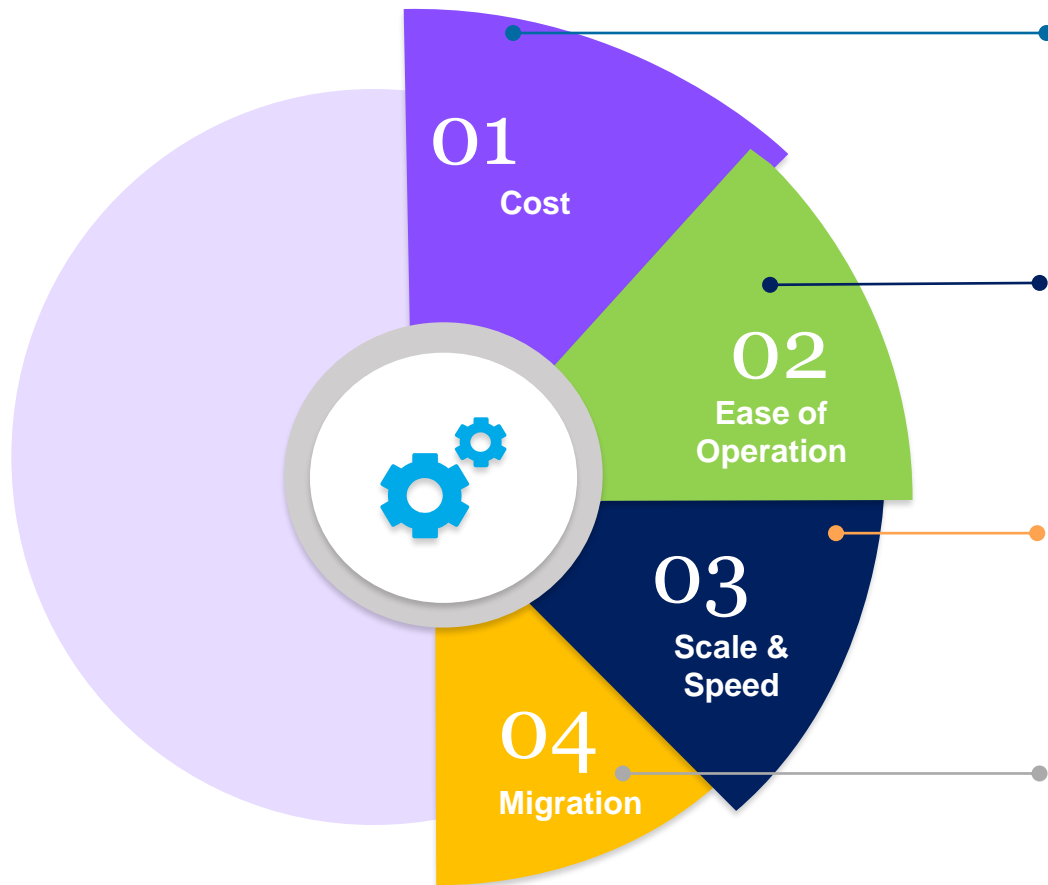


# **Virtusa Accelerated Solution For DB Migration**

# Virtusa's DB Migration Solution helps organization gain a competitive advantage by migrating workloads to Cloud in a faster & cost effective manner

virtusa



- Improved efficiency & reduced TCO
- Adoption "Pay As You Go" Model



- Signification reduction in operation Effort.
- Adoption of Infra Automation as Code
- Improved Ease of Use



- Faster Time to Market
- Enables Scalability of Resources









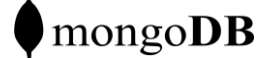








- Enabling Low Cost , Faster
- DB Migration with minimal downtime.



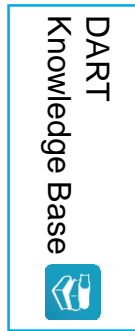
# DB Migration Methodology

Seamless, end to end solution | Near-zero downtime | Migrate at-scale from multiple sources

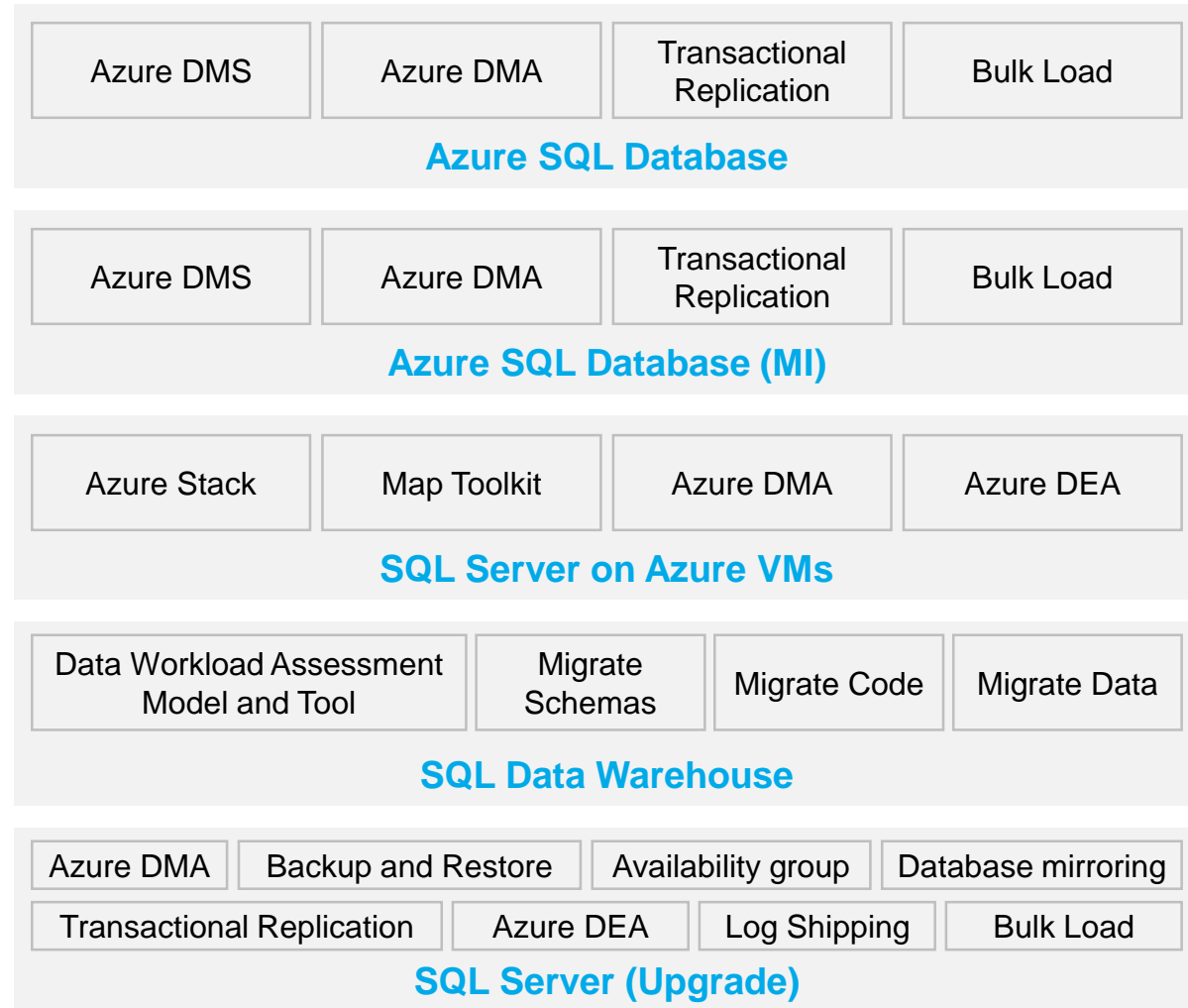
	Initial Assessment 	Phase Zero 	Migration Phase 	Post Migration 
Approach	<ul style="list-style-type: none"> <li>Assess technology landscape</li> <li>Run SSMA, DMA and Blade-bridge</li> <li>Conduct Workshop and apply DART knowledge base frame work</li> <li>Define Phase zero Scope &amp; Outcomes</li> </ul>	<ul style="list-style-type: none"> <li>Environment setup</li> <li>Detailed Schema Conversion issues analysis</li> <li>Validate automated conversions</li> <li>Perform manual conversions</li> <li>Implement automation for repetitive tasks</li> </ul>	<ul style="list-style-type: none"> <li>Automate the playbook into runbook</li> <li>Define the detailed plan for migration</li> <li>Define a governance plan</li> <li>Execute migration</li> </ul>	<ul style="list-style-type: none"> <li>Make changes to the applications which will have an impact on this exercise</li> <li>Create automated Run book</li> <li>Performance Monitoring dashboards – logs,</li> </ul>
Tools	<ul style="list-style-type: none"> <li>Virtusa DB Analyzer</li> <li>Azure DMA</li> <li>Azure SSMA</li> <li>Virtusa DART</li> </ul>	<ul style="list-style-type: none"> <li>Virtusa DB Analyzer</li> <li>Azure DMA</li> <li>Azure SSMA</li> </ul>	<ul style="list-style-type: none"> <li>Azure DB Migration Service</li> <li>Virtusa Code Converter</li> <li>DataViel</li> <li>Azure DEA</li> </ul>	<ul style="list-style-type: none"> <li>Azure Monitor</li> <li>Azure Data Catalog</li> </ul>
<p><b>ON-PREMISES</b></p>     			<p><b>AZURE CLOUD</b></p>     	

# Tools Alignment to Target State Database

## ON-PREMISES



Data Migration

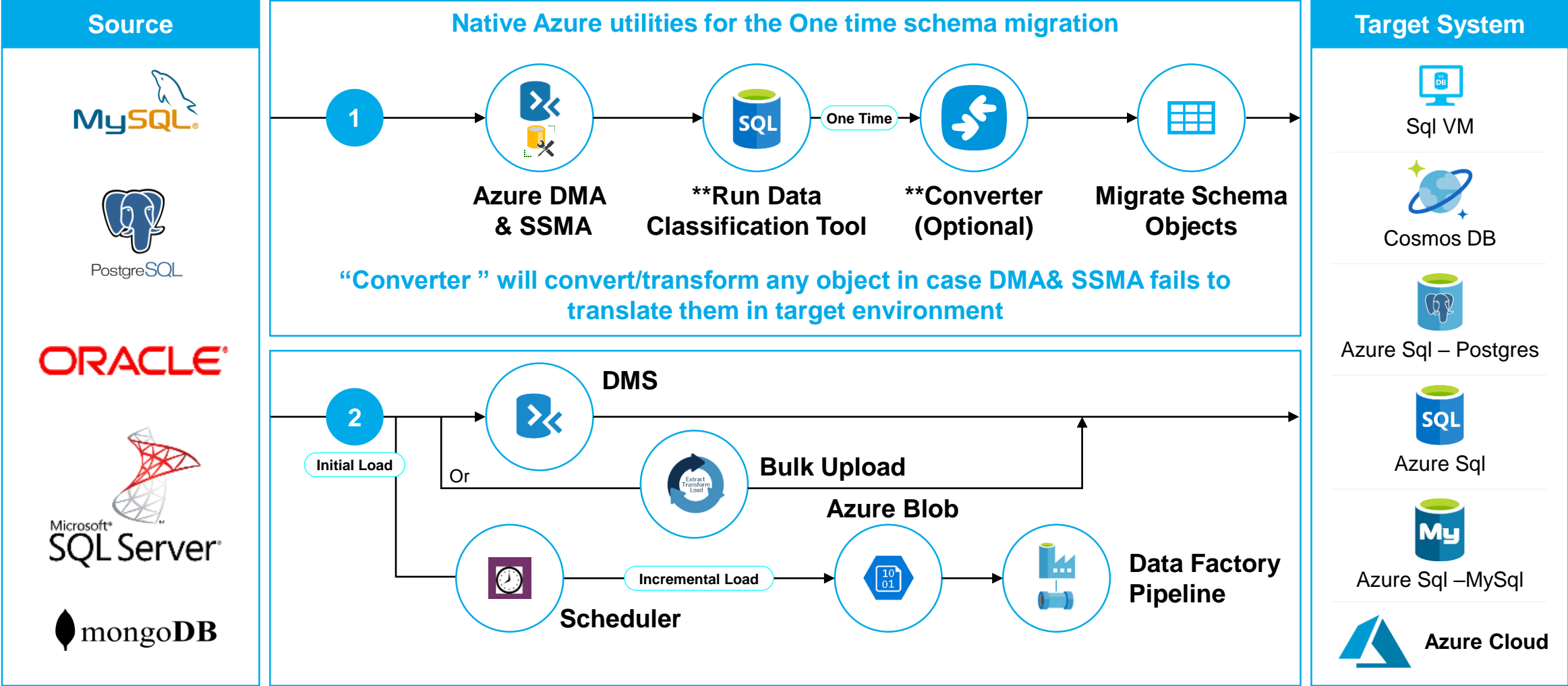


## Tool Based Approach Challenges

- Migration of temporal tables not supported.
- Migration of tables includes one or more columns with the hierarchyid data type.
- Migration failures with various integrity violations with active triggers in the schema during “Full data load” or “Incremental data sync”
- Data migration errors don't provide additional details on the Database detailed status blade
- Geography datatype not supported in SQLDB online migration



# Approach to migrate On-Premise Databases into Azure DB technologies



\*\* Optional tool

# What differentiates Virtusa's DB-Migration Solution ?

virtusa



**DATA ANALYZER AND ASSESSMENT TOOL**



**DART KNOWLEDGE REPOSITORY**



**CODE CONVERTER TOOL**



**MASKING TOOL TO SECURE PII DATA OVER CLOUD**

