

A man in a dark suit, white shirt, and striped tie is shown from the chest up. He is looking upwards and to the left, with his right hand raised, index finger pointing at a glowing blue rectangular button on a futuristic digital interface. Several other similar buttons are floating in the air around him. The background is dark with a diagonal split: the top right is black, and the bottom left is white. The overall theme is technology and automation.

Tech Mahindra

eConvergence | Ubiquitous Test-Reporting Automation

Automated Reporting & Governance Dashboard, Powered with AI based Predictive Analysis

Connected World.
Connected Experiences.

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**eConvergence -
Automated Reporting
solution makes reporting
easy & Comprehensive**

Simplifying the Quality
Assurance activities!

Test Reporting and Governance tool for Unified View

As specialists in testing services, we create solutions and services to help you integrate all your test processes for single and better view. Tech Mahindra's eConvergence targets a gap in the market for cost optimization through test management and automated reporting tools.

eConvergence integrates with the existing test tools such as HPQC, HPALM, RQM, SharePoint, Jira, X Ray and provides an advanced toolset to enhance how we can interact and report on the test data. It is a Lean solution enabling efficiencies and effort saving across a variety of tasks from test teams and customer teams

Current Challenges

Organizational reporting needs vary across different testing teams and currently available tools are unable to integrate with all the testing tools across the STLC and provide desired customized results. Some of the challenges faced by teams are:

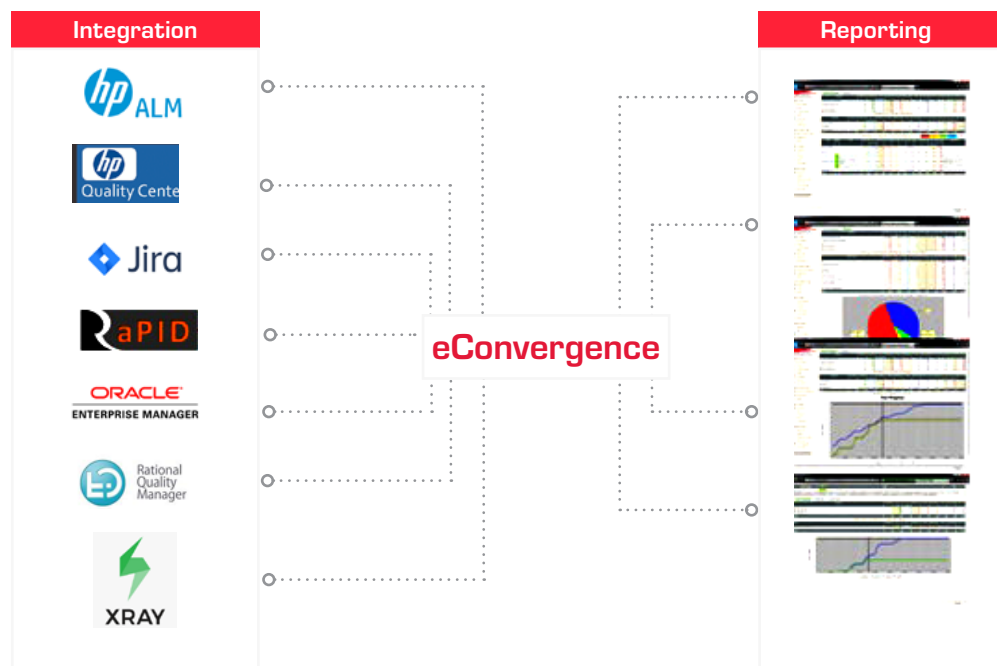
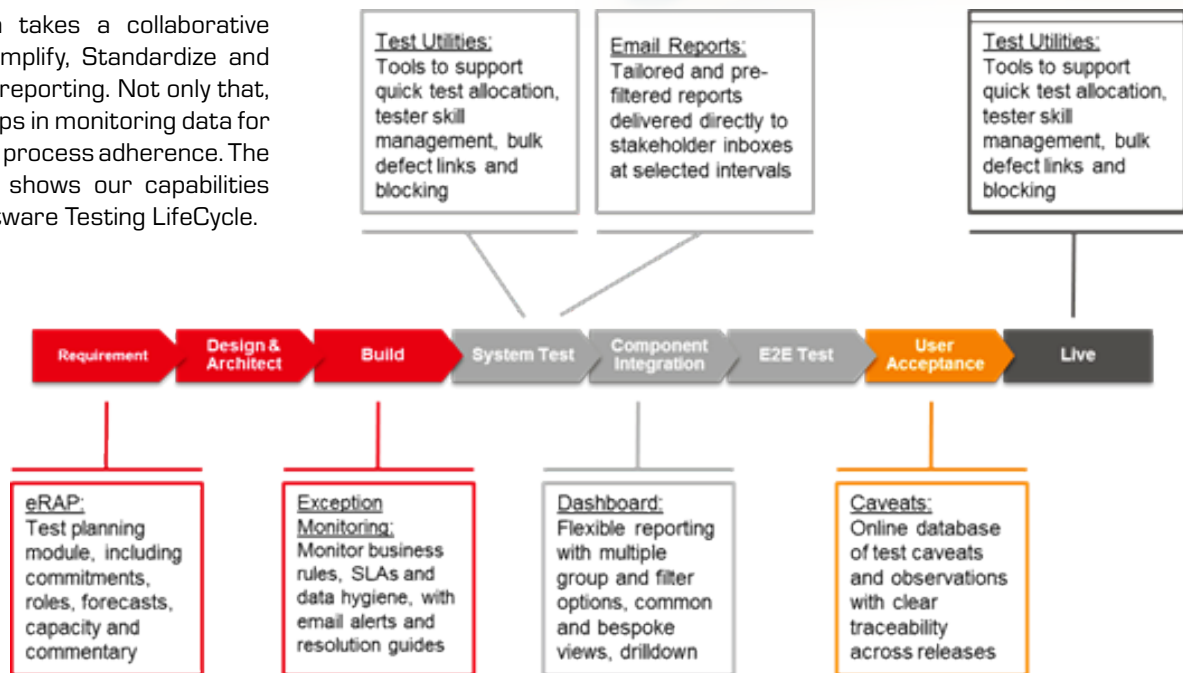
- Insufficient reporting options in the Test Management Tool
- Manual reports taking hours to produce
- Complex to report across Multiple projects and Multiple Sources
- Tracking and Monitoring of KPIs and SLAs
- Tracking and Implementing best practices
- Mistakes in manual delta reports
- Inconsistent format of manual reports
- Report improvements only localised
- Cost of reporting centrally and via test leads had become significant

In addition, the traditional test tools could be slow and cumbersome to use and offered insufficient capability to monitor and apply process governance.





Tech Mahindra approach

Tech Mahindra takes a collaborative approach to Simplify, Standardize and Automate test reporting. Not only that, the tool also helps in monitoring data for quality, SLA and process adherence. The below diagram shows our capabilities across the Software Testing LifeCycle.



Differentiators

Tech Mahindra's eConvergence integrates with all testing tools and provides a single customized view for all different stakeholders. A feature comparison list is provided below:

Features	eConvergence	 Quality Center Application Lifecycle Management	 ALM
Cross Project Reporting Data from multiple sources in a single report	✓	✗	Partial
Multi-Level Filtering Can reports be easily filtered at multiple different levels?	✓	✗	✗
Exception Monitoring Proactive reporting of data discrepancies	✓	✗	✗
Threshold Monitoring Highlighting when preset threshold levels are reached	✓	✗	✓
Unlicensed Reporting Access Can users run reports without needing a license?	✓	✗	✗
Pre-Filtered Excel Cross Project Exports Getting data into Excel fast	✓	✗	✗
Reporting Across Test Tools Combine reporting across HPQC and HPALM versions	✓	✗	✗
Zero Scripting Can complex reports be produced without paying experts?	✓	✗	✗
Measures Fast reporting on trends over long time periods	✓	✗	✗
Zero Impacts to Operational Performance Does the solution avoid load on your production test tools?	✓	✗	✗
Automated Test Allocation Tools to auto-allocate responsible testers and plan execution	✓	✗	✗

Benefits

- eConvergence will typically replace 90% of your reporting needs out of the box. Additional reports can be customised quickly to deliver a reduction in reporting effort
- eConvergence Dashboard view allows test leads to focus on leading instead of reporting
- Reports are tailored to different stakeholders from the same base data
- Central reporting functions can either be reduced, or up-skilled to undertake more important business intelligence and analysis

Case in Point

One of the large Global Telco

- Reported on over 700,000 tests and 150,000 defects`
- Single implementation covering five distinct Lines of Business
- Cached and reported on data from multiple projects from HPQC / ALM
- Massively improved stakeholder relationship with real time report
- Complex cross-project and cross-LOB reporting now simplified
- Transformed interaction between testing, delivery and customers

Tech Mahindra

Tech Mahindra represents the connected world, offering innovative and customer-centric information technology experiences, enabling Enterprises, Associates and the Society to Rise™. We are a USD 4.9 billion company with 131,500+ professionals across 90 countries, helping 946 global customers including Fortune 500 companies. Our convergent, digital, design experiences, innovation platforms and reusable assets connect across a number of technologies to deliver tangible business value and experiences to our stakeholders. Tech Mahindra is the highest ranked Non-U.S. company in the Forbes Global Digital 100 list (2018) and in the Forbes Fab 50 companies in Asia (2018).

The Mahindra Group is a USD 20.7 billion federation of companies that enables people to rise through innovative mobility solutions, driving rural prosperity, enhancing urban living, nurturing new businesses and fostering communities. It enjoys a leadership position in utility vehicles, information technology, financial services and vacation ownership in India and is the world's largest tractor company, by volume. It also enjoys a strong presence in agri-business, aerospace, commercial vehicles, components, defense, logistics, real estate, renewable energy, speedboats and steel, amongst other businesses. Headquartered in India, Mahindra employs over 2,40,000 people across 100 countries.

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