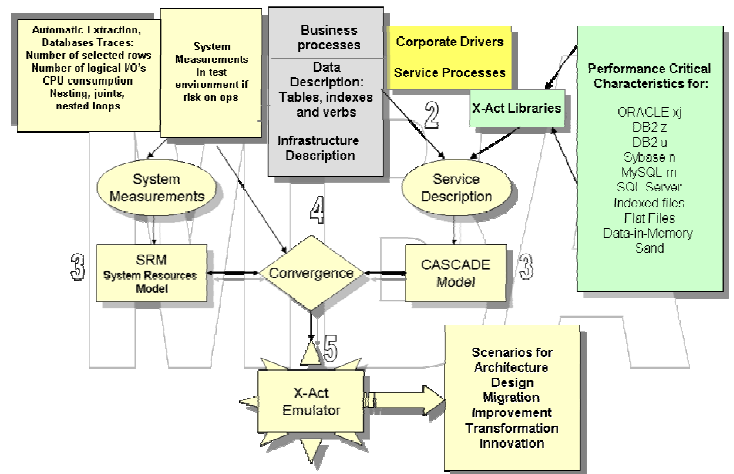




**Data modeling and its implementation solution represent one of most critical challenges for corporation. Its service latency directly impact on competitive position, cost of operations, adaptability and the ability to transform and innovate**



### Challenge

- A need for database migration becomes necessary:
  - Obsolescence due to technology adaptability to business constraints
  - Cost of operations, development, TCO
  - Business maturity and strategic business cases: M&A, efficiency, performance and scalability
  - Architecture constraints; streaming, parallelism, latencies, clustering, SQL Unions, optimizers etc
  - Technology affinity: platforms, versioning, infrastructure,
- A predictive capability to select the right data management solution: as corporate decision, as a development principle, as an operational fitness and or as evolution in technology and aligned to business evolution
- A predictive apparatus to determine the limit of an actual solution, options to improve a particular implementation in: performance, volume and cost terms and finally the transformation to more adequate platform
- Select, build and contribute in the conception of new architecture with a clear target address the dynamic constraints, cost, performance and volume amplitudes before any investment or constructs.
- Emulate the impact and the opportunities to create new products and services that will result in sophistication of queries, organizational and exploitation challenges
- Define the right location/size and indexing to minimize latencies
- By integrating the database solution in the emulator, do you know which constituent in the supply change represents the highest risk on business evolution, in quantity, quality or cost? Can we identify alternatives to deviate the risk; can we organize them in ascending order of cost, complexity and time to deliver?

### Modeling Capabilities

- A mathematical analytical model for Oracle, DB2, Sybase, SQL Server xy installation using store procedures definitions and associated SQL, tables, indexes characteristics to compute (cache hit ratio, number of logical I/O, Physical I/O's, and processor requirements) for desired hardware configurations
- Compare the most effective scenarios to another database solution emulation and/or Accretive libraries of benchmarks (best practices)
- Each database solution, technology, offer and different versions are components in our libraries. We cover performance, throughput and cost.
- References in similar situations: McDonald's, US Cellular, French Social Security, Danske Bank, Stock Exchanges, ADP/Wilco, French Ministry of finance, First Data Corp, French Ministry of Defense, Soc Gen, Hogan systems
- Determine the "go forward" for business cases through "emulating prior to investing". Then monitor the execution and continuously find the most optimal option/ selection?
- Provide assurance the "go forward" configuration will scale. Define the base line and subsequent states of operation dynamics through a comprehensive dynamic dashboard

### In Our Libraries

- DB2 (both)
- ORACLE
- MySQL
- SQL Server, Sybase
- Sand

**Our patented X-Act database mathematical unique models provide you the assurance and the technology to satisfy all requirements of all the challenges above. Our Experts will help you the adoption of MBA method and excel the practice on its tooling**



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