



Tech
Mahindra



ENABLING HIGH PERFORMANCE CLOUD

Tech Mahindra presents Cloud Performance Testing as a Service (PTaaS) a solution that address the performance needs of cloud applications



Connected World.
Connected Solutions.



Overview

As per an IDC survey, CIO's face two major concerns pertaining to cloud computing which are performance and availability. Moreover, according to a Compuware survey, 73% of the respondents want transparent impact on application performance from cloud providers. As a result, 75% of companies are concerned that lack of control will restrict the full optimization of the end-user experience and ROI of applications on the cloud. These concerns and requirements present a clear case for the need to have a robust and effective quality gate to validate cloud solutions performance before the services go live.

Tech Mahindra's Performance Engineering practice provides comprehensive offerings to counter these performance issues, focusing on quality, accuracy, transparency and clear view of quantified benefits to customers.

Challenges

- Difficulty in ensuring effective performance of a digital IT stack
- Difficulty in defining service level agreements and performance thresholds for customer facing applications

Benefits

- Improved end user experience and higher availability of IT stack
- Upfront visibility of cloud CAPEX resource utilisations, optimisations and financial limitations
- An extensive suite of performance test framework and accelerators to integrate and test any cloud implementation

Service Offerings

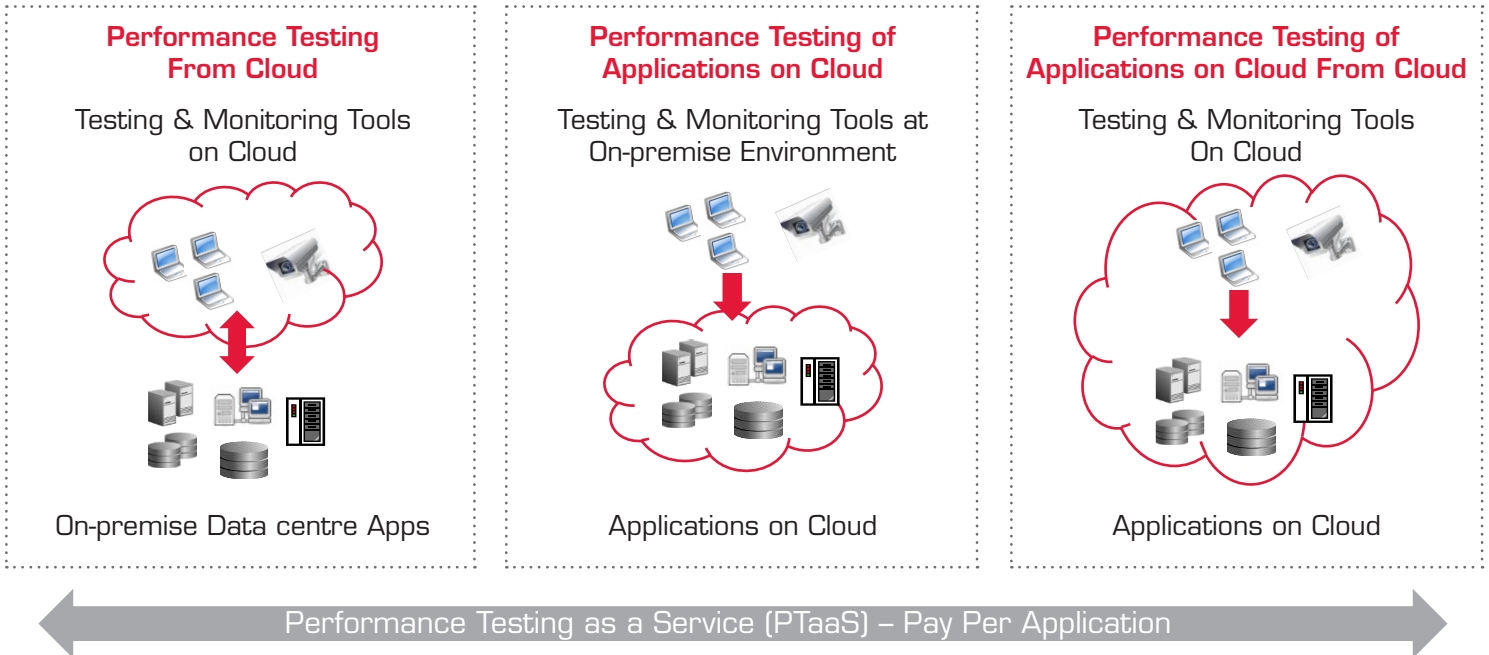
- Cloud performance consultancy – selection, implementation and instrumentation of suitable performance test & monitoring tools on cloud
- Application performance testing on cloud – performance testing of applications on cloud
- Cloud performance monitoring – real time performance monitoring of cloud and applications
- Testing application's performance from cloud across geographies
- Flexible Performance Testing as a Service model (PTaaS) – pay per application

Differentiators

- Upto 40% cost saving with pay per use models for performance testing
- Experienced team to handle exceptionally large scale tests with 150000 user simulation from cloud performance test platform
- An in-house Cloud Performance Engineering Lab & Tech Mahindra's own framework to test, data manage, measure and analyze
- Partnership with leading cloud tools and technology providers ensuring access to a rich pool of resources and support

Salient Features

- Strategic solution to emulate the real life scenarios with all the right performance evaluation setup and framework
- Expertise to provide detailed performance analysis of multiple technologies and applications hosted on diverse cloud platforms
- The ability to quantify end user experience, cloud specific metric towards upfront visibility of cloud purchase credits
- Ability and agility to commission, deploy and optimally deliver load generating capability from multiple geographic locations
- Complexity based costing models to performance test on a pay per test basis



Tech Mahindra advantage

- A competency delivery group with 1200 resources dedicated towards various facets of Performance Engineering
- Readily available Jump-starts through reusable assets, methodology and frameworks
- Partnership / experience with leading performance test tooling vendors like NeoLoad, HP and performance monitoring tool vendors like Compuware and CA
- Experience in providing Cloud and Performance Testing consultancy across a range of domains and technologies

Case study

- Tech Mahindra's cloud performance solution helped a Tier-1 Europe Healthcare & Logistics provider in increasing business into 20+ diverse geographic locations and optimized performance testing setup.
- Tech Mahindra PTaaS solution helped Tier-1 US Telecom customer to be the top seller (New Phone Launch) with 68% of local market share & improved end customer experience. It helped to deliver state-of-art high volume ad-hoc tests with 13000 virtual users generating 1200+ transactions / sec. This test execution was conducted on production servers with real time virtualization but with "zero" impact to existing online customers.



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About Us:

Tech Mahindra represents the connected world, offering innovative and customer-centric information technology services and solutions, enabling Enterprises, Associates and the Society to Rise™. We are a USD 4.2 billion company with 107,200+ professionals across 90 countries, helping over 818 global customers including Fortune 500 companies. Our innovation platforms and reusable assets connect across a number of technologies to deliver tangible business value to our stakeholders. Tech Mahindra is also amongst the Fab 50 companies in Asia as per the Forbes 2016 List.

We are part of the USD 17.8 billion Mahindra Group that employs more than 200,000 people in over 100 countries. The Group operates in the key industries that drive economic growth, enjoying a leadership position in tractors, utility vehicles, after-market, information technology and vacation ownership.

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