

OpenOffice/StarOffice – Migration, a methodology in a professional environment

Herzlich Willkommen.



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What you will see, and what you will not see ...

- You will see ...
 - how to handle a migration project,
 - which risk factors should be covered (out of experience),
 - with which process, tools or tasks
 - for companies with more than x00 employees (Office users)
- You will not see ...
 - technical issues in detail (how could I do this or that with SO/OOo)
 - a guaranty for successful migration (every migration is a risk) but a better chance for it
 - solutions but a roadmap to solutions (because they are individual)

Lower TCO – the big chance of the migration, but ...

Parameter

# Workplaces	500
Licenses	Euro
StarOffice	54
MS-Office Upgrade	190
MS-Office new License	340
Maint./Assurance	Euro
StarOffice	23
MS-Office	112
Personnel Costs	Euro
Employee	500
Consultant ext.	1000
Education	
Training MS-Office [day]	0,5
Training SO [day]	1,0
Employee to be trained	50%
Participant/Track	10
Trainer int./ext.	80%
PowerUser	5%
# Days PowerLicar	5,0
A diamenti and	Name days
Migration new MS-Office-Version	Man day 20
StarOffice	50 50
StarOffice StarOffice	50 150
StarOffice	300
StarOffice	300

Variants:	Buy+Ass. MS	SO 50	SO 150	SO 300
StarOffice-Migration	-	Х	Х	Х
Purchase MS-O 1. year	X	-	-	-
Upgrade MS-O 1. year	-			
Buy MS-O every N years	-	-	-	-
Software Assurance	x	x	X	х
Upgrade every N years	3	3	3	3
				=
Costs Types:		SO 50	SO 150	SO 300
Trainer	14.625	21.750	21.750	
Training Employees	121.875	181.250		
New License Fee	170.000	27.000	27.000	27.000
Upgrade MS-O 1. year	0	0	0	-
Renewal/Maintenance	56.100	11.500		
Deployment	7.500	7.500		
Migration	10.000	50.000	150.000	300.000
Carta I va a m	D A MC	60.50	60.450	60.200
Costs / year:	Buy+Ass. MS	SO 50	SO 150	SO 300
2003		299.000	399.000	
2004		11.500		
2005		11.500		
2006		165.500		
2007		11.500		
2008	56.100	11.500	11.500	11.500
Costs cumulated:	Buy+Ass. MS	SO 50	SO 150	SO 300
2003		299.000		
2004		310.500		
2005		322.000	422.000	
2006		487.500	587.500	
2007		499.000		
2008	814.600	510.500	610.500	
Extra Charge MS-Office:	0	304.100	204.100	
Extra Charge / Year:	0	50 683	34 017	9 017

What, if ...?

Deployment/Roll-Out	Man day
MS-Office	15
StarOffice	15

When do you want to gain from lower license fees?

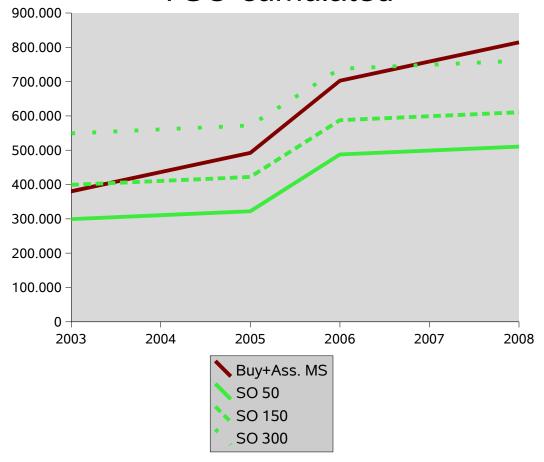


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PowerUser	5%
# Days PowerUser	5,0
Migration	Man day
new MS-Office-Version	20
StarOffice	50
StarOffice	150
StarOffice	300

Deployment/Roll-Out	Man day	
MS-Office		15
StarOffice		15

TCO cumulated





The three migration risk areas (the three p's)

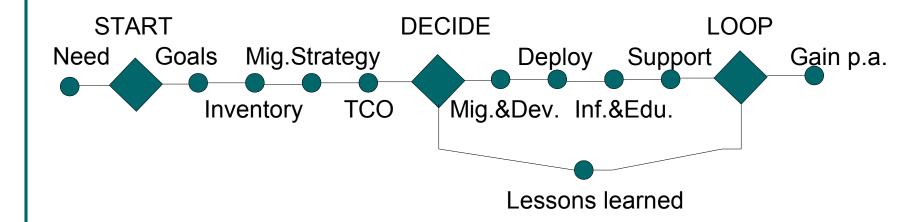


- People:
 - Management
 - Admin & support
 - Users
 - Partners & customers
- O Processes:
 - Workflow impacts
 - Interdependencies
 - Exceptions & conflicts
- Products & Technology:
 - Feature set, concepts
 - User experience
 - 3rd party applications





The Step-by-Step-.riess-Methodology



"It's not just the path, ..., but it's also the path"







Define, what are your Goals of the migration

Give an answer for: Why should we touch a running system?

- Innovation
 - More Transparency in the file format, extend office features
 - Improve the independence of the Office suite
 - Reduce the license fees or administration costs
 - ... (individual Goals)
- Consolidation (constraints)
 - Consolidate your files and templates
 - Access to old documents must be guaranteed
 - Integration of new Office suite in established workflows (not v.v.)
- ... and not a one to one migration



Inventory (1)

- Important: As-is Analysis for hardware and software -environment and documents
- Typical customer status:
 - just one Office product (e.g. M\$ Office)
 - a lot of old documents from different Office versions
 - a lot of old versions of the same document
 - a lot of related templates (e.g. a time sheet) for each team, group, project, ...
 - few documents, which are used permanent or less than 3 month ago (< 15% of all)
 - important documents are stored central <u>and</u> local
- Which changes in hardware and software are planned?



Inventory (2)

- Identify amount of files, classify which are complex, medium or easy to migrate (Analysis wizard) and why
 - Amount of files vs amount of templates
 - Macro programming
 - Layout or format issues ...
- Workshop with representatives of user groups
 - Inform (differences, features, licenses, private use, ...)
 - Ask about workflows, document usage, 3rd party applications, "co-edit" workflows (sharing doc's)...
 - Get examples of templates (doc/dot, xls/xlt, ppt/pps)
- Migrate such example-documents and value the results



Migration Toolkit

Installation with self-running jar.



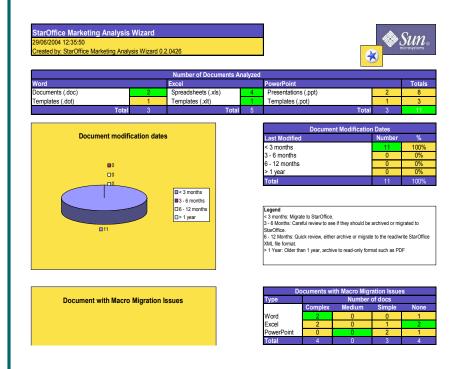
- Installed Tools:
 - Document Analysis Wizard
 - Macro Migration Wizard with preparation tool





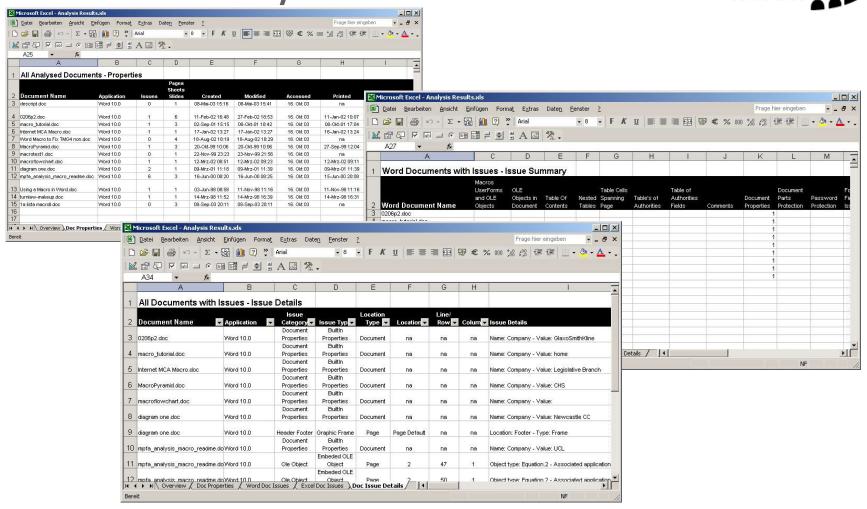
Light-Version for File-Analysis

The results of the Analysis Wizard



ligration Is	sues Analyzed			Ho	urs Per MD =	7			
pplication	Issue Category	Issue Type	Additional Weighting Factors	Cost per Issue or Factor (min)	Complex Issue	Issue Count	Prepared Issue Count	Factor Count	Costs (min)
ord	Changes And Reviewing								
	Content And Document Properties	Comment		0	False	0			0
		Document Custom Properties		2	False	8	8		16
		Document Parts Protection		0	False	0			0
		Document Summary Properties		1	False	8	8		8
Production		Invalid Password Entered		0	False	0			0
		Mail Merge Datasource		10	True	2			20
Controls	Controls	Password Protection		1	False	2			2
	Fields	Appearance		0	False	2			0
		Form Field		5	True	6			30
		Mail Merge Field		0	True	10			0
		Table Of Authorities Field		0	False	6			0
		Table Of Contents		0	True	0			0
	Format	Custom Bullet List							
	Indexes And References	Table Of Authorities		0	False	2			0
		Table Of Contents		10	True	2			20
	Objects Graphics And Frames	Object In Header Footer		1	False	2	2		2
	Portability	External References in Macro - Module Class or UserForm	Number of Modules	0	True	2			0
			Number Of External References	0	1100			4	0
		Embedded GLE Object		0	True	2			0
		Linked OLE Object		10	True	2			20

StarOffice Analyse-Toolset



Define the migration strategy out of the inventory

Estimation (% of documents,) out of the inventory:

- Define the criteria of documents for: just archived % (PDF?), which must be migrated %, by which way and which one have do be created new
- Migration by Experts % (automatic, by hand)

Migration by User % (load with SO/OOo, (correct), save)

| | \/ | end of adhoc-Migration

<---- Problems %

- After the adhoc-Migration for archived files there must be a Trouble Shooting: 1st Level internal experts
 2nd Level external experts
- Decide about the coexistence strategy, the support, how to handle MS-Access applications, what to do with the 3rd party applications ...



TCO – Which cost driver must be covered?

- License fees (in different scenarios of coexistence) (per user)
- New hardware investments needed? (€)
- 2nd & 3rd level support costs (% of license fee)
- Training costs for different user groups (power user!) (Training with #days)
- Migration costs (there are also costs, if you just update the office version) (#days)
- Rollout and maintenance of one or two office products (#days)
- o ... and a lot of individual cost drivers (3rd party app.s ...)



Example for TCO/ROI: Insurance (500)



# Workplaces	500
Licenses	Euro
StarOffice	54
MS-Office Upgrade	190
MS-Office new License	350
Maint./Assurance	Euro
StarOffice	23
MS-Office	115
Personnel Costs	Euro
Employee	500
Consultant ext.	1000
Education	
Training MS-Office [day]	0,5
Training SO [day]	1,0
Employee to be trained	50%
Participant/Track	10
Trainer int./ext.	80%
PowerUser	5%
# Days PowerUser	5,0
h.4:	
Migration	Man day
new MS-Office-Version	30
StarOffice	180

Deployment/Roll-Out	Man day	
MS-Office		15
StarOffice		15

Variants:	New Buy MS	Buy+Ass. MS	StarOffice
StarOffice-Migration	-	-	Х
Purchase MS-O 1. year	Х	X	-
Upgrade MS-O 1. year	-	-	
Buy MS-O every N years	4	-	-
Software Assurance	-	х	X
Upgrade every N years	-	3	3

Costs Types:	New Buy MS	Buy+Ass. MS	StarOffice
Trainer	14.625	14.625	21.750
Training Employees	121.875	121.875	181.250
New License Fee	175.000	175.000	27.000
Upgrade MS-O 1. year	0	0	(
Renewal/Maintenance	0	57.500	11.500
Deployment	7.500	7.500	7.500
Migration	15.000	15.000	180.000

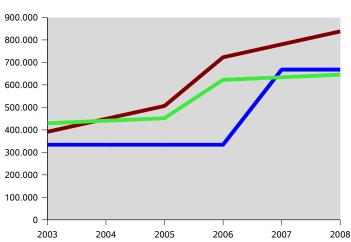
Costs / year:	New Buy MS	Buy+ASS. MS	StarOnice
2003	334.000	391.500	429.000
2004	0	57.500	11.500
2005	0	57.500	11.500
2006	0	216.500	170.500
2007	334.000	57.500	11.500
2008		57.500	11.500

Costs cumulated:		New Buy MS	Buy+Ass. MS	StarOffice
2	003	334.000	391.500	429.000
2	004	334.000	449.000	440.500
2	005	334.000	506.500	452.000
2	006	334.000	723.000	622.500
2	007	668.000	780.500	634.000
2	800	668.000	838.000	645.500

Extra Charge MS-Office:	22.500	192.500	0
Extra Charge / Year:	3.750	32.083	0



TCO cumulated





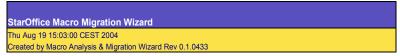


Migration & Development (3)

- Project tailoring for migration and rollout
 - Integrate office in ERP, CRM, ...
 - Develop a toolset for different problems (like "data sources" solutions for Access-DBs)
 - Migrate & develop per branch/unit/user group...
 - Do a short As-is-analysis per branch/unit/user group... and validate your strategy (Risk: suddenly there are new road blockers like never seen 3rd party applications, databases ...)
- Migrate templates in different ways:
 - With Migration tool (batch) or by hand (adhoc, when used)
 - Complex templates could also be new developed (Chance for consolidation and new features)



Migration Wizard (automated document & macro conversion)



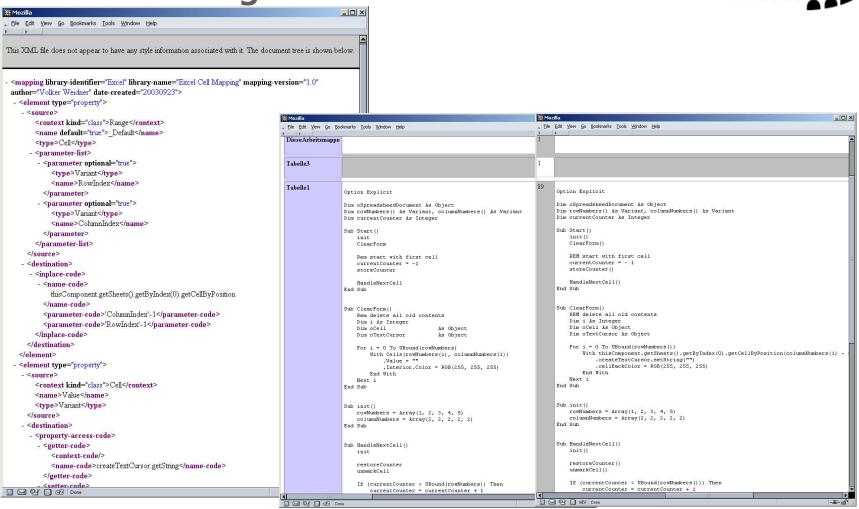


Document Summary								
Documents processed	Without Macros		9					
	With Macros	Fully processed	5					
		Processing issues [refer to Errors and Warnings]	1					
	Document Errors	Migration Errors [see below]	1					
		Total	16					

View Original and Migrated Macro Code

		Overview				
Name	Library	Module	Line Count		Number of Procedures	Path
	5t Standard	<u> </u>	24	1	0	C:
	Standard		354	152	13	C:
	n/a		0	0	0	C:
	Standard		22	13	3	C:
	Standard		192	127	2	C:
	Standard		130	94	8	C:
	Standard		38	25	6	C:
	Standard		20	12	3	C:
	Standard		33	21	7	C:
	Standard		11	8	1	C:
	Standard		198	150	3	C:
	Standard		46	34	9	C:

StarOffice Migration-Toolset







- XML/standard based file format (vs. proprietary file format)
- Implement business logic out of office suite
 - via UNO API
 - and the Java UNO Wrapper for easier API programming



JavaUNOWrapper

 Migration of Access-DBs to a standard DBMS (with stored procs & triggers) and usage of the OOo/SO data pilot functions for the user interface (n-tier applications)



Beside the technical migration ...

- Risk factors beside the technical migration issues
 - Lack of competence in consolidation decisions
 - Technical issues are used for politics
 - No user time frame for migration tasks (daily business first)
 - Faults in the migration are used for a bad product image
 - No or bad reporting for project controlling

Need: Good project management and customer internal management support



Inform & Educate

- Inform about ...
 - Why do we migrate? (Goals, costs)
 - Similarities and differences with the old office suite
 - Free availability of OOo for private usage (also with a business SO-license)
 - Successful migration of other units/groups/teams ...
- Training concepts
 - for different user groups different training (normal 1 day, power 3 days) -> often it's the first office course for normal users
 - Train the new macro/basic programming language
 - Train the trainer concept? (promote new experts)
 - make office suite documentation available



Deployment & Rollout

- Migrated templates and files in the same directory structure
- Desktop or Server Installation ?
 - Desktop (CPU,RAM, OS)
 - Server (via Citrix-Metaframe, chance for reduced administration tasks)
 - User groups with both worlds (Linux desktop with vmware)
 - •
- Software logistics (test it with logging and response information from the desktop)

Support

- Different support level:
 - 1st level identified expert,
 - 2nd level it-department (motivation for the old support staff)
- You will need a 3rd level support for mission critical office use:
 - a lot of professional companies,
 - SUN delivers the same SO-support for OOo for a fee
- Deliver a maximum support during the first 3 month after the migration like a floor service (and you will gain 50% more convenient office user)
- Deluxe: Support the power user with macro programming
- ... and you will gain the same flexibility for power user as with the old office suite



For further information contact...

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...or in the exhibition area frankfurt/M 28th October in the exhibition area LinuxWorld (Hall 4.0 A06)



Java UNO Wrapper

The full version of the Java UNO Wrapper generates and compiles all required wrapper classes on the fly while programming against the UNO interface. Using these wrapper classes improves the Java programming of StarOffice / OpenOffice in a couple of ways:

- * Simplified socket connection with StarOffice / OpenOffice
- * Simplified access to ComponentFactory and Desktop
- * Encapsulates access to slot commands and filters
- * UNO services / objects directly accessible through wrapper classes, containing all services, Interfaces, methods, factories and properties.
- * Methods for property access have strong typed signatures.
- * Wrapper methods are completely documented using Javadoc and have readable namings by extracting all required informations from the IDL files, that are part of the OpenOffice SDK.

JavaUNOWrapper