

Triton Consulting

DB2 Application Replatforming

Introduction

Replatforming of an application, whether from/to in-house platforms, to the Cloud, or extracting an application from an existing service to another company' system – needs careful planning. The move of the data is key to the success of the project.

Without doubt the most active area is that of replatforming to Cloud.



“If someone asks me what cloud computing is, I try not to get bogged down with definitions. I tell them that, simply put, cloud computing is a better way to run your business.”

Marc Benioff

CEO Salesforce.com

It is unsurprising that with quotes like this many companies are looking to gain the suggested benefits of replatforming to Cloud.

Drivers can be simply the desire to reduce costs; move away from on-premise infrastructure to a more flexible Cloud based service; the ability to 'spin up' new projects/applications quickly; and more.

But whatever the driver there are risks and costs. Most applications today are running 24x7 with large volumes of data underpinning them. Moving the application to a new platform can be straightforward; the move and testing can be done away from the production service to ensure it all works. Data however is a greater challenge. How to move large volumes of data efficiently? How is this done in a timely manner without losing transactions?

De-risking the move of the data in a replatforming project is key. Triton's replatforming service for DB2 is designed to address this challenge.

Our focus is invariably on replatforming to Cloud, though the services described here are just as relevant for say an in-house mainframe to Linux migration.

Triton's Application Replatforming Service

The Triton Application Replatforming Service will help migrate existing DB2 on premise applications successfully to the Cloud by de-risking the plan and the move. Triton looks to engage with the Client once the decision to move to Cloud has been taken and ideally when the Cloud supplier chosen. We can however also provide advice on the Cloud suppliers that would be appropriate based on the Client's requirements.

Triton's Application Replatforming Service will significantly reduce the operational risks associated with moving DB2 applications to a new platform on the Cloud, ensuring that clients are able to successfully complete the migration while controlling costs and maintaining availability of critical services. These services will be offered in the form of a fixed-price review to validate the client's replatforming approach, followed by a series of optional T&M assignments to assist with the migration itself.

Triton's Application Replatforming Service

The Triton replatforming service is delivered in four distinct stages.

Validate

- Analyse current system and requirements for successful working Cloud solution
 - What the application needs – SLA's, security, backup/recovery, response times, etc.
 - Early identification of project issues and confirmation of the ROI
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Migration Plan

- Detailed plan of the tasks and timescales for the project
 - Particular focus on data migration and the approach to continuity of service
 - Identify risks and activities on the critical path
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Build, Test, Cutover

- Build of the proposed Cloud service and associated services like backup/recovery
 - Full test of the system including execution of the data migration plan
 - Execution of the cutover plan to deliver the application working on Cloud
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Support

- Ongoing support of the Cloud based application including problem fix, maintenance, upgrades and enhancements

Service Deliverables and Benefits

Triton can be engaged at any stage of the replatforming project from validation of the original decision and solution chosen, through to cutover and ongoing support. Each stage of the project and Triton's service offering is described in the table below together with approximate cost for the first stage.

Stage	Description	Deliverables	Cost	Benefits to Client
Validation	Detailed analysis of the current system planned for migration to Cloud against key criteria such as response times; SLA's; backup/recovery	Report on suitability of Cloud solution. Recommended actions to ensure successful replatforming. Follow-on actions as required to address recommendations.	£3K-£8K dependent of no. of DB's. T&M	Early identification of potential issues with migration to Cloud. De-risking of project. Confirmation the projected ROI can be met.
Migration plan	Assessment of all the tasks needed in preparation, development, testing and cutover. Including detailed data migration and cutover plan.	Detailed migration plan with all tasks, risks and responsibilities identified.	T&M	Documented plan with identification of risks to the project success. Minimise business impact.
Build, Test and Cutover	Build of the Cloud system together with supporting processes e.g. backup/recovery. Full test of the solution and cutover.	Tested application and data migration strategy. A working Production Cloud based service.	T&M	Confidence that the platform works and the application can be moved with little risk. De-risking the cutover phase by having experienced consultants alongside.
Support	Use of Triton's support services (RemoteDBA, CoD) to provide on-going support.	Day-day Production monitoring, maintenance and support.	T&M	High quality support to ensure service availability and performance.

Our Clients

Pulsen Retail is part of the Pulsen Group. Founded in 1964, the Pulsen Group is one of the oldest IT companies in Sweden. The Group has around 1300 employees and a turnover of 3 billion Swedish krona.

Pulsen Retail embarked on a major project to migrate their DB2 infrastructure from z/Linux to Power Linux in a tight stipulated timescale. The project also covered an upgrade from DB2 9.7 to DB2 11.1.

Hermes, the consumer delivery specialist, provides flexible and affordable delivery options to home, work, neighbour, safe place, ParcelShops or Lockers, giving customers control whether sending, receiving or returning parcels. The company delivers more than 390 million parcels each year alongside 80% of the UK's top retailers. Hermes operates a network of over 18,000 self-employed couriers and more than 5,000 ParcelShops nationwide.

Hermes had been running much of their IT services for several years from the company European Data Centre in Hamburg. For business and costs reasons the decision was made to move these services to the Cloud and manage them from the UK. With the help of Triton Consulting, Hermes successfully migrated their critical DB2 applications from an in-house data centre to AWS Cloud.



“After all the careful planning and testing you are as sure as you can be the project will succeed, but provisioning a working system in the Cloud and delivering the improved performance we all hoped was fantastic. Having Triton as a key part of the migration team throughout the journey was invaluable.”

Rob Tomkins

IT Environments Manager at Hermes

About Triton

Triton Consulting are experts in Hybrid Data Management and Digital Transformation.

The company's team of consultants represent some of the most highly experienced and qualified in the industry, and are able to advise on a range of Data Management solutions including DB2 for z/OS, DB2 for LUW plus data related infrastructure and transformation services.

As well as expert consultancy in all areas of DB2, Triton Consulting also cover a wider spectrum of high level consultancy including senior project management, technical planning, technical architecture, performance tuning and systems programming.

Triton Consulting has been providing consultancy services for over 23 years. Triton are internationally recognised for their DB2 expertise with three IBM Gold Consultants and four IBM Champions.

Find out more about Triton
www.triton.co.uk

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