Microsoft Dynamics NAV 2013 Installation & Deployment New Features

Upgrading to NAV 2013 - Lab

gtr | Global Technical Readiness

VERSION 1.0

Released: September 17, 2012

Conditions and Terms of Use

Microsoft Confidential

This training package content is proprietary and confidential, and is intended only for users described in the training materials. This content and information is provided to you under a Non-Disclosure Agreement and cannot be distributed. Copying or disclosing all or any portion of the content and/or information included in this package is strictly prohibited.

The contents of this package are for informational and training purposes only and are provided "as is" without warranty of any kind, whether express or implied, including but not limited to the implied warranties of merchantability, fitness for a particular purpose, and non-infringement.

Training package content, including URL and other Internet Web site references, is subject to change without notice. Because Microsoft must respond to changing market conditions, the content should not be interpreted to be a commitment on the part of Microsoft, and Microsoft cannot guarantee the accuracy of any information presented after the date of publication. Unless otherwise noted, the companies, organizations, products, domain names, e-mail addresses, logos, people, places, and events depicted herein are fictitious, and no association with any real company, organization, product, domain name, e-mail address, logo, person, place, or event is intended or should be inferred.

Copyright and Trademarks

© 2012 Microsoft Corporation. All rights reserved.

Microsoft may have patents, patent applications, trademarks, copyrights, or other intellectual property rights covering subject matter in this document. Except as expressly provided in written license agreement from Microsoft, the furnishing of this document does not give you any license to these patents, trademarks, copyrights, or other intellectual property.

Complying with all applicable copyright laws is the responsibility of the user. Without limiting the rights under copyright, no part of this document may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the express written permission of Microsoft Corporation.

For more information, see **Use of Microsoft Copyrighted Content** at
http://www.microsoft.com/about/legal/permissions/

Microsoft®, Microsoft Dynamics®, Internet Explorer®, and Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Microsoft products mentioned herein may be either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. All other trademarks are property of their respective owners.

Table of Contents

LAB 1: TITLE 1
Exercise 1: Customize the Customer's Microsoft Dynamics NAV 2009 Database 2
Exercise 2: Prepare the Database for Upgrade 3

Lab 1: Upgrade Microsoft Dynamics NAV 2009 to Microsoft Dynamics NAV 2013

During this lab, you will implement a small customization in a Microsoft Dynamics NAV 2009 database, and then upgrade it to Microsoft Dynamics NAV 2013.

Estimated time to complete this lab: 60 minutes

Before You Begin

To complete this lab:

- You need to have access to both a Microsoft Dynamics NAV 2009 installation and a Microsoft Dynamics NAV 2013 installation.

What You Will Learn

After completing this lab, you will be able to:

- Follow the steps involved in upgrading

Scenario

You have customized a number of objects for your Microsoft Dynamics NAV customer in Microsoft Dynamics NAV 2009. The customer now wants to do a full upgrade to Microsoft Dynamics NAV 2013, they have asked you to help with this and they insist that you do it in as little time as possible!

Exercise 1: Customize the Customer's Microsoft Dynamics NAV 2009 Database

Currently, the customer is still on Microsoft Dynamics NAV 2009. Using Microsoft Dynamics NAV 2009, create any customization you like (add a new field to a table or page for example), and create a new customer or any other new data so that you can check after the upgrade that this customization and data is still there.

Steps

Any modification will do, but if in doubt, follow these steps to add customization to the customer's database:

1. Design table 18, and add a new field 50000 called **Status**. Set Data Type = Option, and in the OptionString property add **Bronze,Silver,Gold,Platinum**.
2. Design page 21 **Customer Card**, and add the new field to this page.
3. Run Customer Card in RTC and check that the new field is on the page, and while you are here create a new customer and set their status to Gold.

© 2012 Microsoft Corporation. All rights reserved.

Exercise 2: Prepare the Database for Upgrade

In this exercise, we will do the steps necessary to complete before we begin the actual upgrade process.

Apply customization to Microsoft Dynamics NAV 2013 objects

Open a Microsoft Dynamics NAV 2013 database, and apply the customization you did in the previous step in this database. You will then have Microsoft Dynamics NAV 2013 objects including customization, which will be the new custom version. Export all objects to a .fob file.

Prepare the customer's Microsoft Dynamics NAV 2009 database

In the customer's Microsoft Dynamics NAV 2009 database, you must run the following steps:

1. Delete all forms and dataports
2. Import Upgrade601700.1.fob. This is in the Data Conversion folder of the upgrade tool
3. Run form 104001. First click **Transfer Data**
4. Before the next step, just check status (see below)
5. then **Delete Objects**

Checking the status:

After transferring data, click **Status** > **Time Log** and preview the report. See the list of functions that were run, and the time for each of the functions. Design codeunit 104045 and map the functions in the report with the functions you see here. This is the Step 1 of the upgrade - preparing for importing the new tables.

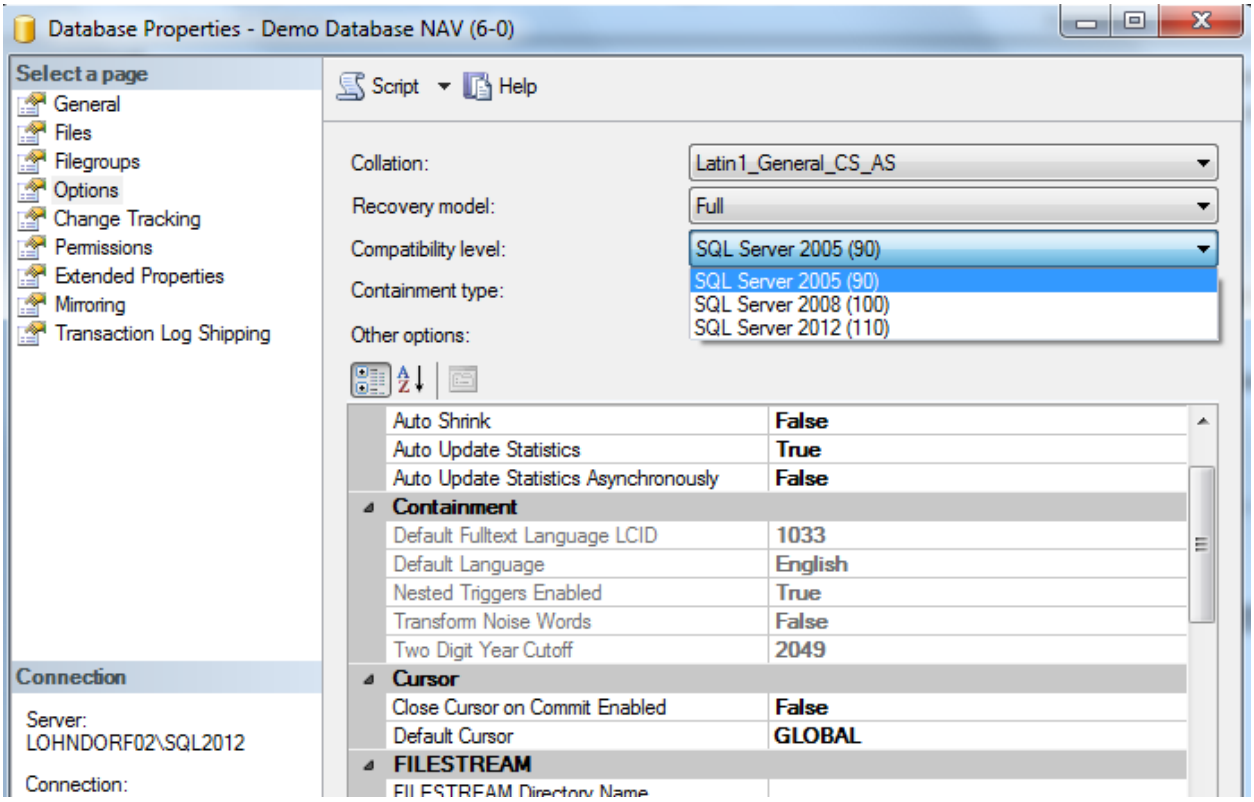
After deleting objects you now have the customer's data, but with the old version of objects. In addition, any data that would not fit into the Microsoft Dynamics NAV 2013 table structure has been moved into temporary tables or fields in existing tables.

Open the customer's database in Microsoft Dynamics NAV 2013

You are now finished with the steps in Microsoft Dynamics NAV 2009 and could uninstall this version. The rest of the upgrade will take place in the Microsoft Dynamics NAV 2013 platform.

Open the customer's database in Microsoft Dynamics NAV 2013's development client (classic client). And click **Yes** to convert the database.

If the client gives you an error that the compatibility level of the database is too low, then you must change this from within SQL Server Management Studio, from the **Options** tab of the database properties:



Import all the Microsoft Dynamics NAV 2013 objects that you exported previously, and make sure to select **Replace All** objects.

Compile all objects (see tip below!).

Tip: For this exercise just compile all uncompiled objects: Make a filter in Object Designer on objects that are not compiled, then highlight just those and compile them. Compiling all objects will take 10-30 minutes!

After compilation is finished, check if there are any warnings but those can be ignored at least for this exercise.

At this point in time, the customer still has their existing data, but now Microsoft Dynamics NAV 2013 objects. The last step is to move the data back, which was moved during the previous step into temporary tables and fields.

© 2012 Microsoft Corporation. All rights reserved.

Import the file Upgrade601700.2.fob from the upgrade tool. From this tool, you need to run page 104002, which means that you need to set up the customer's database for Microsoft Dynamics NAV Server so that you can open it in the Windows client (RTC).

Run step 2 to complete the upgrade

Open the customer's database in the Microsoft Dynamics NAV 2013 Windows client (RTC). Then run page 104002. If you are not able to run this page from the development client, then make it available from any page in the Windows Client.

From page 104002, first run **Test Database connection**, then run **Transfer Data**.

If **Test Database connection** fails, then check that the **SQL Server name** is pointing to the right SQL Server and the right instance. And check that your user exists under CRONUS International Ltd. > **Departments** > **Administration** > **IT Administration** > **General** > **Users**.

Finally, mark and then delete unused objects and the upgrade tool. Then test that your original customization and data are still present in your newly upgraded database.