

Triton Consulting

Application Modernisation

Introduction

Moving an application between platforms in-house or to the cloud can save costs and improve reliability. But success depends on managing the migration process well.

Without doubt the most attractive platform is that of modernisation into the 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

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.

Switching to a cloud solution means you no longer have the challenge of maintaining and managing an on-premise server. Your staff can access your application from anywhere, anytime, making it easy to work remotely or support multi-site operations. It’s easier to scale up the hosting as you grow, and you’ll probably be able to develop a stronger disaster recovery plan too.

The benefits only arrive once you are actually in the cloud. To reach that point, you need to move your application from its current home to the new cloud platform.

To make the transfer successfully, you’ll need to migrate all your business-critical data without loss or corruption, ensuring it’s available throughout the process so your business can continue to operate as normal.

Introduction

Most applications today are running 24x7 with huge volumes of data underpinning them. The ideal way to move them without adversely impacting existing production services is in advance. However, if you're migrating a platform for a critical application, keeping data current and minimising downtime is a bigger challenge.

So, how can you migrate large volumes of data efficiently, promptly and without losing any transactions?

At Triton, we specialise in helping clients modernise their applications by switching to a cloud platform – or a different on-premise platform – quickly and smoothly.

Although we are recognised experts in DB2, we also have skills in Google Spanner, AWS Aurora and PostgreSQL, among others.

Our application modernisation service will help you migrate data by reducing operational risks – during both the migration plan and the move itself.

With our help, you can complete your migration successfully while keeping costs down and ensuring critical services are available throughout.

Our focus is invariably on modernisation of legacy applications into Cloud environments, though the services described here are just as relevant for sayan in-house mainframe to Linux migration.

Triton's Application Modernisation Service

Our service is offered in the form of a fixed-price review to validate the client's modernisation approach, followed by a series of optional T&M assignments to assist with the migration itself.

Our four-stage modernisation service.

Validate

- We analyse your current system and determine your requirements for an effective cloud solution
- We identify what your application needs – SLA's, security, backup/recovery, response times, etc.
- We identify project issues as early as possible, and confirm your ROI on the project

Migration Plan

- We make a detailed plan of the project tasks and timescales
- We focus in particular on data migration and continuity of service
- We identify key risks and activities along the critical path

Build, Test, Cutover

- We build the proposed Cloud service and associated services such as backup/recovery
- We call out a full test of the system, including execution of the data migration plan
- Finally, we carry out the cutover plan to deliver the application working on Cloud

Support

- Following migration, we offer ongoing support for your cloud-based application including troubleshooting, maintenance, upgrades and enhancements

Service Deliverables and Benefits

Triton can be engaged at any stage of the modernisation 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 migration. Follow-on actions as required to address recommendations. | £3K-£8K dependent on 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-to-day Production monitoring, maintenance and support. | T&M | High quality support to ensure service availability and performance. |

Why choose us?

We know data migration

We are proven experts in data migration, having played a key role in many major projects. If you're worried about business downtime, we can help.

We'll control cost

We'll help you minimise the financial risks of the move and make sure you realise the savings you're looking for.

You're in control

We'll work with you to put the processes and protocols in place to give you complete control over key software and hardware administrative tasks.

Serious about security

Cloud service providers implement the best security standards and industry certifications, but storing your vital data externally always opens up some risks. We'll review the database security standards to ensure they meet your required level of control.

Ongoing support

As well managing a smooth transition, we can also deliver ongoing management of your modernised database with our [RemoteDBA](#) and [Consultancy on Demand](#) service.

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 modernisation 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 25 years. Triton are internationally recognised for their DB2 expertise with five IBM Gold Consultants and five IBM Champions for Data and AI.

Find out more about Triton www.triton.co.uk or [talk to our expert team](#)

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