Fact Sheet: IBM Testing Services for Cloud

Identify high-priority, cost reduction opportunities
Due to the demand for applications that are easier to use, more flexible and more connected to real-time data, business applications are becoming more dynamic, distributed and component-based. Consequently, testing and delivery of these applications are rising in importance and criticality. Many organizations are confined to the old way of testing applications–with manual processes and multiple test environments–and they cannot keep up with the testing requirements of complex, distributed, multi-tier application environments.

The IBM Testing Services for Cloud offering will help clients:
• Build a business case for a cloud test environment
• Determine a cloud testing strategy and roadmap aligned with business goals
• Create a more productive, agile and dynamic test environment

Benefits of Cloud Testing Platforms
Test environments can be complex, yet critical to offering innovative solutions and meeting changing market demands. Cloud test platforms have emerged to provide new levels of cost, time and resource reduction, life cycle improvements and faster time-to-market. Cloud test platforms help customers optimize their software test and delivery lifecycle for greater quality and agility in an environment of constant change.

Portfolio of Assessments Help Establish the Business Case
Through this offering IBM consultants can help clients develop a solid strategy and implementation roadmap. The following assessments can be used alone, or in conjunction, to help enterprises establish a business case for conversion to a cloud test environment:

Defect Analysis Starter (DAS)
The IBM Defect Analysis Starter™ is a proprietary, patented assessment that identifies high priority cost reduction opportunities associated with software test practices and defect prevention, including defects associated with the test environment. The assessment utilizes an IBM approach that encompasses classification and analysis, benchmarks based on defect data collected for nearly two decades and mapped to industry, quality level and test phase/activity, and metrics to objectively quantify and prioritize risk and opportunity, as well as measure quality. The final report will provide analysis results, improvement opportunities and a high level business case for future initiatives.

DAS for the Environment
The IBM Defect Analysis Starter (DAS) for the Environment extends the IBM Defect Analysis Starter assessment tool by identifying cost reduction opportunities associated with implementing a cloud and application virtualization solution for the test environment. It includes environment defect classification of client provided defects, analysis and measurement of environment risks, and assessment of opportunity for defect and cost reduction due to standardization, automation and virtualization. It also identifies and recommends specific actions to reduce risk and cost associated with developing and testing systems or applications.

Server Consolidation/Virtualization Assessment
IBM's server consolidation/virtualization assessment option can be used by firms moving in this direction. It builds a business case through in-depth analysis of the current environment and provides a projected return on investment (ROI) and total cost of ownership (TCO). This report, which can be completed independently, or with the other two capabilities for a more comprehensive cloud testing strategy, will provide clients with potential annual savings of IT operations.

Business Value Assessment and Application Virtualization
Before a client can understand the benefits of application virtualization, a Business Value Assessment needs to be performed. The Business Value Assessment provides a total cost of ownership and return on investment analysis to implement application virtualization.

Application virtualization models the behavior of the system under test and stores the model and behavior in a virtual environment for later testing, increasing the speed and effectiveness of testing. Multiple virtual test environments can be customized to provide productivity and time-to-market gains by enabling more parallel development across interdependent teams.

Assess and then implement with the IBM cloud portfolio
Clients can begin their transformation to a more productive, agile environment through advanced virtualization, rapid provisioning, elastic scaling and flexible pricing with IBM Testing Services for Cloud. By leveraging innovative and advanced proprietary test practices and methodologies to help clients build their cloud test business case, once a test cloud strategy is developed, IBM can help execute based on its cloud delivery and implementation expertise.

For more information, visit www.ibm.com/services/cloud