UPA Migrator

The UPA Migrator tool is used to correct mismatched RecordID’s between the Social application and SharePoint. A test run should be performed at least once prior to a run against in-use production data.

# UPA Migrator Test Run

These instructions take you through testing the UPA migrator test process to correct for miss-matched user RecordId’s between SharePoint and Skyvera Social. Please note that these steps should be performed on a **backup** of the NewsGator Social and Reporting databases, as well as a **backup** of the SharePoint User Profile database.

To perform a test run of the UPA migrator against all users:

1. Perform a SQL backup of the **NewsGator Social Platform database** and **reporting** database. The names of these databases can be found in **SharePoint Central Administration** > **Application Management** > **Manage Service Applications** > click into **the NewsGator Social Platform Services.** At the bottom of the page, examine the connection string to find the database names. In the screenshot bellow the NewsGator Social DB is outlined in red, and the reporting in indigo:



1. Perform a SQL backup of the SharePoint Profile database. The name of the SharePoint Profile DB can be found in **SharePoint Central Administration** > **Application Management** > **Manage Service Applications** > click next to the User Profile Service application to bring up the ribbon controls, then click **Properties** in the ribbon. In the example below, the name of the **Profile Database** is outlined in red:



1. Restore the backups of the 3 databases you took a backup of in steps 1 and 2 above. Restore them to new databases with new names (for example, you could use ‘\_TEST’ appended to the restored DB’s names). DO NOT overwrite your in-use DB’s with these backups. Record the names of the new DB’s with the restored data.
2. Prepare and execute the UPA Migrator scripts:
   1. Copy **SQL\_UPAMigratorall.zip** to your SQL server or desktop. Right-click, choose properties, and click **unblock**, if applicable. Extract the .zip.
   2. Navigate to the folder to which you unzipped **SQL\_UPAMigratorall.zip**. Open the **SQL\_UpaMigator\_Procs** folder. Connect to the SQL instance using SQL Server Management Studio.
      1. Open in SQL Server Management Studio **SQL\_UpaMigrator\_Services\_Procs.sql**. Execute it against the copy of the NewsGator Social DB you restored in step 3 above.
      2. Open in SQL Server Management Studio **SQL\_UpaMigrator\_Reporting\_Procs.sql**. Execute it against the NewsGator\_Reporting database you restored in step 3 above.
   3. Navigate up one level to the folder which you unzipped **SQLUPAMigratorAll.zip**. Open in SQL Server Management Studio **UPA\_Indexes.sql**. Edit the USE statement on line one so that it has the correct name for your restored **NewsGator\_SocialServices** database. Edit the USE statement on line 42 so that it has the correct name for your restored **NewsGator\_Reporting database**. Execute the query.
   4. Navigate to the **SQL\_UPAMigrator** folder. Open in SQL Server Management Studio **SQL\_UpaMigratorALL.sql**.
      1. Edit **SQL\_UpaMigratorAll.sql** and update **@SPUSerProfileDB** with the name of the SharePoint Profile DB you restored in step 3 above.
      2. Edit **SQL\_UpaMigratorAll.sql** and update **@NGServicesDB** with the name of the NewsGator\_SocialServices database you restored in step 3 above.
      3. Edit **SQL\_UpaMigratorAll.sql** and update **@NGReportingDB** with the name of the NewsGator\_Reporting database. you restored in step 3 above
      4. Execute the Query. Please be patient, this query takes a while to run. As a benchmark, it can run through around 6500 users in 30 minutes.
      5. Once the query is complete, record the time it took to execute. This will provide a benchmark for how long it will take to run against the in-use databases.
      6. Record any errors and share them with your Skyvera contact.
   5. Navigate one level up to the folder which you unzipped **SQL\_UPAMigratorAll.zip**. Open in SQL Server Management Studio **UPA\_DROP\_Indexes.sql**. Edit the USE statement on line one so that it has the correct name for your restored **NewsGator\_SocialServices** database. Execute the query.

# UPA Migrator Production Run

These instructions take you through the UPA migrator process to correct for miss-matched user RecordId’s between SharePoint and Skyvera Social. Please note that the test process outlined in the section above should have been executed first to ensure timing and accuracy of the UPA Migrator fix.

To perform a production run of the UPA migrator against all users:

1. Perform a SQL backup of the **NewsGator Social Platform database** and **reporting** database. The names of these databases can be found in **SharePoint Central Administration** > **Application Management** > **Manage Service Applications** > click into **the NewsGator Social Platform Services.** At the bottom of the page, examine the connection string to find the database names. In the screenshot bellow the NewsGator Social DB is outlined in red, and the reporting in indigo:



Record a name of the **NewsGator SocialServices** and **Reporting** databases.

1. Perform a SQL backup of the SharePoint Profile database. The name of the SharePoint Profile DB can be found in **SharePoint Central Administration** > **Application Management** > **Manage Service Applications** > click next to the User Profile Service application to bring up the ribbon controls, then click **Properties** in the ribbon. In the example below, the name of the **Profile Database** is outlined in red:



Record the name of the **SharePoint Profile DB**.

1. Prepare the UPA Migrator scripts:
   1. Copy **SQL\_UPAMigratorall.zip** to your SQL server or desktop. Right-click, choose properties, and click **unblock**, if applicable. Extract the .zip.
   2. Navigate to the folder to which you unzipped **SQL\_UPAMigratorall.zip**. Open the **SQL\_UpaMigator\_Procs** folder. Connect to the SQL instance using SQL Server Management Studio.
      1. Open in SQL Server Management Studio **SQL\_UpaMigrator\_Services\_Procs.sql**. Execute it against the copy of the NewsGator Social DB you restored in step 3 above.
      2. Open in SQL Server Management Studio **SQL\_UpaMigrator\_Reporting\_Procs.sql**. Execute it against the NewsGator\_Reporting database you restored in step 3 above.
   3. Navigate up one level to the folder which you unzipped **SQLUPAMigratorAll.zip**. Open in SQL Server Management Studio **UPA\_Indexes.sql**. Edit the USE statement on line one so that it has the correct name for your restored **NewsGator\_SocialServices** database. Edit the USE statement on line 42 so that it has the correct name for your restored **NewsGator\_Reporting database**. Execute the query.
   4. Navigate to the **SQL\_UPAMigrator** folder. Open in SQL Server Management Studio **SQL\_UpaMigratorALL.sql**.
      1. Edit **SQL\_UpaMigratorAll.sql** and update **@SPUSerProfileDB** with the name of the SharePoint Profile DB you recorded in step 2 above.
      2. Edit **SQL\_UpaMigratorAll.sql** and update **@NGServicesDB** with the name of the NewsGator\_SocialServices database you recorded in step 1 above.
      3. Edit **SQL\_UpaMigratorAll.sql** and update **@NGReportingDB** with the name of the NewsGator\_Reporting database you recorded in step 1 above.
      4. Save changes to **SQL\_UpaMigratorALL.sql**.
2. Prepare the NewsGator Social platform Services for data correction:
   1. In a web browser, navigate to **SharePoint Central Administration** > **Application Management** > **Manage Service Applications** > click next to (but not on) **the NewsGator Social Platform Services,** which will provide access to the ribbon controls.
      1. Click on **Administrators** in the ribbon**.** Record all administrator users and their exact permissions.
      2. Click on **Permissions** in the ribbon**.** Record all users and their exact permissions.
3. Delete the NewsGator Social Platform Services service application. This will prevent data access while the UPA migrator performs ID correction. To delete the NewsGator Social Platform Services, navigate to **SharePoint Central Administration** > **Application Management** > **Manage Service Applications** > click next to (but not on) **the NewsGator Social Platform Services,** which will provide access to the ribbon controls. Click **Delete** in the ribbon. When prompted to delete the associated data, **DO NOT**.
4. Execute the UPA Migrator.
   1. Open in SQL Server Management studio **SQL\_UpaMigratorALL.sql,** which was edited in step 3 d. above.
      1. Execute the Query. Please be patient, this query takes a while to run. As a benchmark, it can run through around 6500 users in 30 minutes. The test run executed earlier will also provide an estimate.
      2. Record any errors and share them with your Skyvera contact.
   2. Navigate one level up to the folder which you unzipped **SQL\_UPAMigratorAll.zip**. Open in SQL Server Management Studio **UPA\_DROP\_Indexes.sql**. Edit the USE statement on line one so that it has the correct name for your **NewsGator\_SocialServices** database. Execute the query.
5. Re-create the Newsgator Social Platform Services service app. To do so, navigate to **SharePoint Central Administration** > **Application Management** > **Manage Service Applications** > click **New** in the ribbon and select **the NewsGator Social Platform Services**. Provide the correct application pool and supply the database names that you recorded in step 1 above.