OTool from Kinetic Systems Inc.

oTool is a data export utility to assist in migration of Lotus/IBM Notes data. oTool exports only actual attached files from RTFs. It does NOT support export of Notes Formula Fields or inline images.

Field Type	OTool	Comments
Authors	✔	Exported as stored in Notes
Checkbox	✔	If there is more than a single option populated, will be double quoted.
Colour	✔	Exported as a hexadecimal value
Combo Box	✔	If there is more than a single option populated, will be double quoted.
Date/Time	✔	Exported as stored in Notes
Dialogue List	✔	If there is more than a single option populated, will be double quoted.
List Box	✔	If there is more than a single option populated, will be double quoted.
Names	✔	Exported as stored in Notes
Number	✔	Exported as stored in Notes
Password	✔	Exported as plain unencrypted text
Radio Button	✔	Exported as stored in Notes
Readers	✔	Exported as stored in Notes
Text	✔	Exported as stored in Notes. However, since Excel files have a cell character limit of under 255 characters (120 in practice) please be cautious about exporting Text data. If Excel is used as an intermediary tool you may need to parse the text data.
Time Zone	✔	Exported as coded text
Formula	✘	Exported as blank
Rich Text Attachments	✔	Stored in identified folders
Rich Text Embedded Text	✘	Not Supported
Rich Text Embedded Images	✘	Not Supported
Rich Text Light Attachments	✔	Stored in identified folders
Rich Text Light Embedded Text	✘	Not Supported
Rich Text Light Embedded Images	✘	Not Supported

The "Demo Exports" View in the sample data file "oTool Test Data.nsf" shows examples of source data, with descriptions and limitations. Here is an example of an exportable document.

Test Export Document Name: All Fields Export Test 1

Field Type	Sample	Supported	Comments
Authors	Joseph Federer/kinetic	Yes	Exported as stored in Notes
Checkbox	☐ CB1 ☑ CB2 ☐ CB3	Yes	If there is more than a single option populated, will be double quoted.
Colour		Yes	Exported as a hexadecimal value
Combo box	Combo1	Yes	Exported as stored in Notes
Date/Time	2014-03-30	Yes	Exported as stored in Notes
Dialogue List	DL1	Yes	If there is more than a single option populated, will be double quoted.
List box	☑ LB1	Yes	If there is more than a single option populated, will be double quoted.
Names	Fred Flintstone	Yes	Exported as stored in Notes
Number	123456789.123	Yes	Exported as stored in Notes
Password	********	Yes	Exported as plain unencrypted text
Radio button	☐ RB1 ☑ RB2 ☐ RB3	Yes	Exported as stored in Notes
Readers	Wilma Flintstone	Yes	Exported as stored in Notes
Text	Text	Yes	Exported as stored in Notes. However, since Excel files have a cell character limit of under 255 characters (120 in practice) please be cautious about exporting Text data. If Excel is used as an imtermediary tool you may need to parse the text data.
Time Zone	GMT-07:00	Yes	Exported as coded text.
Formula	SELECT ("Fred Flintstone" ="Fred Flintstone") & (Numbers = 123456789.123) & (Categories = "Combo1")& (Dates = [2014-03-30])	No	Exported as blank.
Rich Text	DS_Fahne150.jpg And some text	Attachments	Attachments exported to identified folders. *Embedded images and text will NOT be exported.*
Rich Text Lite		Attachments	Attachments exported to identified folders. *Embedded images and text will NOT be exported.*

Export Data Example

Steps in using OTool to export data from ANY unencrypted Notes database

OTool REQUIRES that the source database have Notes Views to support and potentially format the data. Data accessibility is based on the permissions of the active user.

1) Create a Notes View in the source database which has a column for each required exportable data Field. This View name should NOT have any spaces, but may be hidden.
2) This View may have selection criteria or Column Formulas.
3) This View must be flat and have at most a single sorted column.

Creating an Export View in the Source database

For the Attachments export, it is desirable to create a second View.

4) This View should be filtered to show only documents with attachments. This View name should NOT have any spaces, but may be hidden.
5) This View should contain only required identification Fields. These Fields are not used in the export.
6) This View must be flat and have at most a single sorted column.

Creating an Export View for Attachments in the Source database

The export process is defined in an "Xport Information" document in this database. A single document defines the export parameters for a single source database. The following are required:

7) The fully qualified Server name. For example: "**CN=Dev2/O=kinetic**". Leave this field blank for Local.
8) A fully qualified Source Database path. It should have double "\\" in the path. For example: "**c:\\NotesData\\Otool.nsf**" for a Local database, "**KSI\\KSI_CRM\\IENGroupCal.nsf**" for a Server database. In the case of a Server source database, the path is in reference to the Server's Data Directory.
9) The name of the View which defines the CSV export fields. This View name should NOT have any spaces. This is the View created in Step 1.

Once the base criteria are defined, run a test pass.

10) Click on "Get Row Columns"
11) The Rows, Columns, and Field Names will show in the status area at the bottom.

Data Export Name:	Test All Fields	

Xport Information		
Basic Information		

Server eg: CN=Dev2/O=Kinetic		Leave blank for Local, or enter the fully qualified Server name
Full Database Path eg: D:\\IBM\\Lotus\\Notes\\Data\\2014-03-16.nsf	**c:\NotesData\OtoolTestData.nsf**	Full database path with double "\\"
View Name eg: vwDBMigrate	**vwFieldTypes**	View name (can be a hidden View)
	Get Row Columns	

Creating an Export Definition for a Local database

If this pass is successful, enter the following information:

12) The Folder Path of the exported data. This MUST be at the first level of the file system. For example "C:\OTool_Test".
13) The maximum number of lines in each CSV file. Both CSV files and Excel files have a 32k line limit. The default is 30,000
14) Choose a multi-value separator. The default is "~"

You are now ready to export text data.

15) Click on "Create CSV"
16 Confirm that there is a CSV file created in the location you specified in step 12. If there are more Notes Documents in the source View than the number specified in Step 13, there will be several CSV files, named sequentially.
17) A Status result will show in the status area at the bottom.

CSV Information

Exports any Lotus Flat view to any folder on your hard drive as CSV file. If the number of exported Documents exceeds the specified Number of Rows, additional CSV files will be created.

Your Folder Path (one level only) eg: D:\FolderName	C:\Temp	Path to Results folder. This will be created if it does not exist.
Number of Rows in CSV file Maximum 32k (32767)	30000	Maximum results Rows in each CSV file. Maximum 32k.
MultiValueSeparator eg: "~"	~	Separator for multiple values in CSV.
	Create CSV	

CSV Export

Notes:
  a) Multi-Value fields (Checkbox, Dialogue List, List Box) are exported surrounded by quotes. In the case of multiple values, there will be double quotes. These may be removed with a Search and Replace process in a text editor.
  b) Colour field values are exported as a hexadecimal value.
  c) Password field values are exported as plain text.
  d) Since Excel files have a cell character limit of under 255 characters (120 in practice) please be cautious about exporting Text data.

To export attachments, you may use the same View as for the text export, or the one you created in Steps 4-6.

18) Enter the name of the Attachments View if it is different than the Text Export View.
19) The Attachments Export base folder is usually the same as for the Text Export. Change if required.
20) Click on "Migrate Attachments"

A status summary will appear in status area at the bottom.

Attachments Information

Exports attachments from any Lotus Flat View to any folder on your hard drive. A folder will be created for each Document in the View. Any Attachments in a Document will be placed in the corresponding Folder.

Lotus Full Database Path eg: D:\\IBM\\Lotus\\Notes\\Data\\2014-03-25.nsf	c:\NotesData\OtoolTestData.nsf	Full database path with double "\"
Your Folder Path (one level only) eg: D:\FolderName	C:\Temp	Path to Results folder. This will be created if it does not exist.
View Name eg: vwDBMigrateAtt	vwFieldTypes	View name (can be a hidden View)
	Migrate Attachments	

Attachments Export

A folder will be created within the folder specified in Step 12 or 19. There will be a folder for each Notes Document which has attachments. If a Notes Document has more than one attachment, all the Attachments will be within one folder. Each Folder has a name which is the Doc UNID of the source Notes Document. There may be Attachments which cannot be exported using OTool. These will be identified in the Status Summary. These will need to be exported manually, These Attachments or the Notes Document may have some corrupt elements.

Data Export Name:	Test KSI Activities LOCAL	

Xport Information

Basic Information

Server eg: CN=Dev2/O=Kinetic		Leave blank for Local, or enter the fully qualified Server name
Full Database Path eg: D:\\IBM\\Lotus\\Notes\\Data\\2014-03-16.nsf	C:\\NotesData\\KSI\\KSI_CRM\\IENGroupCal.nsf	Full database path with double "\\"
View Name eg: vwDBMigrate	(ExportAllActivities)	View name (can be a hidden View)
	Get Row Columns	

Source Information

Rows	5773	Number of Rows found in specified View
Columns	6	Number of Columns found in specified View
Column Names	Type Date Subject Contact Creator UNID	Column Names found in specified View

CSV Information

Exports any Lotus Flat view to any folder on your hard drive as CSV file. If the number of exported Documents exceeds the specified Number of Rows, additional CSV files will be created.

Your Folder Path (one level only) eg: D:\FolderName	C:\iExtExport	Path to Results folder. This will be created if it does not exist.
Number of Rows in CSV file Maximum 32k (32767)	30000	Maximum results Rows in each CSV file. Maximum 32k.
MultiValueSeparator eg: "~"	~	Separator for multiple values in CSV.
	Create CSV	

Attachments Information

Exports attachments from any Lotus Flat View to any folder on your hard drive. A folder will be created for each Document in the View. Any Attachments in a Document will be placed in the corresponding Folder.

Lotus Full Database Path eg: D:\\IBM\\Lotus\\Notes\\Data\\2014-03-25.nsf	C:\\NotesData\\KSI\\KSI_CRM\\IENGroupCal.nsf	Full database path with double "\\"
Your Folder Path (one level only) eg: D:\FolderName	C:\iExtExport	Path to Results folder. This will be created if it does not exist.
View Name eg: vwDBMigrateAtt	(ExportAllActivities)	View name (can be a hidden View)
	Migrate Attachments	

Results Summary

CSV Status	Document exported: 30 CSV files created : 1	Number of Documents Processed.
Attachment Status	BACD3278DEB92A4E8725762300083F87\STG43779 ::Cannot extract objects or objectlinks Total Documents Processed : 5773 Total Folders Created : 1214 Total Attachments Migrated : 1923	Status of Exported Attachments, with errors if any.

Full Definition and Status Screen

Any number of additional Notes databases may be migrated by creating additional Xport Information documents, one per export set.

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