Understanding Cloud Migration & Cloud Modernization

Future proof your data architecture

It is a common mistake to use Data Modernisation and Data Migration interchangeably, the fact is “data modernisation is a much broader concept, data migration can be the first step towards data modernisation.”

Cloud Migration is the process of transitioning from on-premises to cloud without making changes to the logical architecture.

Simple Lift & Shift
Major restructuring of the codebase is avoided

Focus
Migrate the applications to the cloud, making them accessible over the internet

Cloud Modernization is the process of updating or reframing applications to take full advantage of cloud-native architecture.

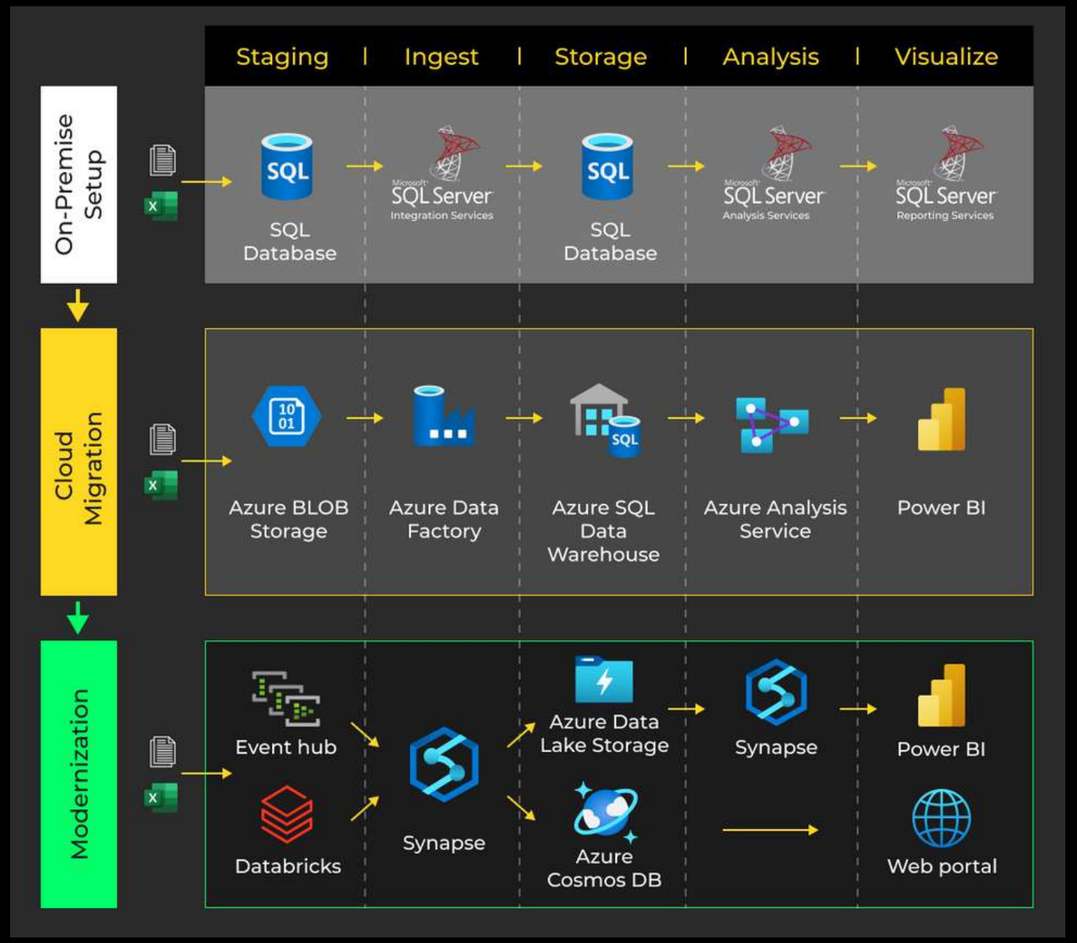
Lift - Process - Shift
Application gets refactored to use a microservices architecture

Focus
Goes beyond migration to make the applications more efficient, reusable, and scalable.

Both can be implemented on

Private Cloud | **Public Cloud** | **Hybrid Cloud**

From On Premise to Migration or Modernisation



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Modernization your Data Estate

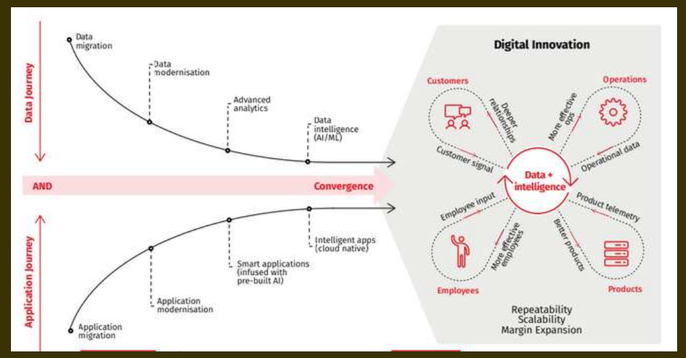
Modernization journey

Data Modernization involves the strategic overhaul of existing data infrastructure to align with contemporary technologies and methodologies.

This entails transforming legacy systems, adopting cloud-based solutions, and integrating advanced analytics tools. Techniques may include migrating on-premises data to the cloud, implementing data lakes for scalable storage, and employing data virtualization for real-time access.

Additionally, the utilization of DevOps practices and AI-driven automation plays a pivotal role in optimizing data processes and ensuring adaptability to evolving business needs.

Enabling efficient processing of insights from large volumes of data, fostering a competitive edge in today's data-driven landscape.



The "data journey" encompasses the life cycle of data from migration to data science using AI/Ml. When integrated with the "application journey," it paves the way for Data intelligence. Ensuring that all data is present in a meaningful format about people, ops, employees and products.

Data Modernization Triggers

- Application Innovation
- Security concerns
- Software/Hardware refresh
- Data Center Contract Expiry
- Faster M&A integrations
- Capacity requirement
- Compliance
- Software support

Data Modernization Strategy

Data Migration	Integration and Ingestion	Data cleansing and transformation	Governance and Rules	Data modelling & Storage	Warehousing	Vizualisation and analytics

Incremental Modernization Levels

Refactoring

Rewrite and restructure migrated data for cloud-native modernization.

Replatforming

Make small changes to migrated data, leaving legacy architecture intact.

Containerization

Replicate on-premises runtime environment with added cloud-native elements for specific software version requirements.

Serverless Architecture

Restructure data completely, using Open Source Technologies like Apache which can scale up or down. the cost of Infra is charged based on execution time of the code.

Unlock the potential of your data with our expert Cloud Migration and Modernization services. As data architecture grows in complexity, we address challenges like data volume, emerging technology, and skills gap to deliver a modern data estate that empowers your business.

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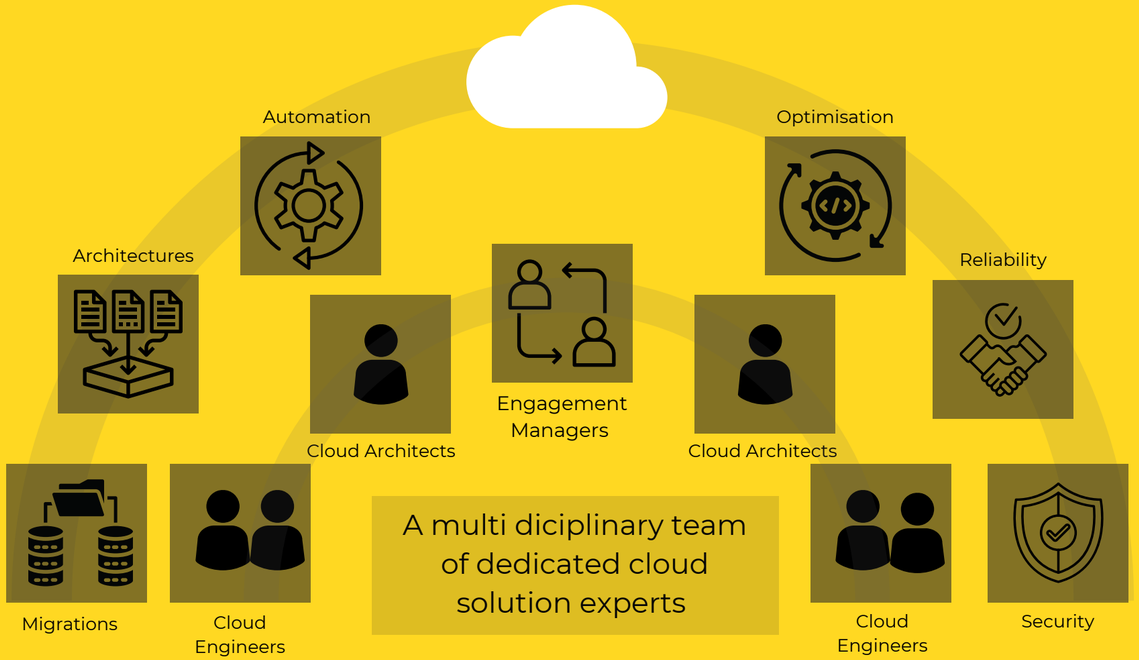
Polestar Advantage



Why choose Polestar for Migration/Modernisation

- Faster time to Deployment
- Certified Expertise
- Better user experience
- 24*7 tech support
- Scalability
- Reduced Migration Risk
- Established Blueprints
- App Development
- cost Optimisation
- Secure

Many clients see a 40% decrease in data storage costs, a 30% to 60% faster time to market with us

Our Cloud Services

Our Cloud Partners

Google Cloud · Azure · aws · snowflake

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