



Accretive Technologies Center of Excellence

Business Service Emulation: The Insurance Policy to Project Success

Data Centers Consolidation through X-Act Predictive Platform

Successful Data Centre Consolidation strategy are achieved through X-Act definition of optimal prioritization and sequencing, migration strategies and cost management through the full process. Actual methods are reactive, partial or too abstract, unable to predict and determine the outcome ahead of decision and carry lot of subjectivity that prevents viable solution covering all constraints.

Challenges: How to be sure before you do? How much economy should you expect? Is any threat on service quality, business continuity or availability? Are you able to fit-in other optimizations while executing the plan? Are you addressing corporate challenges in terms of competitive and market pressures?

X-Act Predictive Emulator is the First holistic predictive tool that allows decision maker to equate effort to outcome, to insure the right sequencing strategy to drive the consolidation effort and maintain/ improve the relationships between QoS, throughput, and cost covering (ordered as: easy to complex and short to long term benefit):

- Server consolidation including localization, virtualization, partitioning/regrouping, sunseting option. X-Act predicts the outcome and suggests the sequencing
- Storage/ data consolidation including localization, splitting, partitioning, reorganization of tables and indexes, SQL optimization, clustering, prefetching, data silos. X-Act determines the right course of actions that minimize logical I/O's and maximize cache utilizations
- Software: here we cover two areas:
 - Infrastructure and common services software: as a result of the consolidation project X-Act computes the potential economy and define the best target implementation
 - Applications Software; Predictively, X-Act emulates the application services under different operational conditions: virtualization, stress, distribution/merger, partitioning, parallelism
- Rationalization of facilities/ silos cost: Real-Estate, personnel, energy (X-Act uniqueness), locations, and including amortization, breaking conditions, redeployment of infrastructure and security
- Network services: X-Act optimizes the relationship between traffic intensity, topology and bandwidth, to achieve the optimal cost and minimize network latency (segmenting, rerouting etc)
- Architecture adaptation and transformation: including operational redesign, technology selection/ optimization, definition of implementation and redeployment strategies (Batch processing, messaging, transaction splitting, roles of portals, data distributions and aggregations)
- Bridging the Business to IT gap through the implementation of X-Act patented service processes that encapsulate the service equation: throughput, QoS and cost

What we do?

We guarantee Success and share the benefits

- We build X-Act Emulator that represent the full stack: Business services processes, locations and implementation, applications, data, infrastructure and personnel
- We build a sequence of emulators that represent the desired final picture and the those correspond to different steps on the migration/ convergence trajectory
- Perform what if/ stress and sensitivity analysis on all emulators
- Displace, remove, collapse, localize, and expend components until the X-Act equation shows acceptable: cost, quality and volumes
- Build the plan: sequence of actions, expected benefits, critical success factors for monitoring the project

How we do?

We accompany the management, Train the team, build the emulators and monitor the execution

- A discovery phase with the aim of finely identifies the objectives and critical time window; build the “as is” reference emulator”. Form the project team
- Build a number of variations of the reference emulator corresponding to different scenarios that suite the business, the corporate constraints and the project window
- Build the optimal trajectory and obtain commitment
- Launch implementation, monitor the execution, fix the outstanding issues using the X-Act emulator

Success Stories

- First Data Corp
- Unedic
- Credit Agricole
- Reuters / BT Outsourcing
- La Poste