Insight

Insight AWS Database Modernisation Assessment

To stay competitive in today's rapidly evolving technological landscape, organisations require a modern, scalable, and efficient database infrastructure. This pressure is driving them to modernise their licensed proprietary databases, such as Microsoft SQL Server and Oracle DBMS, to enhance performance, reduce costs, and increase agility. However, embarking on such a transformation can be a daunting prospect for those whose systems are deeply ingrained in native vendor technologies.

We have designed a database modernisation assessment to assist organisations in evaluating their current database environment, identifying areas for improvement, and developing a comprehensive roadmap for modernisation.

Benefits

- **Reducing costs by right sizing database infrastructure and reducing licenses**
- **Lower operational costs by adopting AWS Managed services / PaaS offerings**
- **Improve performance, scalability and availability of applications.**
- **Help to foster and accelerate innovation.**
- **Break free from legacy databases.**
- **Avoid vendor lock-in with an open-source database.**

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Business challenge

Organisations face several challenges when implementing a modern, efficient, and scalable database infrastructure. Among these challenges are concerns with vendor tie-ins and associated licensing costs of solutions such as Microsoft SQL. Furthermore, while interested in the benefits of other available alternatives like AWS cloud-native databases, not all clients know how to embark on the migration journey from other vendor-native options or understand the operational implications and dependencies. Few organisations may be hesitant to alter the technology stack due to the potential risk of breaking an application, and some have a lack of internal resources to support an AWS cloud-native database. Overall, the obstacles for organisations seeking to revamp their database infrastructure are multi-faceted and can require extensive planning and resources to overcome.

Our service mitigates these challenges by:

- Delivering skills and awareness that help reduce risk
- Demonstrating the value of AWS cloud-native databases in a client's environment
- Getting clients familiarised with AWS cloud native databases so that they can gain confidence in migrating from MS SQL and adjust operational processes.
- Getting clients familiarised with the MS SQL to AWS Database migration process and tools using a Proof of Concept (PoC).

Partner with us to optimise AWS investment, enable digital business and accelerate innovation. Get expert help to design, implement and manage AWS solutions that align with your business goals.

Our Solution

The AWS Database Modernisation Assessment service offers a comprehensive and structured approach for clients to evaluate the impact of transitioning to cloud-native databases. This service, which is an AWS-funded component of the Microsoft Modernisation Program, enables our clients to assess the effort required for such a transformation and the potential benefits that can be achieved. The programme also encompasses the migration from legacy .NET and Windows/IIS applications to .NET 6+/Core running on Linux, containers, or serverless technologies. Utilising advanced AWS assessment tools, such as the Schema Conversion Tool and Babelfish Compass, the assessment analyses the current database estate and provides detailed insights into the changes required to the database schema or source code to facilitate migration from Microsoft SQL to AWS Aurora with Babelfish.

Our service also covers:

Option of running a PoC, against either one of their own existing Microsoft SQL databases, identified as a valid candidate from the assessment, or an Insight provided Demo Microsoft Database.

Workshop to discuss the outcomes of the assessment and highlight the benefits of migrating to Amazon Aurora and also advise on the funding programmes available and choose the optimal options for our clients' estate.

Following the workshop, Insight will work with our clients to formulate a plan to move from the Modernisation assessment phase to a Modernisation project.

Is this solution right for you?

We have developed an expansive range of services to help you along the entire cloud journey to achieve your business objectives with AWS. By taking a comprehensive approach and using our deep, broad expertise, our services portfolio guides you towards a successful AWS adoption strategy, resulting in your IT team spending less time fire-fighting and more time creating business value.

Discover & Plan

We'll gain a full picture of your current and future requirements, exploring the right approach, and then plan how to realise the value through cost-effective solutions.

Build & Integrate

We can accelerate the deployment of your chosen solution, using our deep expertise and resources to seamlessly install and integrate the right technology.

Run & Innovate

Depending on your requirements, we can then help you optimise your AWS technology by supporting or managing it on your behalf.

AWS Competency Programme & Certifications

AWS established the AWS Competency Programme and certifications to help customers identify Consulting and Technology Partners with deep industry experience and expertise.

Competencies	Certifications
PARTNER: Migration Services Competency	PARTNER: Solution Provider
PARTNER: Security Services Competency	PARTNER: Advanced Tier Services
PARTNER: AWS Microsoft Workloads Services	PARTNER: Public Sector
PARTNER: DevOps Service Competency	PARTNER: AWS Marketplace Skilled Consulting
	PARTNER: Immersion Day
	PARTNER: Amazon EC2 for Windows Server Delivery
	PARTNER: Well-Architected Partner Program

For more information please contact your Insight Account Manager.

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