SQL 2005 Installation + Conversion from SQL 2000 Databases to SQL 2005:

Things to check and take care in SQL 2000 production DB:

- have a backup of all production DBs
- check users in SQL and DB itself
- check DTS packages
- check backup jobs in sql agent and in Management/Jobs
- check database maintanance plans

Information resources:

- DTS packages in SQL2000: http://www.microsoft.com/technet/prodtechnol/sql/2000/deploy/dtssql2k.mspx
- Execute DTS package task in SQL2005: ms-help://MS.SQLCC.v9/MS.SQLSVR.v9.en/extran9/html/41458428-f53e-4e32-b97b-7d2507741c98.html
- Migrating SQL 2000 DTS packages to SSIS: http://searchsqlserver.techtarget.com/tip/0,289483,sid87_gci1216481,00.html#Tools
- Installation information & overview SQL2005: http://www.microsoft.com/technet/prodtechnol/sql/2005/default.mspx
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Migration & Installation Steps:

1. Install OS Windows 2k3 + Webservices + ASP.Net (webservices + ASP.Net is

   required if you want to use Reporting Services of SQL 2005) + latest SPK

2. Install SQL 2005 => all options + SPK2

3. Download and Install Addon for SQL 2005
   SQL 2000 DTS Designer components for SQL2005 to edit DTS packages
   http://msdn2.microsoft.com/en-us/sql/aa336314.aspx
   see also knowledgebasearticle
   http://support.microsoft.com/kb/917406

4. create all necessary users in SQL 2005 Management Studio BEFORE you restore

   the production Databases.
   Attention: at this stage you cannot assign the proper database for each user.

   The users must be created in advance otherwise you will get an error message

   that the user exists already in the database and the user creation might fail.

4.a connect users from SQL server login with DB users =>

   use [redacted] **select database*

   sp_change_users_login 'report' * show all unconnected users*

   sp_change_users_login 'Update_ONE', 'micsales', 'micsales' *connect user =>
   syntax: sp_change_users_login 'Update_ONE', 'DB user', 'SQL User'
   sp_change_users_login 'Update_ONE', 'dwhdirect', 'dwhdirect'

4.b check owner (in SQL 2005 it might be named "Schema" instead of "owner" and

   change DB owner to proper user if necessary => DB was restored with SA user

   but needs to have [redacted] user for ex.

   use [redacted]

   sp_changedbowner [redacted]'

4.c Install Oracle client 9.2.0.1 and copy proper tnsnames.ora.

5. Save DTS Packages from SQL 2000 Server as *.dts file

6. Import/Migrate from saved *.dts file in SQL 2005
Attention: Editing a dts package in SQL 2005 is only possible, if you followed step 3 in this document.

7. Adapt DTS Packages to the new Server name and credentials.

8. take care of ID of DTS packages => after import of DTS packages, you have to select the correct ID => will be documented with printscreens, especially the "load data", otherwise it will fail to load any data from server in Groton.

xx. Backup production Databases from SQL 2000 and restore them in SQL 2005

xx. assign the user rights to the proper database => SQL Server 2005/ Security/Logins.

DTS Packages for specific Databases:

- [redacted]:
    - delete all tables
    - fetch_xxx (14 pieces)
    - load data
    - micsales_purgeshadow
    - micsales_loadshadow
- [redacted]:
    - [redacted]
    - [redacted]
- [redacted]:
- [redacted]: for this DB there are not DTS packages

Considerations:

User [redacted] is used in two different Databases [redacted]): As in SQL2000 these two Dbs were on different servers, the users were associated independently to each database. Does this cause a problem in case we use only one SQL server?

Installation point of view: No - users are associated to two DBs.
To be tested: => behaviour for Enterprise reports, and user connections.

[redacted] Installation on server (add on for importing data to the SQL2005 DB):

- Application: Outsourcing Distribution: gets data from an FTP Server, is scheduled today with Tech-Scheduler.
  (all [redacted] Batchjobs)

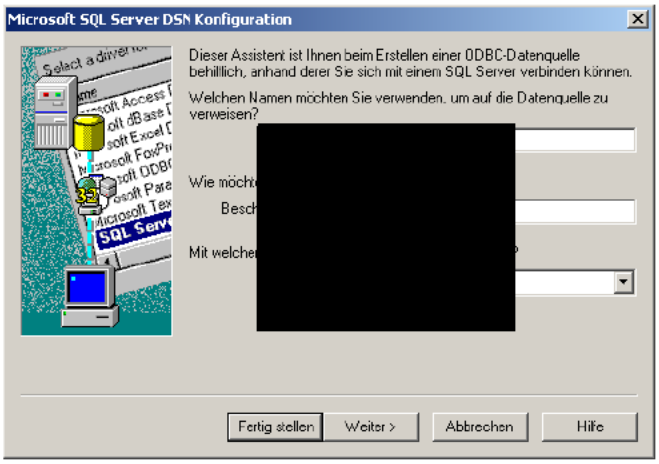
  Application needs Outlook 2003 + Mailbox connection to [redacted] (sends automatically created mails).

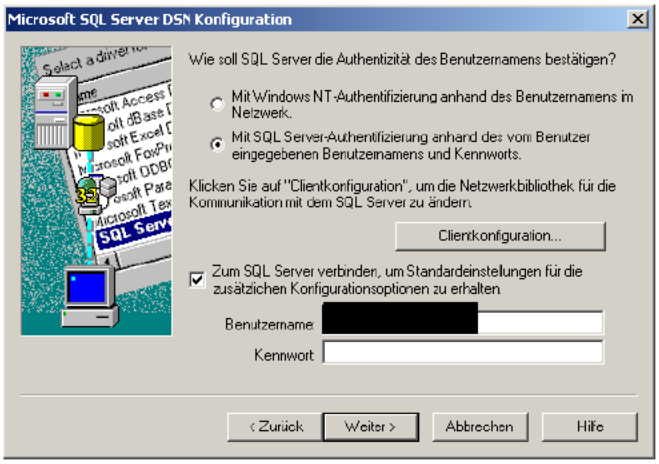
Enterprise Reports:

New Client:

Tasks done (to be able to do a proper testing against the new SQL2005 database):

- install a fresh Windows XP client
- install Office 2000
- setup ODBC connection with the following configuration:





- copy access db "enterprise [redacted]" to the newly installed computer – to be sure that you don't destroy the production environment.
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Migration of [redacted]

1. Make sure that you have SQL 2005 + SPK2 + DTS Designer Components installed
2. create user micsales in SQL => [redacted]
3. start management studio with user [redacted] and restore the database => this is necessary, because the user [redacted] Needs to be the owner of the database.
4. connect micsales user from SQL server login with DB users:

   Use [redacted]
   Sp_change_users_login 'report' => show unconnected users
   Sp_change_users_login 'update_ONE', [redacted] => connect DB user with SQL user login

5. Install Oracle Client 9.2.0.1 and copy proper tnsnames.ora from [redacted]ora92\network\admin of the production server. Path of the oracle installation can be different.
   Source files for oracle client: [redacted]\Oracle_Client_9.2.0.10

6. Import DTS Packages with Import function: you have to import and select every DTS package on its own.

7. open DTS package "load data" and correct the ID's for each package

8. Test DTS package if Oracle connection is working properly. For ex. You take one "fetch …. - DTS Package" and start A test connection.

9. change Stored Procedure where you can find the "exec" - command. This is necessary because the syntax in SQL 2005 Has slightly changed. Add the DB - name.

   For ex.:

   Old syntax: exec RESOURCE_STATUS_SET_ACTIVE_BY_RESOURCE @pRESOURCENAME……

   New syntax: exec [redacted]RESOURCE_STATUS_SET_ACTIVE_BY_RESOURCE @pRESOURCENAME……

9.a Edit DTS Package "load shadow" and "purge shadow". You have to change the syntax of this DTS package in **=> printscreeen**

10. Schedule Batch jobs in Task manager. *Add information from document scheduled jobs!*

11. test the dataload and check the datapurge in the evening.

12. create DB backup Job

Create DB Backup Job:

1. Open Management Studio and login with SA user
2. select Server Objects/Backup Devices/ and create the Backup Device for your Job. This gives SQL the information where
   The backup file should be stored.
   In our case it will be [redacted]

3. select SQL Server Agent and create the backup job
4. schedule backup

Adapted Views and Stored procedures after Migration:

Necessary because of new syntax of sql2005 and server consolidation (views, stored procedures contain hardcoded servernames)

[redacted] **Views to change:**

[redacted]

[redacted] **Stored procedures to change:**

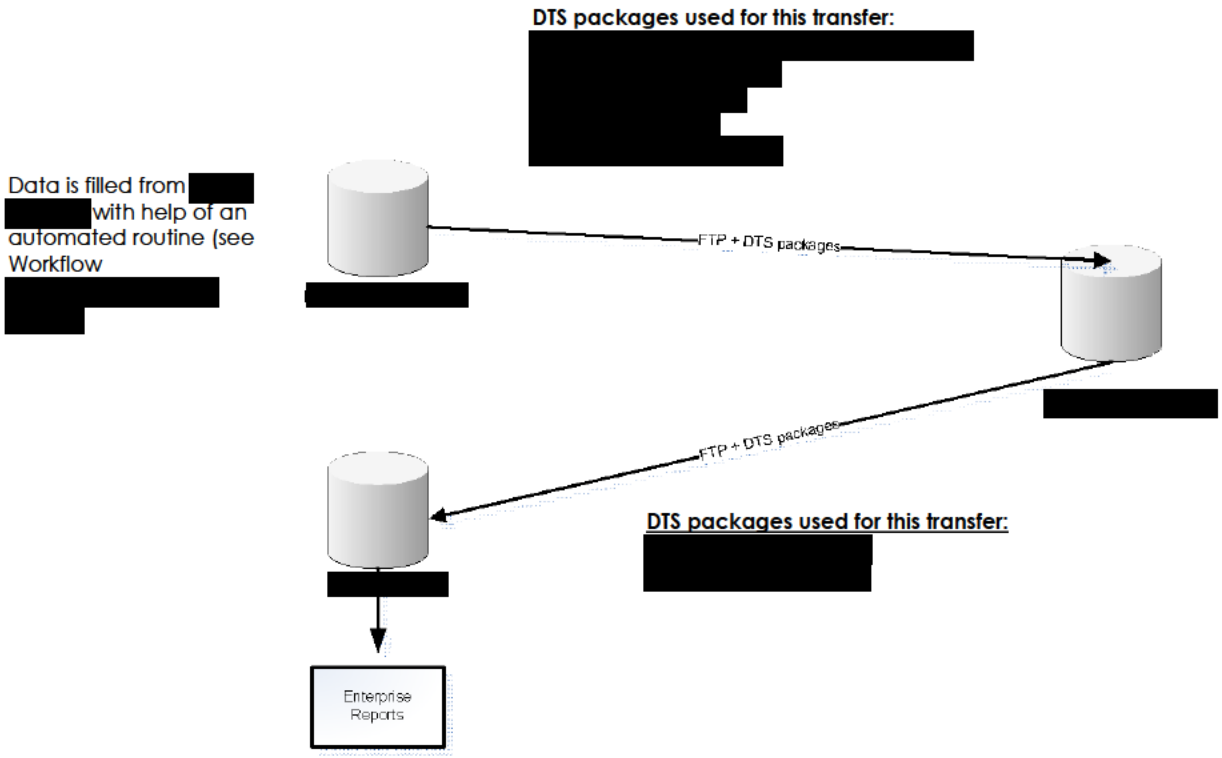
[redacted]

[redacted] **/ Stored procedures to change:**

[redacted]

Migration of [redacted] Database:

Dependencies on [redacted] / [redacted] Database on [redacted]:



User uses Data with help of Enterprise Reports.

1. restore database from sql2000 server
2. export dts packages: see the dts packages from above picture
3. import dts packages and adapt the settings to the new server
4. create directory structure on sql for batchjobs, logfiles.
5.

Scheduled Jobs on VIEVICRM01 for PMT (status until 30.7.2007):

Jobname	Time	Filename	Schedule	User
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

Job dependencies in Batchfiles:

1. JOB[redacted]_Daily.bat => Directory: [redacted] ... startjob for importing data from global Prometeo Source

- ➥ [redacted] ... imports data from global Datasource with FTP connection
  - ➥ get.bat ... gets data from global Server
  - ➥ dtsrun [redacted] ... runs DTS package on SQL server and loads Data

2. JOB[redacted].bat => Directory: [redacted]

- ➥ [redacted]
  - ➥ [redacted]
  - ➥ [redacted]
  - ➥ [redacted] Daten aufbereiten
  - ➥ [redacted]

3. same as step 2 but scheduled for a 2nd time in the evening

4. JOBPMTRPTMonthly.bat => Directory: [redacted]

- ➥ Impor[redacted]
  - ➥ get.bat
  - ➥ dtsrun [redacted]
  - ➥ backup.vbs