**Upgrade NAV2017 (2018) -> BC14**

**Task 1: Install the Prerequisites and Tools**

To complete the tasks in this article, you will use various tools and components of the old Dynamics NAV version and Business Central. Ensure that you have the following installed:

**Dynamics NAV to Business Central upgrade**

|  | **Tool/Component** |
| --- | --- |
| Old Dynamics NAV version | * Dynamics NAV Development Environment * Dynamics NAV Development Shell |
| Business Central | * Business Central Server * Dynamics NAV Development Shell(**DISCONTINUED AFTER:** Business Central Spring 2019) * Business Central Administration Shell * Dynamics NAV Development Environment (**DISCONTINUED AFTER:** Business Central Spring 2019) |

## Task 2: Prepare the Application Object Text Files

Create four folders on the computer, and name them as follows:

* **ORIGINAL**

This folder will be used to store the application object text file(s) from the baseline version, such as the original release of Business Central October 2018, Microsoft Dynamics NAV 2018, or Microsoft Dynamics NAV 2017 (Do not export system tables, which have the IDs in the 2000000000 range)

|  |
| --- |
| **Microsoft Dynamics NAV Development Shell** |
| Export-NAVApplicationObject –DatabaseServer MyServer –DatabaseName "Demo Database NAV (11-0)" –Path C:\Upgrade\ORIGINAL\OldBaseVersion.txt -Filter 'Id=1..1999999999' |

* **MODIFIED**

This folder will be used to store the application object text file(s) from the modified version, such as the customer's database.

|  |
| --- |
| **Microsoft Dynamics NAV Development Shell** |
| Export-NAVApplicationObject –DatabaseServer MyServer –DatabaseName "MyCustomerNAV2018Database" –Path C:\Upgrade\MODIFIED\OldCUSTOMVersion.txt -Filter 'Id=1..1999999999' |

* **TARGET**

This folder will be used to store the application object text file(s) from the latest Business Central version.

|  |
| --- |
| **Microsoft Dynamics NAV Development Shell for Business Central** |
| Export-NAVApplicationObject –DatabaseServer MyServer –DatabaseName "Demo Database BC (14-0)" –Path C:\Upgrade\Target\NewBaseVersion.txt -Filter 'Id=1..1999999999' |

* **RESULT**

This folder will be used to store the application object text file(s) that are the result of the application merge. It will also contain zero or more .CONFLICT files that describe conflicting code.

## Task 3: Merge Versions

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| --- |
| **Microsoft Dynamics NAV Development Shell for Business Central** |
| Merge-NAVApplicationObject -OriginalPath ORIGINAL -TargetPath TARGET -ModifiedPath MODIFIED -ResultPath RESULT |

## Task 4: Handling Conflicts

Depending on the application that you are upgrading, you can choose to analyze and fix the conflicting code before you import the merged objects into the Dynamics NAV Development Environment for Business Central. The conflicts are shown in the merged text files but are also identified in .CONFLICT files in the subfolders of the **RESULT** folder. The subfolders **ConflictOriginal**, **ConflictModified**, and **ConflictTarget** folders then contain copies of the source files from the versions that have conflicting code.

## Task 5: Import and Compile Merged Objects in an Empty Database

* 1. Create a new Business Central database for the new upgraded application. The database should be empty, except for the system tables.
  2. Import the new merged application object text files (.TXT) from the **Result** folder into the new database.

|  |
| --- |
| **Microsoft Dynamics NAV Development Shell for Business Central** |
| Join-NAVApplicationObjectFile –Source C:\Upgrade\RESULT\\*.txt -Destination C:\Upgrade\all-merged.txt |
| Import-NAVApplicationObject –DatabaseServer MyServer –DatabaseName "My Upgraded App" –Path C:\Upgrade\all-merged.txt |

* 1. Connect the new Business Central Server instance to the database.
  2. Compile all the newly imported objects. Choose to synchronize **later**.

## Task 7: (Dynamics NAV upgrade only) Configure pages and reports to be searchable

|  |
| --- |
| **Windows PowerShell** |
| import-module -Name c:\dvd\WindowsPowerShellScripts\WebSearch\TransitionMenuSuiteObjectsForSearch.psm1 |
| Set-ObjectPropertiesFromMenuSuite -RoleTailoredClientFolder "C:\Program Files (x86)\Microsoft Dynamics NAV\130\RoleTailored Client" -DataBaseName "MySolutionDatabase" -OutPutFolder "C:\temp" |

For more information, see [Making Pages and Reports Searchable After an Upgrade](https://docs.microsoft.com/en-us/dynamics365/business-central/dev-itpro/upgrade/upgrade-pages-report-for-search).