

Less data, more space, more performance

In July 2005 Motion International were approached by Xansa to complete a comprehensive review of the data that could potentially be archived from their Oracle Applications Platform and provide guidance on performance improvements that could be made in regards to general processing efficiency.

Motion International have collaborated previously with Xansa on several Data Migration projects and through this work Xansa were aware of Motion International' technical and functional expertise in the areas of archiving and system performance improvements.



The client platform comprises of **three Oracle Financials instances**, which have been **in operation for approximately 4-5 years**. To date there has been **no archiving of data during this period**.

The objective of the assignment was to review the instances and identify hot spots, key data issues and quick wins. Specifically:

- > **Assess the potential for archiving data** from the Oracle applications.
- > **Assess the potential for data cleansing** Oracle application data to improve the impact of data archiving.
- > **Assess the transaction processing (internal and external) and databases** to ascertain whether any general processing efficiencies can be gained e.g. partitioning data, routine (proceduralised) clearance of audit logs and temporary storage, resetting of indexes etc.

Motion International conducted a very thorough analysis, collated and presented their findings in a comprehensive document including professionally prepared tables and graphs, illustrating potential space reclaiming percentages per application whilst providing invaluable recommendations to improve database and process improvements.

The review identified that **if the Client were to implement an Archive and Purge Strategy** then:

- > 60% of space (MB) could be reclaimed from the

archive-able tables, with further space being reclaimed from rebuilding indexes.

- > 30% increase in online performance for GL could be gained. It was also anticipated that significant performance increases could be expected in the subsequent applications, subject to individual data volumes and complexities.

The review carried by Motion International provided persuasive arguments for the application of archiving processes to the Clients three main installations of Oracle ERPs, leading to the following major benefits:

- > The size of the three production environments would be significantly reduced resulting in improved operation of on-line and batch processing.
- > Having more manageable sized production environments would result in faster, more efficient patching, cloning and backup procedures.
- > Storage costs would be reduced, as archived data could be stored on cheaper disks.



“Motion International provided a comprehensive document detailing invaluable recommendations. Not only did they give specialist guidance on potential archiving, they highlighted some significant improvements, which would have an immediate impact on improving operational efficiency.”

Ian Lumsden

Archiving Review Project Manager

Xansa plc



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