools like Araxis Merge, Beyond compare, Merge tool etc.

*However, I would recommend, Merge tool as it is the best!*

Also, remember, this step is one of the most time-consuming step of Upgrading process so do it carefully.

#### 4. Data Upgrade

In this step, when the application objects are ready we upgrade(migrate) the data. For this purpose we use the Upgrade Toolkit.

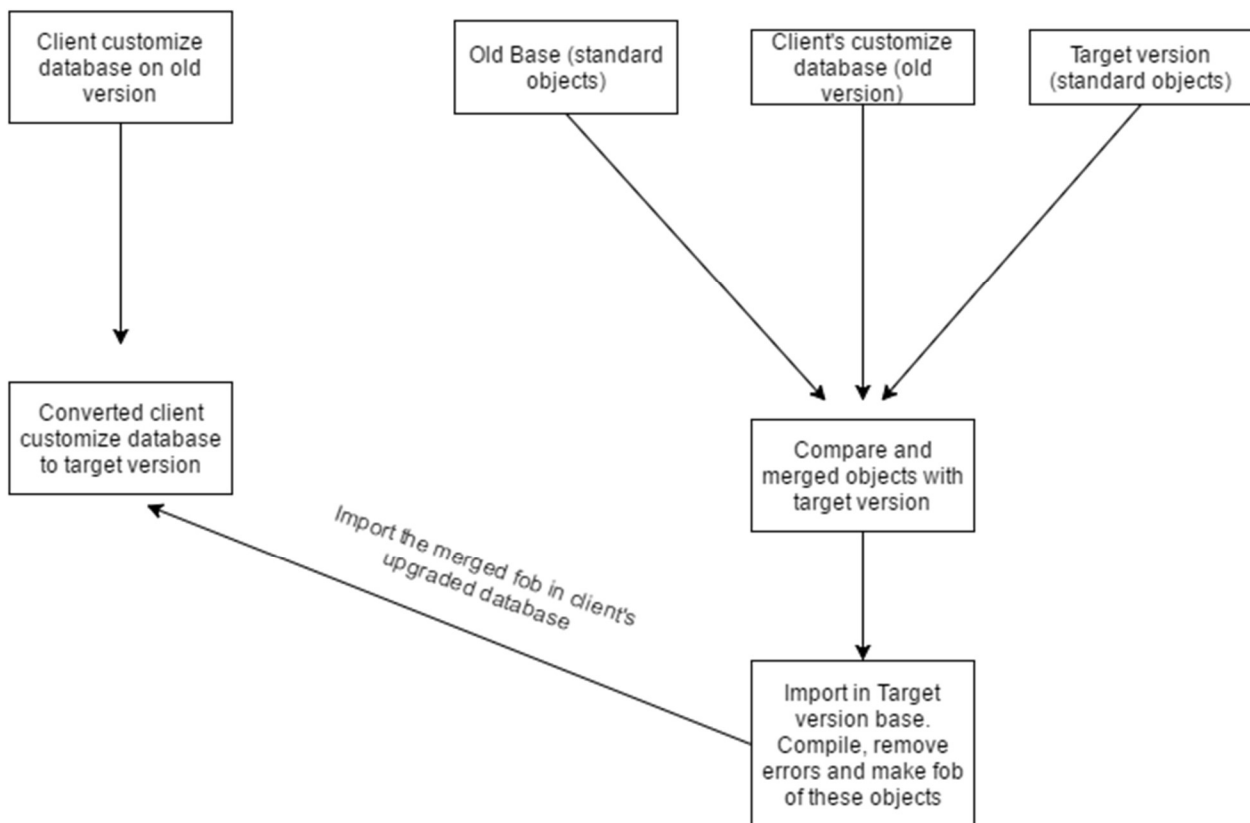
Upgrade toolkit, copies the data from the original table to the Temporary table (created when we import the upgrade toolkit fob). And then we import our merged application objects (fob). Once the objects have been imported the upgrade toolkit, fetch the data from the temporary tables and copies it into the original table.

#### Tips:

- All version should be in the same version as of client's application version.
- Make sure you have same MLCaptions in all the version of the database. If it is not same, then remove the extra MLCaptions using Language Export utility present in Microsoft Dynamics NAV.

## Upgrade Process Overview:

Here is the brief overview of how upgrade works in Microsoft dynamics NAV.



# Upgrade from NAV4.00 to NAV 2009R2

Below are the steps, to upgrade from NAV4.00 to NAV2009R2:

1. We should have the cleaned database in NAV4.00.
2. Convert the Database (as described in the Database upgrade section).
3. Upgrade the Application Code using Merge tool.
4. For Merge tool you will need three files i.e. *old base (NAV 4.00 standard DB objects)*, *Target base (NAV 2009R2 standard DB objects)* and *Old Customize (NAV4.00 customer DB objects)*.
5. Once the application objects have been merged with target version, import the *merged text file* in the BASE of target version i.e. *2009R2 base*.
6. Compile all the objects and remove the error if there is any.
7. Once all the objects have been compiled, export all the objects in FOB format.
8. Import the upgraded fob to the client's converted database.
9. While importing if you are facing any error of "Not dropping the column as data exist" then remove the data in this field from both companies and then reimport the fob file.
10. Once all the upgraded objects fob importing has been done compile all the objects.
11. If there is no error, your database has been upgraded to NAV2009R2. 😊

# Upgrade from NAV2009R2 to NAV 2013R2

Below are the steps, to upgrade from NAV2009R2 to NAV2013R2:

1. Remove all the forms and data ports as they are going to obsolete in NAV 2013R2.
2. Before converting the database in Dynamics NAV 2013R2, you first have to convert the database in NAV 2013 and then convert it into the 2013R2 Database.
3. Upgrade the Application Code using Merge tool.
4. For Merge tool you will need three files i.e. *old base (NAV 2009R2 standard DB objects)*, *Target base (NAV 2013R2 standard DB objects)* and *Old Customize (NAV 2009R2 upgraded customer DB objects)*.
5. Run the transformation tool (available in the setup of 2013R2) on the text files you have created on step 3. This will remove all the references of the forms and dataports.
6. Once the application objects have been merged with target version, import the *merged text file* in the BASE of target version i.e. *2013R2 base*.
7. Compile all the objects and remove the error if there is any.
8. Once all the objects have been compiled, export all the objects in FOB format.
9. Import the upgraded fob to the client's converted database.
10. While importing if you are facing any error of "Not dropping the column as data exist" then remove the data in this field from both companies and then reimport the fob file.
11. Once all the upgraded objects fob importing has been done compile all the objects.
12. If there is no error, your database has been upgraded to NAV2013R2. 😊

# Upgrade from NAV2013R2 to NAV 2016

Below are the steps, to upgrade from NAV2013R2 to NAV2016:

1. Convert the NAV 2013R2 database to NAV 2016 compatible database (as described in the Database upgrade section).
2. For Merge tool, you will need three files i.e. *old base (NAV 2013R2 standard DB objects)*, *Target base (NAV 2016 standard DB objects)* and *Old Customize (NAV 2013R2 upgraded customer DB objects)*.
3. Upgrade the Application Code using Merge tool.
4. Once the application objects have been merged with target version, import the *merged text file* in the BASE of target version i.e. *2016 base*.
5. Compile all the objects and remove the error if there is any.
6. Once all the objects have been compiled, export all the objects in FOB format.
7. Import the upgraded fob to the client's converted database.
8. While importing if you are facing any error of "Not dropping the column as data exist" then remove the data in this field from both companies and then reimport the fob file.
9. Once all the upgraded objects fob importing has been done compile all the objects.
10. If there is no error, your database has been upgraded to NAV2016. 😊

## Conclusion

By following this guide, you can easily upgrade from any version of Microsoft Dynamics NAV.