

SAP Content Migration

Successfully migrate archived documents & data

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A Tech Mahindra Company

Contents

About Tenzing	03
Migration background	06
SAP report	09
nexQuent Saveno <i>Migration Suite</i>	12
Auckland Council Success Story	25
A typical migration project	29

About Tenzing



About Tenzing

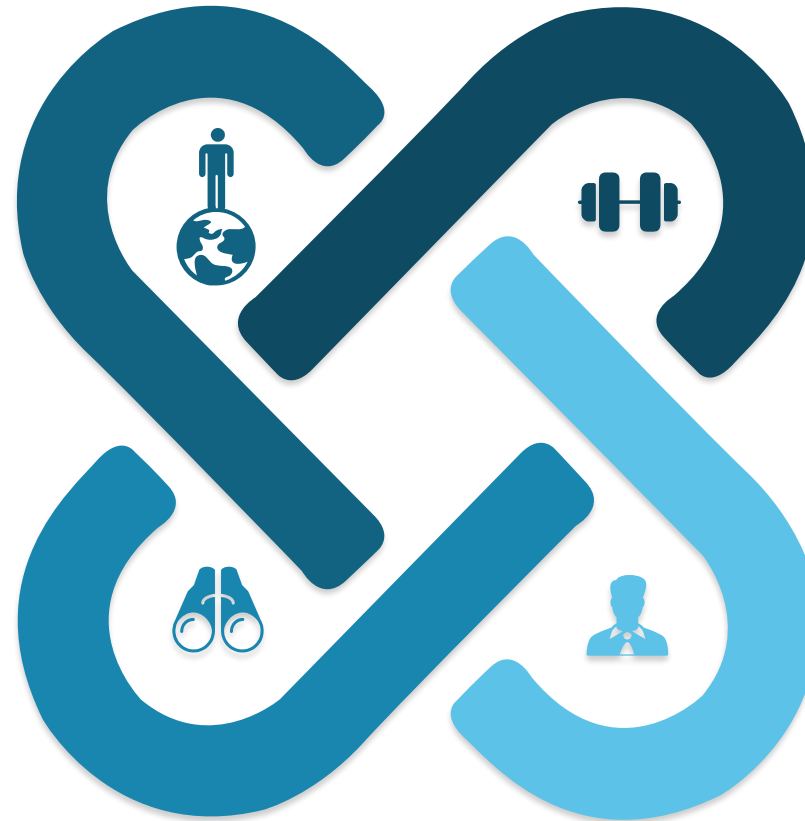
LOCAL

A NZ based management and technology consulting firm

Formerly KPMG Consulting & BearingPoint

CAPABILITIES

Management Consulting (MC)
Information Services (IS)
Technology Services (TS)
Managed Services (MS)



SHERPAS

'Sherpa' ethos – helping our clients to be successful and putting in the hard yards to get the job done

SCALE

We have over 130 permanently employed staff across Auckland, Wellington and Sydney

As part of Tech Mahindra, we have access to their broad experience and IP as well as SAP professionals. Tech Mahindra is an SAP Global Strategic Service Partners and is in the SAP business since 1997.

What we do

Financial Services		Commercial Services		Public Services	
Core Banking	Insurance	FMCG	Telco & Utilities	Local Government	Central Government
▼	▼	▼	▼	▼	▼
Service Line		Service Line Focus		Partners	
Management Consulting		Strategic Change Management, Business Process Improvement		UiPath	
Information Services	Data Science	Advanced Analytics, Operational Analytics, Data Engineering, Visualisation, Governance & Operating Model		AWS, Azure, Cloudera, Qlik, SAS	
	Data Modernisation Services	Data Governance, Data Modelling, Data Migration, Data Warehouse & BI, Master Data Management		IBM, Oracle, Informatica, Microsoft, SAS, Snowflake, Talend	
	Digital Content Services	Enterprise Content Management, SAP Archiving & ILM, Data & Content Migration, Information Strategy & Governance, Robotic Process Automation (RPA), Advanced & Dynamic Case Management		OpenText, nexQuent, IBM (FileNet), Microsoft, Hyland, fme, Eccentex, Ephesoft, Pegasystems	
Technology Services		Integration & Development, Architecture, Java, .NET, Blockchain		AWS, Blockchain, Guidewire, Mulesoft	
Managed Services		Help Desk, Application Management			

Migration background



Drivers for migrations

The migration of archived SAP data and documents can be necessary due to different reasons:

- Change of software vendor
- License cost savings
- Storage replacement
 - e.g. EMC Centera's end of service life in March 2023
- Performance improvements
- Reduce maintenance costs
- Cloud strategy
 - e.g. move archive system / storage to AWS or Azure

Key requirements for SAP content migrations

Any migration process should ensure the following factors:

1. Completeness
2. Security/reliability
3. Traceability
4. Robustness (deal with system outages and technical problems)
5. Flexibility to consider production operation
 - Complete migration off all relevant archive files/documents without impacting the production environment
6. Performance

SAP report



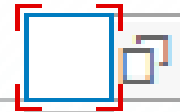
SAP report (OSS note 1043676)

SAP provides a report to migrate ArchiveLink documents:

1043676 - Migration of ArchiveLink Documents



OLD_ARC



NEW_ARC



TEST_RUN

DEL_FILE

→ This report has a lot of restrictions and is not audit-compliant

Risks & issues

Use of SAP report can be risky, especially when dealing with large data volumes:

1. Report doesn't cover archived SAP data (ADK files)
2. KPro/SAP DMS documents not supported by SAP report. CRM/SRM documents are stored via KPro!
3. Report doesn't migrate additional ArchiveLink attributes from table TOAAT.
4. It doesn't cover custom-specific tables with link entries („generic tables“)
5. Limited traceability and verification of migration process
6. Only selection parameters for Old Content Repository and New Content Repository, i.e. no further parameters available to facilitate load capacity planning
7. For large content repositories, the report will run very long (several days/weeks). No clean stop/restart mechanism
8. No definition of timeframes, e.g. after business hours only or to consider backup windows/downtimes
9. No option for parallelism which results in much longer duration of migration process
10. ArchiveLink documents can be linked to multiple SAP Business objects. The SAP report doesn't consider multiple links and duplicates documents (→ additional data volume in target)
11. From an audit perspective, the report doesn't provide proof of completeness and correctness. It only checks whether the source document is online/accessible.
12. Report doesn't catch error situations properly, i.e. an error/interruption might cause an inconsistency or data loss. Also, 0-byte files are not recognized.

nexQuent Savento
Migration Suite




nexQuent Savento Migration Suite

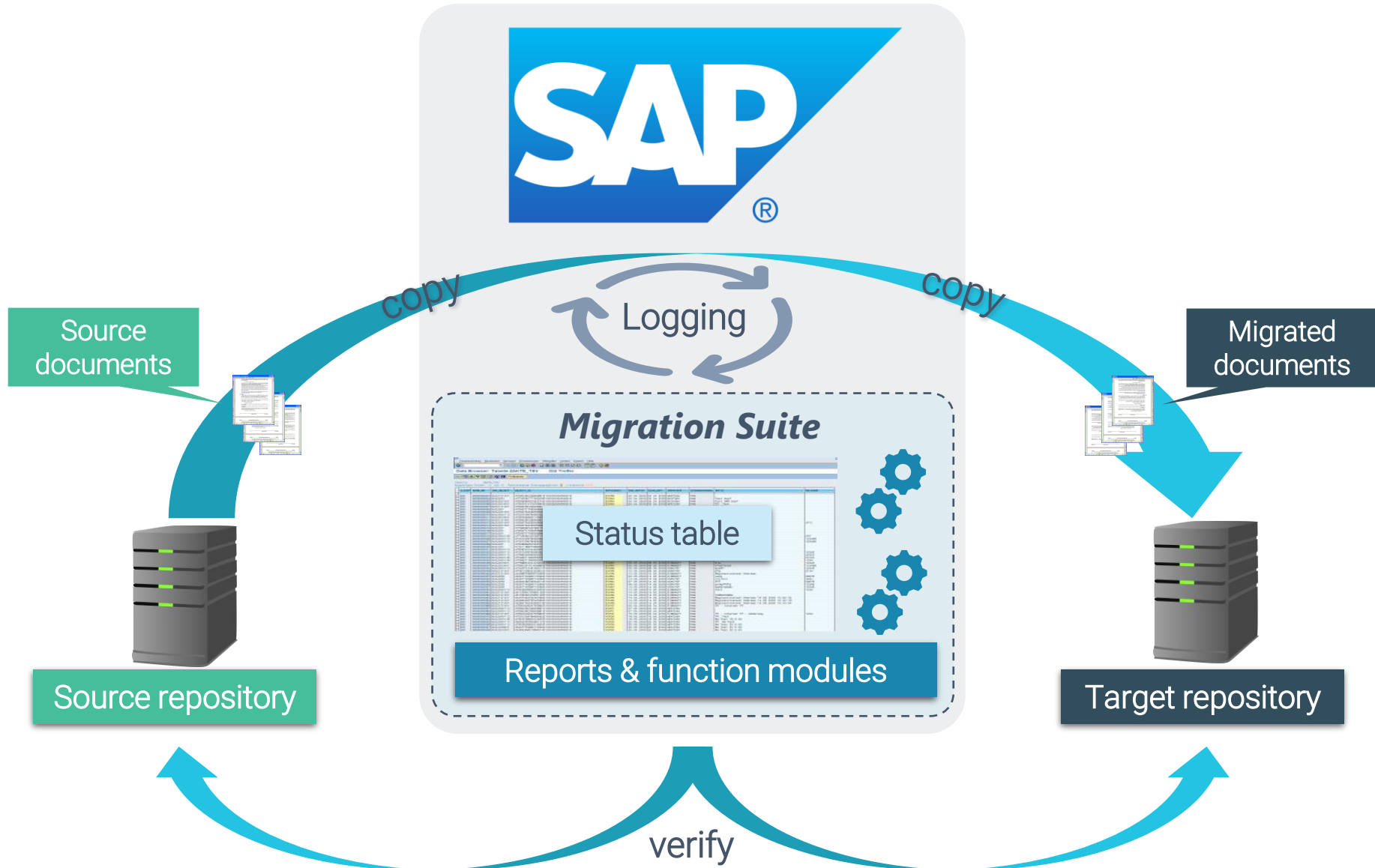
Instead of using the SAP report, Tenzing recommends to use a well-proven tool specialized on complex SAP document migrations such as the nexQuent Savento *Migration Suite*.

- No additional infrastructure/hardware required as **Migration Suite runs purely in SAP** utilising standard **SAP ArchiveLink function modules**
- Multi-step procedure:
 - **Copy** from source to target
 - **Verify** each copied document
 - **Switch** link entries to target system
- Intensive logging
 - Results of **all steps are logged in central migration status table**
 - **Saving selection parameters** of migration jobs as well as **job results**
- Migration of **ArchiveLink, KPro/SAP DMS documents, ADK files** as well as link entries of custom-specific scenarios / add-ons of 3rd parties
- **Securing parallel operation** of source/target system
 - „Mixed operation “ possible: **Switch of individual content repositories or document types** to the target system can selectively be done before or after finalising the migration
 - **Fallback** to old archive environment feasible at any time
- **Minimal administrative effort** (cockpit available to automate migration process)

Additional key features

- **High level of robustness**, e.g. exact restartability in case of errors
 - No losses / inconsistencies when read or write access issues
- **Low impact of the SAP system**, i.e. no measurable load of the SAP system, only I/O
 - But: Heavy load on archive systems (source/target) possible
- **Parallelisation** of migration jobs for increased performance
 - Scalability of the migration speed
 - But: Source archive & connected storage often have hard-/software related constraints, e.g. max. 3 parallel jobs
- **Comparison of metadata / checksums**
 - Securing consistency and integrity
 - Proof of identical document copies and retrievability from the target archive:
checksum source document →  ← *checksum target document*
identical?
- **Special checks for ADK files** (archived SAP data)
 - Checksum comparison plus content checks of ADK files

Migration process in detail



Step 1 - Copy process (ArchiveLink documents)

- All ArchiveLink relevant selection parameters are available for migration
- Extended options to improve migration process, e.g. limit migration throughput
- Time windows can be defined for copy process

Archive Migration: Copying of Documents

🕒 🗂️

Selection

Error Handling

Source/Target

Source ContRep ID	<input checked="" type="checkbox"/>
Source connection table	<input checked="" type="checkbox"/>
Client (for source conn. tab.)	<input type="checkbox"/>
Target ContRep ID	<input checked="" type="checkbox"/>
Target connection table	<input checked="" type="checkbox"/>

Selection Criteria

SAP Object Type	<input checked="" type="checkbox"/>		
Document Type	<input type="checkbox"/>		
Archiving Date	<input type="checkbox"/>	to	<input type="checkbox"/>
SAP Object ID	<input type="checkbox"/>	to	<input checked="" type="checkbox"/>
Document ID	<input type="checkbox"/>	to	<input checked="" type="checkbox"/>

Extended Options

<input type="checkbox"/> Keep document ID	
<input checked="" type="checkbox"/> Sort by archiving date	
<input checked="" type="checkbox"/> Only log errors	
<input type="checkbox"/> Compare MIME type	
<input checked="" type="checkbox"/> Check link table duplicates	
<input checked="" type="checkbox"/> Calculate hash	
<input type="checkbox"/> No retry on error	
<input checked="" type="checkbox"/> Log duration	
Package size	50.000
Path for Copying	
Max. Errors (abort then)	10
Max. number of Docs to copy	
Max runtime (in sec.)	85.500
Log file (with path)	
	doc_copy_%CREP_SRC%_%SAP_OBJECT%.log
Send spool via E-Mail to	
<input type="checkbox"/> Send e-mail only on error	

No Migration in these Time Windows

Monday:	00:00:00	to	00:00:00	<input type="checkbox"/>	Invert time window
Tuesday:	00:00:00	to	00:00:00	<input type="checkbox"/>	Invert time window
Wednesday:	00:00:00	to	00:00:00	<input type="checkbox"/>	Invert time window
Thursday:	00:00:00	to	00:00:00	<input type="checkbox"/>	Invert time window
Friday:	00:00:00	to	00:00:00	<input type="checkbox"/>	Invert time window
Saturday:	00:00:00	to	00:00:00	<input type="checkbox"/>	Invert time window
Sunday:	00:00:00	to	00:00:00	<input type="checkbox"/>	Invert time window

Step 1 - Copy process (ArchiveLink documents)

- Error handling tab offers enhanced options to deal with – usually source system-specific – errors
- Various copy methods offered

Selection
Error Handling

Handle Error on Copying

Number of retries	
Sleep seconds btw. two tries	1

- Activate for error code 1
- Activate for error code 2
- Activate for error code 3
- Activate for error code 4
- Activate for error code 5
- Activate for error code 6
- Activate for error code 7
- Activate for error code 8
- Activate for error code 9
- Activate for error code 10
- Activate for error code 11

Special cases

No retry on special errors (FM SCMS_AO_STATUS with source document):

HTTP Statuscode 404: not found

Copy methods (alternative copying / change only in case of errors)

1) Combination:
Method 3 on one component / method 2 on several components

2) Copy directly (HTTP)

3) Read into internal table
Retention in target content repository must not be activated if more than one component available.

4) Read into file

5) Copy for RFC cont.rep.
Copy for RFC archive with version 31 (SCMS_AO_COPY)

6) Copy for RFC cont.rep. 2
Usw own copies function module of FM SCMS_AO_COPY if FM SCMS_AO_STATUS returns no component table.
Option "Keep document ID" has no effect if you use method 5 or 6!

Replace COMP ID with .. (only valid for copy method 3 or 4)

No replacement

fixed value

Component name




Replace only if COMP ID empty

Step 2 - Validation process

- All relevant selection parameters are available as well as extended options to enhance the checks on migrated documents
- Time windows can be defined for validation process

Archive Migration: Checking of Documents

Selection Criteria

Target ContRep ID	<input checked="" type="checkbox"/>
SAP Object Type	<input checked="" type="checkbox"/>
Document type	<input type="text"/> 
Object ID	<input type="text"/> to <input type="text"/> 
Source archiving date	<input type="text"/> to <input type="text"/> 

Extended Options

<input checked="" type="checkbox"/> Only log errors	
<input type="checkbox"/> Check checked entries again	
<input checked="" type="checkbox"/> Check for empty files	
<input checked="" type="checkbox"/> Compare hash values	
<input checked="" type="checkbox"/> Log check duration	
Max. errors (abort then)	<input type="text" value="1"/>
Max. documents to check	<input type="text"/>
Max. runtime (in sec.)	<input type="text" value="85.500"/>
Log file (incl. path)	<input type="text"/>
Send spool via e-mail to	<input type="text"/>
<input type="checkbox"/> Send e-mail only on error	

No Check in These Time Windows

Monday:	<input type="text" value="00:00:00"/>	to	<input type="text" value="00:00:00"/>	<input type="checkbox"/> Invert time window
Tuesday:	<input type="text" value="00:00:00"/>	to	<input type="text" value="00:00:00"/>	<input type="checkbox"/> Invert time window
Wednesday:	<input type="text" value="00:00:00"/>	to	<input type="text" value="00:00:00"/>	<input type="checkbox"/> Invert time window
Thursday:	<input type="text" value="00:00:00"/>	to	<input type="text" value="00:00:00"/>	<input type="checkbox"/> Invert time window
Friday:	<input type="text" value="00:00:00"/>	to	<input type="text" value="00:00:00"/>	<input type="checkbox"/> Invert time window
Saturday:	<input type="text" value="00:00:00"/>	to	<input type="text" value="00:00:00"/>	<input type="checkbox"/> Invert time window
Sunday:	<input type="text" value="00:00:00"/>	to	<input type="text" value="00:00:00"/>	<input type="checkbox"/> Invert time window

Step 3 - Switch of link entries

- All relevant selection parameters are available as well as extended options to fine-tune the switch, e.g. if checksums of source/target documents are identical
- Time windows can be defined for this process

Archive Migration: Switch of copied Documents

Selection Criteria

ContRep ID Source	<input type="text"/>	<input type="button" value="📄"/>
SAP Object Type	<input checked="" type="checkbox"/>	
Document type	<input type="text"/>	<input type="button" value="📄"/>
Object ID	<input type="text"/>	to <input type="text"/> <input type="button" value="📄"/>
Source archiving date	<input type="text"/>	to <input type="text"/> <input type="button" value="📄"/>

Successful 0-byte check
 Successful hash comparison

Extended Options

<input checked="" type="checkbox"/> Only log errors	
Max. errors (abort then)	<input type="text" value="10"/>
Max. number of Docs to switch	<input type="text" value="100.000"/>
Max. runtime (in sec.)	<input type="text"/>
Log file (with path)	<input type="text"/>
Send spool via e-mail to	<input type="text"/>
<input type="checkbox"/> Send e-mail only on error	

No Switch in these Time Windows

Monday:	<input type="text" value="00:00:00"/>	to	<input type="text" value="00:00:00"/>	<input type="checkbox"/> Invert time window
Tuesday:	<input type="text" value="00:00:00"/>	to	<input type="text" value="00:00:00"/>	<input type="checkbox"/> Invert time window
Wednesday:	<input type="text" value="00:00:00"/>	to	<input type="text" value="00:00:00"/>	<input type="checkbox"/> Invert time window
Thursday:	<input type="text" value="00:00:00"/>	to	<input type="text" value="00:00:00"/>	<input type="checkbox"/> Invert time window
Friday:	<input type="text" value="00:00:00"/>	to	<input type="text" value="00:00:00"/>	<input type="checkbox"/> Invert time window
Saturday:	<input type="text" value="00:00:00"/>	to	<input type="text" value="00:00:00"/>	<input type="checkbox"/> Invert time window
Sunday:	<input type="text" value="00:00:00"/>	to	<input type="text" value="00:00:00"/>	<input type="checkbox"/> Invert time window

Detailed migration status

The migration status is based on the central status table and provides a detailed overview of the current situation (can automatically be sent via mail):

Archive Migration: Determine the current Migration Status																			
Type	Business Object	Documenttype	Source Arc...	Source Storag...	Source Conne...	Target Arch...	Target Storag...	Target Conne...	Σ To Migrate	Σ Copied OK	Σ Copied Error	Σ Checked OK	Σ Checked Error	Σ Switched OK	Σ Switched Err...	Average Siz...	Average Co...	Average Ch...	
D	BKPF	ZFIINV	ZA		TOA01	PA		TOA01	20,871	20,864	7	20,864	0	0	0	160,822	3,241	428	
D	BKPF	ZFIINV	ZE		TOA01	PE		TOA01	22,486	22,486	0	22,485	1	0	0	271,757	4,836	474	
D	BKPF	ZFIINV2	ZE		TOA01	PE		TOA01	972	972	0	972	0	0	0	313,775	2,391	518	
D	BKPF	ZFIINV3	ZE		TOA01	PE		TOA01	314,683	303,355	199	303,348	7	0	0	247,518	4,073	425	
D	BKPF	ZFIINV4	ZE		TOA01	PE		TOA01	87,184	87,138	4	87,136	2	0	0	417,674	4,171	649	
D	BUS2081	ZMMINV	ZA		TOA01	PA		TOA01	1,056,599	1,038,205	82	1,038,116	89	0	0	135,189	3,642	401	
D	BUS2081	ZMMINV	ZE		TOA01	PE		TOA01	331,719	331,717	2	331,640	77	0	0	155,065	3,622	404	
D	BUS2081	ZMMINV2	ZE		TOA01	PE		TOA01	2,898	2,898	0	2,898	0	0	0	220,300	3,139	506	
D	BUS4401	FICAACCTBA	ZD		TOA01	PD		TOA01	25	56,720	25	56,720	0	56,720	0	125,948	2,443	421	
D	BUS4401	FICAACCTIN	ZD		TOA01	PD		TOA01	0	30,101	0	30,101	0	30,101	0	101,071	2,312	421	
D	BUS4401	FICADUNNIN	ZD		TOA01	PD		TOA01	0	49,056	0	49,056	0	49,056	0	37,082	2,125	403	
D	BUS4401	FICAINSTAL	ZD		TOA01	PD		TOA01	0	3,663	0	3,663	0	3,663	0	30,935	2,163	389	
D	BUS4401	FICAINVOIC	ZD		TOA01	PD		TOA01	794	2,240,585	794	2,240,585	0	2,240,585	0	60,775	1,977	403	
D	BUS4401	FICAMDCH	ZF		TOA01	PF		TOA01	0	5,357	0	5,357	0	5,357	0	25,460	1,603	389	
D	BUS4401	FICAPAYMEN	ZD		TOA01	PD		TOA01	0	24,105	0	24,105	0	24,105	0	46,600	2,073	466	
D	BUS4401	FICAREFUSA	ZD		TOA01	PD		TOA01	0	758	0	758	0	758	0	41,583	1,899	411	
D	BUS4401	FICASECURI	ZD		TOA01	PD		TOA01	0	866	0	866	0	866	0	53,476	2,081	394	
D	BUS4401	ZFICAACCTB	ZF		TOA01	PF		TOA01	0	38,733	0	38,733	0	38,733	0	41,913	1,998	427	
D	BUS4401	ZFICADUNNI	ZC		TOA01	PC		TOA01	0	15,340	0	15,340	0	15,340	0	32,069	2,470	361	
D	BUS4401	ZFICADUNNI	ZF		TOA01	PF		TOA01	1	893,615	1	893,615	0	893,615	0	78,747	1,933	417	
D	BUS4401	ZFICAINSTA	ZC		TOA01	PC		TOA01	0	3	0	3	0	3	0	35,350	2,173	406	
D	BUS4401	ZFICAINSTA	ZF		TOA01	PF		TOA01	0	9	0	9	0	9	0	31,453	2,537	338	
D	BUS4401	ZFICAINVOI	ZC		TOA01	PC		TOA01	3	269,784	3	269,784	0	269,784	0	253,633	2,711	430	
D	BUS4401	ZFICAINVOI	ZF		TOA01	PF		TOA01	25,554	6,840,799	25,577	6,840,799	0	6,836,126	4,673	281,476	2,232	446	
D	BUS4401	ZFICAPAYME	ZF		TOA01	PF		TOA01	0	17,073	0	17,073	0	17,073	0	27,322	2,475	394	
D	BUS4401	ZFICAREFUS	ZC		TOA01	PC		TOA01	0	430	0	430	0	430	0	33,956	1,988	390	
D	BUS4401	ZFICAREFUS	ZF		TOA01	PF		TOA01	1	24,152	1	24,152	0	24,152	0	47,293	2,260	428	
D	IDOC	ZFIINV3	ZE		TOA01	PE		TOA01	16,027	15,979	48	15,978	1	0	0	244,772	4,898	455	
K			ZE	SOFFDB	SOFFPHIO	PE	ZSOFFHTTP	SOFFPHIO	447,334	430,307	17,027	430,295	12	0	0	190,142	4,027	298	
K			ZE	SOFFHTTP	SOFFPHIO	PE	ZSOFFHTTP	SOFFPHIO	1,299,897	1,224,774	13,244	1,224,087	687	0	0	259,942	3,832	316	
									Σ 3,627,048	Σ 13,989,844	Σ 57,014	Σ 13,988,968	Σ 876	Σ 10,506,476	Σ 4,673				

Completeness / sample checks

- Identification of documents to be verified based on statistical procedure
- Automated (program-based) generation of random samples
- Easy check of documents via split screen
- Distribute random samples across several persons possible

Samples

Compare Generate Initialize Refresh Settings


Archive source	Doc ID source	Archive target	Doc ID source	Type	Object Type	SAP object ID	Document type	Document Class	Size (KB)	Storage date	Status	Check user	Date	Time
P1	000C290068A91EE6B7C3495D2583863	P2	000C290068A91ED68806EEA956E69AA	Document	BKPF	000119000002872013	FIINVOI00	PDF	51	19.01.2017	OK	NIEDERC	23.08.2018	10:24:16
P1	000C290068A91EE6BCC028F042A448B9	P2	000C290068A91EE6BCC05F40A5A7CBC5	Document	BKPF	000119000002702013	ZEBPPPDF	PDF	144	23.02.2017	OK	NIEDERC	23.08.2018	10:24:12
P1	000C290068A91EE6BCC0339715114899	P2	000C290068A91EE6BCC05F40A5A7CBC5	Document	BKPF	000119000002702013	ZEBPPPDF	PDF	88	23.02.2017				00:00:00
P1	000C290068A91EE6BCC0362A3D304B99	P2	000C290068A91EE6BCC05F40A5A80BC5	Document	BKPF	000119000002702013	ZEBPPPDF	PDF	2.020	13.02.2017				00:00:00
P1	000C290068A91EE6BCC06DA12410CBCE	P2	000C290068A91EE6BCC0776582672BDE	Document	BKPF	000119000002702013	ZEBPPPDF	PDF	65	13.02.2017				00:00:00

Samples

Ok Error Info


13.2.2017

nexQuent Savento GmbH



13.2.2017

nexQuent Savento GmbH



Documents opened in split screen

SAP | ECC (2) 800 | Ides | INS |

KPMG audited solution

- *Migration Suite* has successfully been audited and certified as per
 - Auditing Standard 880 of the Institute of Public Auditors in Germany (IDW) for the “Auditing of Software Products” (→ IDW PS 880)
 - Statutory provisions of German commercial law (§§ 238 et seq. HGB)
 - Principles of proper accounting and the related requirements for the propriety and security of accounting-related program functions



Report on the audit of the software nexQent Savento Migration Suite

Release Version 2.0

nexQent Savento GmbH, Hamburg
December 2020

Latest features - Cockpit for migration job creation

“One click” to schedule and start jobs (incl. variants) for copy, check and switch programs

Migration Suite - Cockpit

Job COPY Job CHECK Job SWITCH Start Stop Cancel Jobs Build Insert Year Checking Save Reset Documents Jobs Database Config

Object Type	Doc. Type	Tables	CR Source	Storage dat...	Storage dat...	CR Target	Max.Docs	Template	Prio C...	Prio C...	Prio S...	*Total Docu...	* COPY ok	*COPY ok lst	* CHECK ok	*CHECK ok L...	* SWITCH ok	*SWITCH ok...	Status COPY	Status CHECK	Status SWITCH	
VTTK		TOA02	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	10	0	0	23.262.124	285.877	285.868	0	0	0	0	RUN (2 / 0)			
/AFI/DIC_H		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	20	0	0	326.513	0	0	0	0	0	0				
/AFI/DIC_R		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	20	0	0	720.431	0	0	0	0	0	0				
BKPF		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	20	0	0	209.303	0	0	0	0	0	0				
BKPF		TOA01	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	20	0	0	110.165	0	0	0	0	0	0				
BUS2012		TOA01	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	20	0	0	716.845	0	0	0	0	0	0				
BUS2017		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	20	0	0	816.762	0	0	0	0	0	0				
BUS2032		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	20	0	0	274.241	141.265	141.254	0	0	0	0	RUN (0 / 0)			
BUS2081		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	20	0	0	879.740	146.568	146.557	0	0	0	0	RUN (0 / 0)			
BUS2102		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	20	0	0	295.737	191.070	191.060	0	0	0	0	RUN (1 / 0)			
KNA1		TOA01	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	20	0	0	148.329	148.328	148.328	0	0	0	0	FIN (1 / 0)			
LFA1		TOA01	P4	01.01.2010	31.12.9999	M4	200.000	TEMPL	20	0	0	198.554	198.553	198.553	0	0	0	0	FIN (1 / 0)			
LKPF		TOA01	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	20	0	0	2.500.667	355.029	355.017	0	0	0	0	RUN (2 / 0)			
SOCINSDO...		TOAHR	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	20	0	0	74.741	74.740	74.740	0	0	0	0	FIN (2 / 0)			
VBAK		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	20	0	0	170.328	170.327	170.327	0	0	0	0	FIN (2 / 0)			
VBAK		TOA01	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	20	0	0	1.955.194	368.032	368.020	0	0	0	0	RUN (3 / 0)			
VBRK		TOA01	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	20	0	0	3.047.316	361.978	361.966	0	0	0	0	RUN (3 / 0)			
/AFI/DIC_R		TOA01	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	30	0	0	2	0	0	0	0	0	0				
/AFI/DPC_R		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	30	0	0	10.918	0	0	0	0	0	0				
ARCHIVE		TOA01	P3	01.01.2010	31.12.9999	M3	200.000	TEMPL	30	0	0	2.441	0	0	0	0	0	0				
BUS1022		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	30	0	0	4.025	0	0	0	0	0	0				
BUS2010		TOA01	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	30	0	0	7.381	0	0	0	0	0	0				
BUS2012		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	30	0	0	11.805	0	0	0	0	0	0				
BUS2013		TOA01	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	30	0	0	7.292	0	0	0	0	0	0				
BUS2032		TOA01	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	30	0	0	20	0	0	0	0	0	0				
BUS2034		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	30	0	0	64	0	0	0	0	0	0				
BUS2078		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	30	0	0	57	0	0	0	0	0	0				
BUS2078		TOA01	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	30	0	0	22	0	0	0	0	0	0				
BUS2094		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	30	0	0	34.680	0	0	0	0	0	0				
BUS2105		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	30	0	0	1.197	0	0	0	0	0	0				
BUS2105		TOA01	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	30	0	0	4.823	0	0	0	0	0	0				
BUS4010		TOA03	PR	01.01.2010	31.12.9999	MR	200.000	TEMPL	30	0	0	120	0	0	0	0	0	0				
HRCDESVUV		TOAHR	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	30	0	0	38	0	0	0	0	0	0				
KNA1		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	30	0	0	2.420	0	0	0	0	0	0				
LFA1		TOA01	P1	01.01.2010	31.12.9999	M1	200.000	TEMPL	30	0	0	1.188	0	0	0	0	0	0				
LFM1		TOA01	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	30	0	0	2.445	0	0	0	0	0	0				
TAXCERPY...		TOAHR	P2	01.01.2010	31.12.9999	M2	200.000	TEMPL	30	0	0	280	0	0	0	0	0	0				
												70.242.868	2.441.767	2.441.690	0	0	0	0	0			



Latest features – Keep content repository ID

- Challenge: For some clients it's a problem to change the content repository (CREP) IDs during the migration due to security aspects and/or extensive customer enhancements
- *Migration Suite* now offers the functionality to keep the CREP IDs during migration
- This changes the migration approach from a 3-step process to a 2-step process
→ switch not required
- Mapping table with temporary CREP ID which will be replaced during copy process via enhancement in SAP function modules

Display View "Control enhancement: Change Content Repository (SCMS*)":



Control enhancement: Change Content Repository (SCMS*)

Content Repository 1: Temp	Content Rep. 2: Original	Mode
Z1	A1	Mapping: CR 1 = Temp -> CR 2 = Original CR ID

NEW

Auckland Council Success Story



Background

- Auckland Council implemented **SAP ECC, CRM and SRM** back in 2012 for their **Customer Services and Regulatory Services** such as building control, resourcing consents, licensing and compliance. All documents created in and via SAP were stored in **HP Records Manager (HPRM)** via **SAP ArchiveLink** and the **Knowledge Provide (KPro)**.
- In 2017, Auckland Council initiated **project ACCORD** (Auckland Council Corporate Records and Documents) to **implement OpenText Extended Enterprise Content Management (xECM)** for SAP to consolidate all electronic documents in a central environment. OpenText Archive Center, as a key component of the xECM Suite, became the new repository for the SAP documents.

Challenges & Auckland Council specifics

- Strict requirements for **minimal impact on SAP Prod environment / business processes**
- **Large number of documents (20+ million)** to be migrated which even increased significantly during the project duration because of quarterly bulk document creation runs in SAP → “Rates run” creates more than 550,000 documents in a day
- Council has integrated **SAP PO between the SAP systems ECC, CRM, SRM and HP RM**, i.e. every document storage/retrieval request went via SAP PO → migration process had to handle the load very carefully as SAP PO was not designed for mass throughput
- **Archive document IDs needed to be kept** due to custom table enhancements in SAP
- **SAP CRM and SRM** store documents via the **KPro** interface, not ArchiveLink
- Versions:
 - SAP systems: SAP S/4 HANA 1809, SAP CRM 7.14, SAP SRM 7.0 EHP4
 - Source system: HP Records Manager (HPRM) 8.1.1
 - Target system: OpenText Archive Center 16.2
 - Migration tool: nexQuent Savento *Migration Suite*

Outcome

- *Migration Suite* enabled the project to **significantly de-risk and speed up** the migration process and to **finish the migration successfully in time**
- In total, more than **25 million SAP documents** have successfully been migrated
- **SAP PO is not required anymore** as an intermediary system between SAP and archive system (OpenText Archive Center) which **increased the read/write performance and overall stability**

A typical migration project



Typical project steps

1. Migration workshop (analysis of archiving scenarios, sizing etc.)
2. Creation of migration concept / design document
3. Provisioning of target environment(s), i.e. hardware, software, licenses etc.
4. Installation of nexQuent Savento *Migration Suite* (import of an SAP transport)
5. Migration test in QAS environment incl. performance analysis
6. Training of SAP Basis resources
7. Migration in PROD
8. Verification of completeness and creation of audit report through Tenzing
9. Cutover / customizing change to target environment

Questions?





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