

strategies
data validation
systems
innovation
performance
reliable
efficient
advanced
digital
complexity
simulation

ePASA

Solving system complexities in business and government



NICTA's e-Government Performance Assessment for Service Architectures (ePASA) team has created technologies that allow organisations to confidently build, manage and alter the large complex ICT systems that support the delivery of vital services to customers. ePASA helps users uncover the performance details of large systems and to spot the problem areas that could cause them to fail. Possible changes to an IT system are simulated rapidly so that system alterations and upgrades can be implemented safely, providing more reliable delivery of services and avoidance of catastrophic meltdowns. ePASA is now a commercial-ready technology developed through a program of empirical research with partners in government and industry.



The Features

- NICTA ePASA is a modelling and simulation technology that allows organisations to flush out the performance characteristics of their complex IT environment
- Used in heterogeneous environments to model end-to-end systems, regardless of specific vendor components
- 'What if' simulations allow the architect to explore alternative system designs and therefore avert performance problems before system implementation.

The Benefits

- NICTA ePASA can help you determine whether new customer-facing systems will meltdown under heavy load before they are deployed in production
- System modelling features allow the end to-end components of internal and customer-facing services to be fully captured and simulated
- Cost effective performance and system availability risk management
- When used throughout the project lifecycle, ePASA will detect serious architectural flaws to save time and massive re-work costs.

The NICTA Approach

NICTA technologies are based on scientific rigour and developed in collaboration with public and private sector trial partners to provide 'real-world' technology validation. NICTA ePASA has been refined and tested through extensive field trials that have repeatedly demonstrated measurable business value to collaborating partners.

The Future

- NICTA ePASA is available now for proof-of concept and production-scale deployments in financial services, utilities and telcos, retail and logistics, public sector agencies and defence
- We continue to seek delivery partners to acquire ePASA implementation capability
- We are seeking strategic innovation partnerships with customer organisations that want to help shape the future technology directions of the solution.

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