Data Management Strategies

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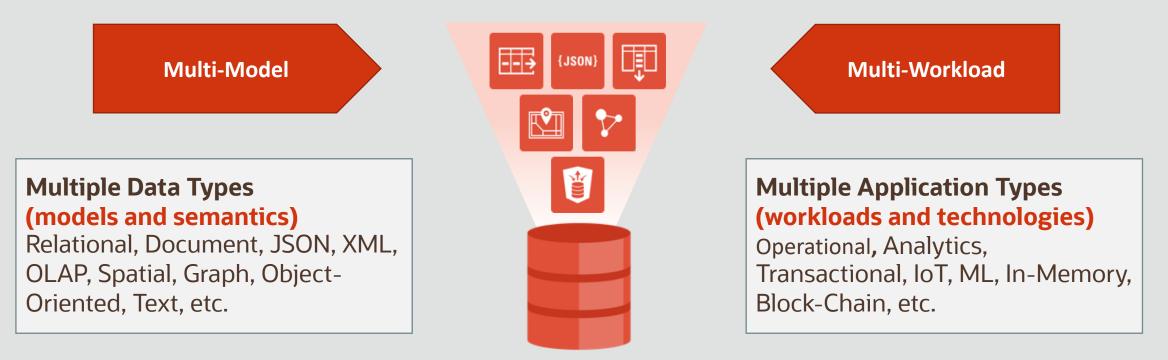
Data Strategies

- Modern Applications require many different:
 - Data Types Relational, Document, Spatial, Graph, etc.
 - Workloads Transactions, analytics, ML, IoT, etc.
- Each data type and workload requires different database algorithms
- Two possible Data Strategies:
 - Use single-purpose "best-of-breed" database for each data type and workload
 - Use a converged database for all data types and workloads



Converged Database Multi-Model and Multi-Workload

Converged Database



Run one Converged Database that supports multiple data types and workloads Or run many separate Specialized Databases for each data type and workload

Benefits of Converged Database

- Like a Smartphone, a Converged Database:
 - Supports mixing of workloads, data types, and algorithms
 - Enables SQL and transactions across any data type
 - Is simpler, lower cost, more reliable
 - Provides unified security and management across all data
 - Prevents data fragmentation and copy contagion
 - Removes initial and recurring integration costs
 - Enables powerful synergies across features



