Service Virtualization CA LISA introduction

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innovate or die



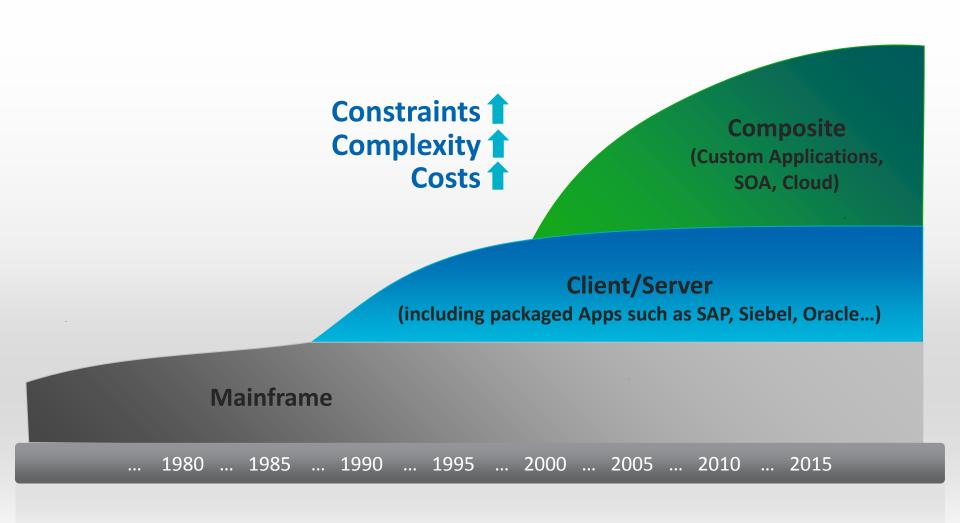




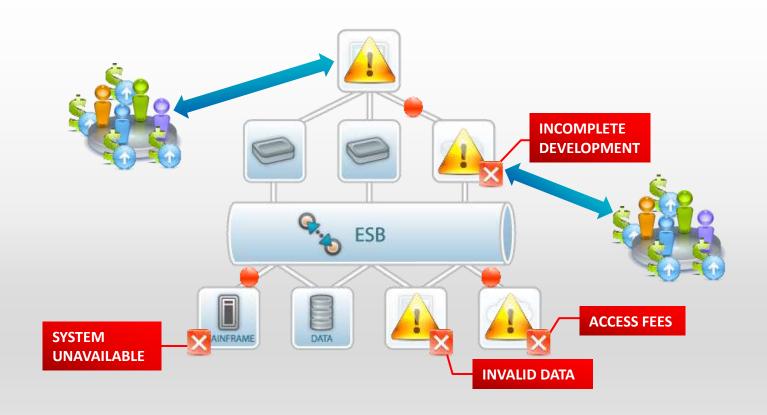
- The Product is the entire brand and customer experience
- Service oriented products are delivered late, over budget and with questionable quality...WHY?



changes in software development



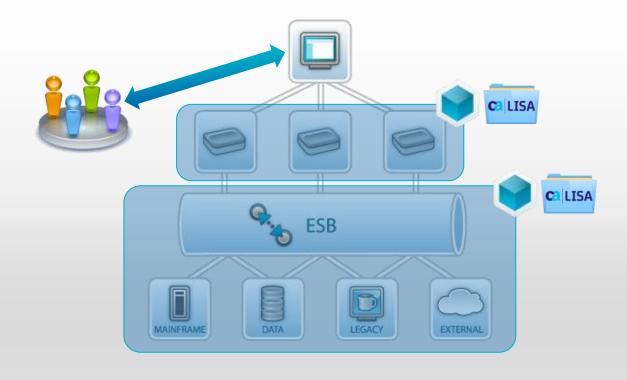
the big problem: constraints



"I can't do anything until I have everything... and I never have everything!"



solution: service virtualization





service virtualization how does it work?

CAPTURE PROCESS MODEL

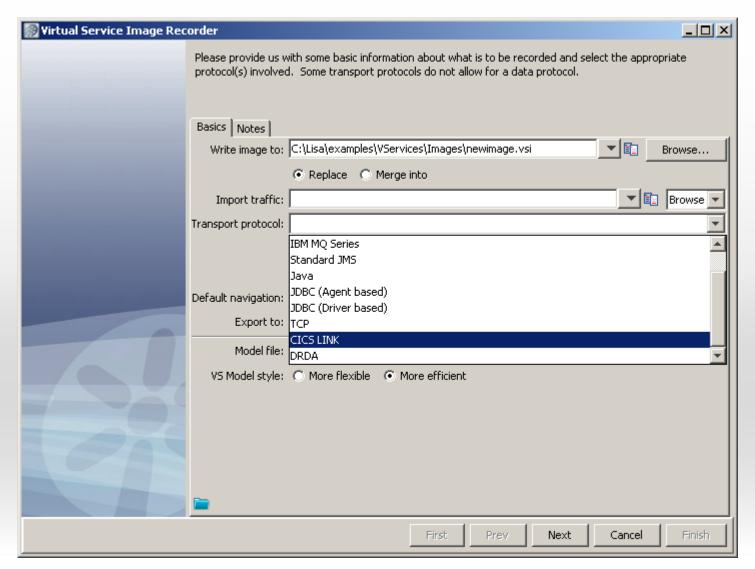
- Structured Conversations
- Observe
- Understand
- Protocol-Level
 - Recorded traffic
 - Design specs
 - Sample RR pairs
 - Transaction logs
 - Manual Creation
 - Byte-Code

- Heuristics
- Analytics
- Algorithms
- State

- Sophisticated Behavior
- Dynamic Properties (Dates, values, etc.)
- Scenario Support
- Developer Solution
- Compiled Model vs. Stubs
- Automatic Healing

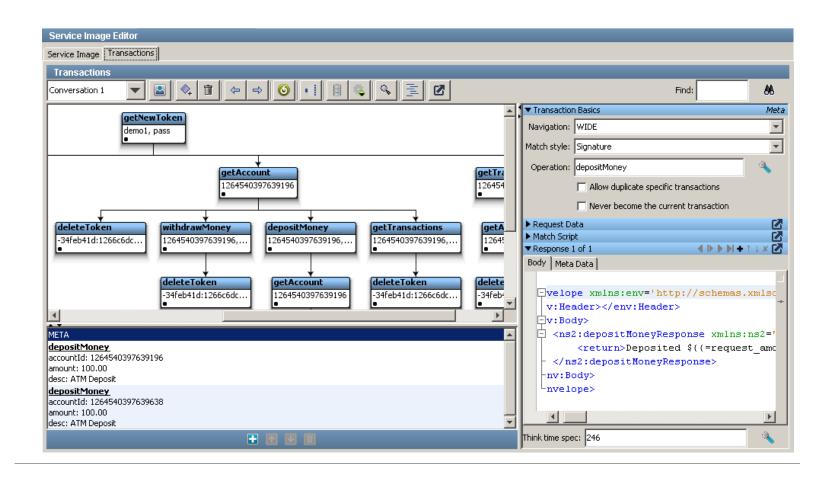


capture





process and model





where do we start? 3 common applications



Integration

- Mergers and Acquisitions
- "Business-in-a-Box"
- Application Modernization



Deadline Critical

- Value Release
- SDLC Optimization Opportunities
- Parallel Development



Performance Engineering

- Hardware Reduction
- Confidence in Application Scalability



customer examples



Integration

- Leading Bank
- "Bank-in-a-Box"



Deadline Critical

- Leading Telco
- iPhone Launch

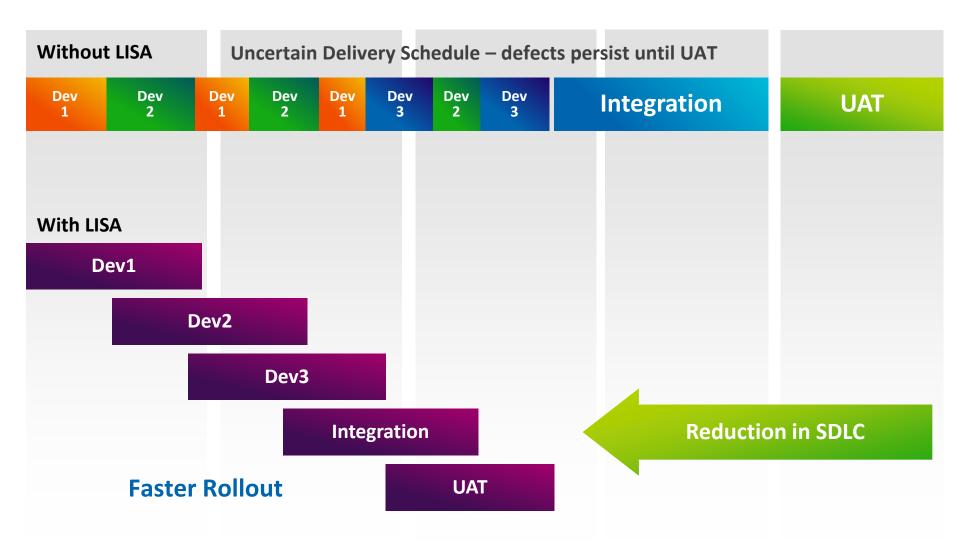


Performance Engineering

- Leading Bank
- \$30M+ HW Savings



constraint: schedule dependencies 1- "shift-left" the SDLC





constraint: infrastructure availability 2- infrastructure requirements reduction

BEFORE



Dev 1-*n*

 Contention for access between on-shore and off-shore teams



Test 1-n

 Environments not realistic and require manual data and maintenance



Integration 1-n

 Constrained mainframe and complex coordination cycles stunted agility



Pre-Prod 1-n

 Mainframe access required for any testing

AFTER



Virtual Environments for Dev/Integration/Test/Pre-Prod

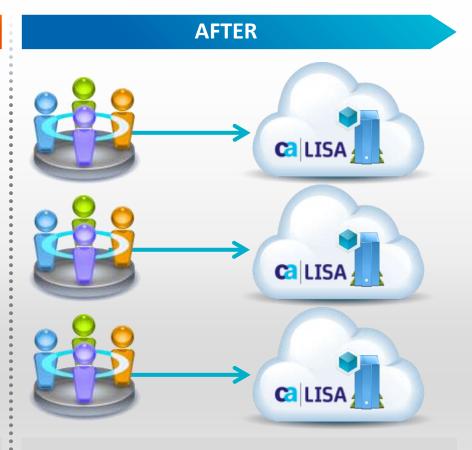
- Eliminated need for mainframe in most scenarios
- Avoided \$10M infrastructure cost by eliminating a mainframe expansion
- Avoided potential millions of dollars of availability charges



constraint: system availability 3- performance readiness

BEFORE Shared Mainframe **Service** Or similar heavy-weight implementation environment

- Constraints affecting performance team productivity, with inability to isolate flaws
- \$700k per year to build and maintain stubs with only limited functionality

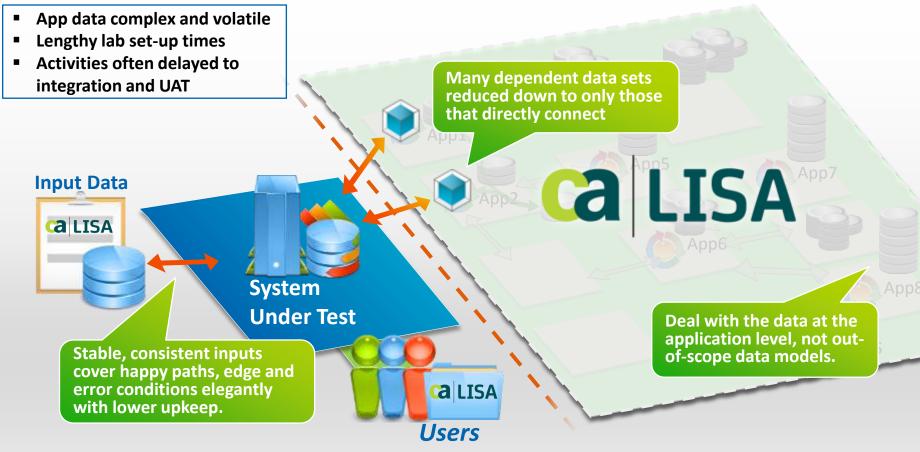


- 300% more performance coverage, even at a component level
- Avoided \$20+ million in new infrastructure investment



constraint: data volatility 4- data & scenario management

Before



- 30-day sprints for this implementation were reduced by 15-25 %
- Data setup time reduced by 68% by providing smart data
- Automated data and scenario creation



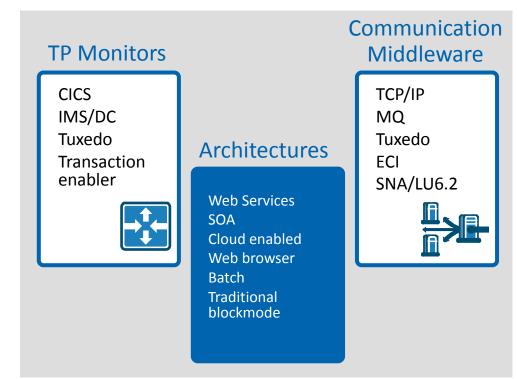
Flexible application development with CA Gen supporting multiple deployment platforms and architectures

User Interfaces



Languages

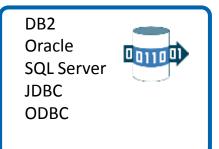




Operating Systems



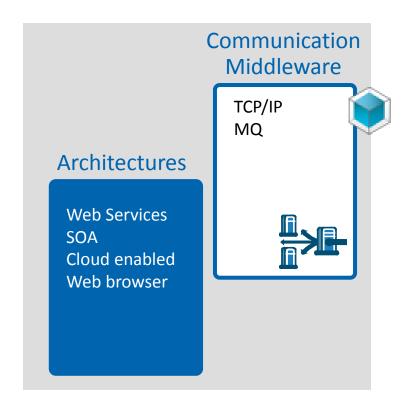
Databases



Generate entire applications or integrate with existing application components



Complementing CA Gen with Virtualization



- Integration boundaries between systems.
 - Test services before the GUI is completed
 - Virtualize services that GUI development requires
 - Decouple development teams so that they can work in parallel.
 - Load test individual components,
 Service Level Decomposition.



our customers' experience

- Reduce infrastructure costs
- Reduce time to market
- Detect and fix bugs earlier in the cycle



CA Expo'12- Did you know?

- Was: CA Expo'12 Größtes Treffen von CA Technologies Kunden, Partnern, Spezialisten aus dem Anwenderkreis und von CA Technologies
- Wann: 30. Oktober 2012 (29.10. User Group Meetings, Partner/MSP Day)
- Wo: Congresscenter Rosengarten Mannheim
- Ausgewähltes Fachprogramm mit namhaften Kundenbeiträgen (LH Systems, T-Systems, A.T.U., SAP, AXA, LVM Versicherungen....)
- Ausstellung mit 20 Informationsständen von CA Technologies und Partnern
- Interssante Keynotes zu Markttrends, Business Service Innovation und Non-IT-Vortrag "Schnell und sicher entscheiden" von Dr. Markus Merk
- Networking in der Ausstellung, den Pausen und beim Get-together
- Jetzt handeln: http://ca.com/caexpo/mannheim
- Termin reservieren anmelden IT beschleunigen Geschäftserfolg maximieren!



Thank you

