

DATAMATICS

CLOUD TESTING SOLUTION

Continuous Integration – Continuous Deployment – Continuous Testing





In today's business world, Cloud and Digital space drives business growth, customer experience, and optimization. This is leading organizations to adopt Cloud at various stages of their lifecycle. It is imperative to have the right testing strategy for Cloud application migration and implementation

for a faster go-to-market. Cloud Testing solution that follows the DevOps paradigm of Continuous Integration – Continuous Deployment – Continuous Testing (CI/CD/CT) is the mandate of a dynamic market.

CHALLENGES IN CLOUD TESTING

Adoption and migration of an existing application to the Cloud Native environment has its own set of challenges –



Infrastructure availability and stability issues within the larger context of business growth, failure in configuration, network, security, etc.



Big Data related issues, such as inconsistent data transformation, data duplication, etc.



Container-based integration causing functional issues, compatibility issues, etc.



Application availability, scalability, and security related issues in the non-functional requirement context

DATAMATICS CLOUD TESTING SOLUTION

To accelerate time-to-market, organizations need holistic testing solutions those cater to Cloud transformation journeys in the various stages of the Cloud practice maturity.

Datamatics Cloud Testing, as a part of the Enterprise Digital Assurance, helps organizations to address challenges related to Cloud Testing with Shift-Left and Shift-Right testing options for all Cloud Transformation related use cases. For example: Custom Application migration, Data on Cloud, Legacy Modernization, Cloud Native Application, and SaaS packages.

With AI-based automation tools, Datamatics Cloud Testing uses maximum automation across the DevOps paradigm of Continuous Integration – Continuous Deployment – Continuous Testing (CI/CD/CT).

Datamatics Cloud Testing offering focusses on four key areas in the Cloud Migration:

Functional Testing

- >> **Validation of migrated apps** in Cloud environment
- >> **Testing of microservices and containerized applications** in Cloud Native environment
- >> **Omnichannel testing** of applications used on mobiles, web, and tablets
- >> **Testing of legacy applications**, which are modernized and migrated to Cloud

Non-Functional Testing

- >> **Performance** – Reliability, availability, scalability, stress, and load testing
- >> **Security Vulnerability** – Penetration testing and validation on Cloud across multiple platforms



Infrastructure Testing

- >> **Environment Readiness Testing** – Validation environment availability as per manual or automated scripts for infra by code
- >> **Operational Testing** – Disaster Recovery test, fail-over test, high availability test, and AB test

Cloud Data Testing

- >> **Data Migration Testing** – Data centre migration from on-premise source to Cloud target testing
- >> **Data Lake Validation** – Validation of Data Lake being setup on Cloud

The offering leverages Datamatics Big Data Testing framework, best practices from Cloud CoE and Testing practice, partnership with AWS and MS Azure Cloud, and AccelQ AI based automation testing solution.

Datamatics has a dedicated Cloud practice with industry certified Cloud Architects in AWS and MS Azure.

Flexi-licensing and higher discounting models through vendor alliance partnerships help make it a cost-effective offering for clients.

BENEFITS OF CLOUD TESTING

All the above aspects help organizations achieve:

- >> 35% cycle time reduction
- >> 70% increase in productivity
- >> Zero critical defects in production
- >> Sustained critical path approach through CI-CD-CT
- >> Faster go-to-market
- >> Higher degree of product viability

KEY AWARDS & RECOGNITIONS



Datamatics named as 'Leader' in IAOP 2021 Global Outsourcing 100 List of the world's best outsourcing providers



Datamatics recognised at UN Global Compact Network India Innovative Practices Award "Women at Work" 2020



TruBot recognised at Gold Stevie Award 2020 for 'Sales & Customer Service'



TruCap+ wins People's Choice Stevie Award 2020 for 'Favourite New Products'



Rail Analysis India Award 2020 & 2019 for Automated Fare Collection technology



MRSI Golden Key Award 2019 for 'Best Business Impact through Analytics'

ABOUT DATAMATICS

Datamatics provides intelligent solutions for data-driven businesses to increase productivity and enhance the customer experience. With a complete digital approach, Datamatics portfolio spans across Information Technology Services, Business Process Management, Engineering Services and Big Data & Analytics all powered by Artificial Intelligence. It has established products in Robotic Process Automation, Intelligent

Document Processing, Business Intelligence and Automated Fare Collection. Datamatics services global customers across Banking, Financial Services, Insurance, Healthcare, Manufacturing, International Organizations, and Media & Publishing. The Company has presence across 4 continents with major delivery centers in the USA, India, and Philippines. To know more about Datamatics, visit www.datamatics.com

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