

How Materis successfully purged its JD Edwards EnterpriseOne Oracle database

"We used ARCTOOLS Enterprise Manager from Whitehouse Consultants to purge JD Edwards historic data on our Oracle/Unix platform. We successfully purged 45% of our business data while adhering to the integrity rules inherent in JD Edwards, our business managers' expectations and French compliance regulations. The product worked first time and was fast, efficient and secure. We would recommend to all JD Edwards users to partner with Whitehouse Consultants for their purge and archive needs."

Roger Beesley CIO Materis DSI

The challenge at Materis was to find a purge and archive solution that adheres to the integrity rules within the JD Edwards database, allows for the inclusion of custom tables and allows the flexibility to treat finance data differently to distribution data according to business requirements and French compliance regulations. They also wanted a solution to purge with integrity the large volumes of BLOB attachments that they had accumulated on the system. A robust and high performing solution was also required, due to the large volumes of data that had accumulated. The IT group considered a number of options, such as developing their own custom programs, using standard JD Edwards purge functionality, or purchasing an 'off the shelf' application.

Materis is a former subsidiary of the French building materials Group Lafarge and now operates as an independent company with annual sales of 1.5 billion euros and 7,500 employees operating in 35 countries. Materis manufactures a range of specialty materials including paints, mortars, aluminates and additives.

Materis runs a shared service IT group (Materis DSI) to host and support their companies that are using JD Edwards. These companies include Lafarge Paints, Lafarge Mortars, Lafarge Aluminates and ParexLanko. Materis is one of the largest JD Edwards customers in Europe running version OneWorld XE on Oracle database (version 8.1.7) and Unix AIX version 4.3.3 operating system.

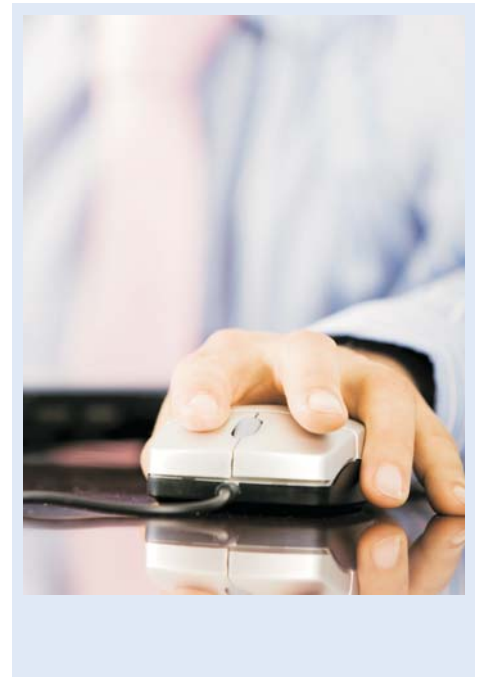
The company has been using JD Edwards since 1998, including the following modules:

- sales order processing
- procurement
- advanced warehousing
- advanced transportation
- finance

Having an urgent need to purge business data from financial and distribution modules, Materis embarked on an internal project to find the best solution.

The Solution

Materis decided to partner with Whitehouse Consultants after evaluating its product ARCTOOLS Enterprise Manager. ARCTOOLS/EM is a purge and archive engine written for Oracle and SQL/Server databases. ARCTOOLS/EM incorporates a control database which can be configured to process any ERP application.



Case Study

Purge & Archive



ARCTOOLS/EM is based on the same methodology and rules as the successful and proven ARCTOOLS/400 product from DCSoftware, Inc., a partner of Whitehouse Consultants. ARCTOOLS/400 is the purge and archive leader for JD Edwards customers running World software and EnterpriseOne on IBM AS/400 and i-Series with over 200 customers worldwide.

Whitehouse Consultants developed ARCTOOLS/EM using Oracle native programming language PL/SQL with a Java front end. The control database, which is shipped with the JD Edwards EnterpriseOne configuration, is easily accessible and modifiable without any additional programming.

Technical Details

Enterprise Server : pSeries Model 6H1, 4 processors (PowerPC_RS64-III)
Memory : 6144 MB (6GB)

JD Edwards database size before and after:

Table	Description	Total Records	Archived Records	Purged Records	Archive Time	Purge Time	Gigabyte Gained
A/R							
F03B11	Invoice	1481130	597614	597614	5 min 40 sec	45 mins	0,7
F03B13	Receipts	293701	191256	191256	40 sec	5 mins	0,15
F03B14	Receipt Detail	2146335	1190682	1190682	7 mins	1 hr 45 mins	0,9
F0911	G/L	10087257	3680649	3680649	1 hr 7 mins	3 hrs 15 mins	2,6
A/P							
F0411	Vouchers	371442	172634	172634	4 mins	10 mins	0,15
F0413	Payments	195372	128035	128035	1 min	3 mins	0,2
F0414	Payment Detail	326721	164073	164073	2 mins	2 mins 20 sec	0,05
F0911	G/L	6406608	349558	349558	20 mins	45 mins	0,25
G/L							
F0911	G/L	6057050	750788	750788	19 mins	1 hr	0,6
Purchasing							
F4301	Purchase Order Header	532480	193466	193466	1 mins	9 mins	0,15
F4311	Purchase Order Detail	922263	382657	382657	4 mins	21 mins	0,6
F43121	Purchase Order Receptions	1189718	752654	752654	3 min 30 sec	35 mins	0,75
F43199	Purchase Order History	858243	235774	235774	3 min	15 mins	0,3
Inventory							
F4111	Cardex	5694074	503611	503611	5 mins 30	1 hr	0,4
Sales							
F42019	Sales Order Header History	247682	245849	245849	2 mins	14 mins	0,3
F42119	Sales Order History	4056853	1871622	1871622	16 mins	1 hr 25 mins	1,5
F49219	Sales Order Tag History	2692554	1179491	1179491	8 mins	1 hr 5 mins	0,5

Methodology

The Materis / Whitehouse team followed the standard ARCTOOLS methodology which comprised:

- Proof of concept
- Driver file creation in test environment
- Before 'as of' and 'as is' reporting from JD Edwards
- Archive in test environment
- Review archive environment
- Purge in test environment
- After 'as of' and 'as is' reporting from JD Edwards
- Go live

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