
Redefining Test Automation by Innovating Possibilities

Test Optimization to Align Business with IT



Universal Technology Solutions



TestMagic- An Enterprise Test Solution

Compatibility/Interoperability Testing

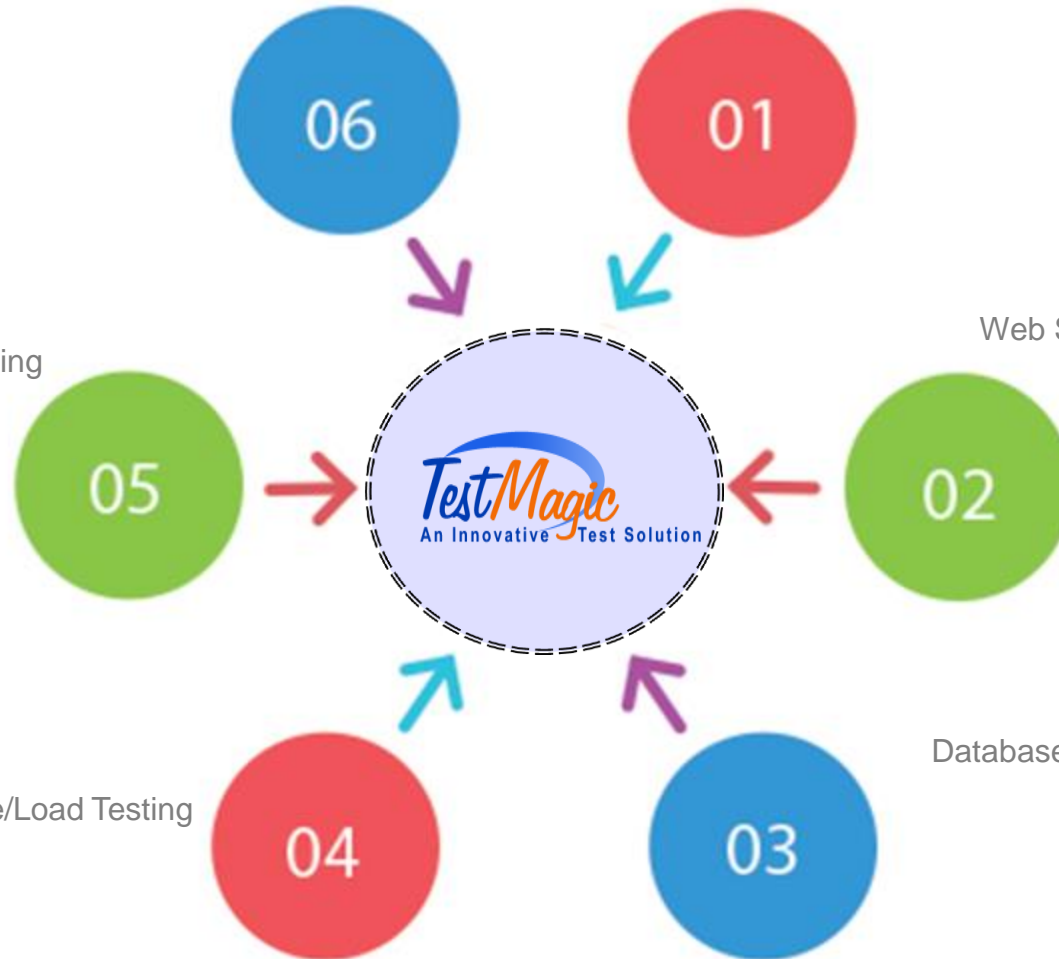
Functional/Regression/Integration /UAT/Installation Testing

Security Testing

Web Service (SOAP+REST) Testing

Performance/Load Testing

Database Testing



TestMagic ???



Automatic Script Creation
based on Business Process
Technique



Inbuilt Defect Management
with Integration with Bug
Tracking Tools



Integration with Test
Management Tools



Robust Scheduling
Mechanism



Continuous Server
Integration



Risk Based Test
Execution



Robust Test Data
Mechanism



Image and PDF
Comparison



Version Management



Multi Lingual Support



LAN/Cloud/WAN/Virtualization
/Citrix/Single Sign on Support



Conditional and Parallel
Execution

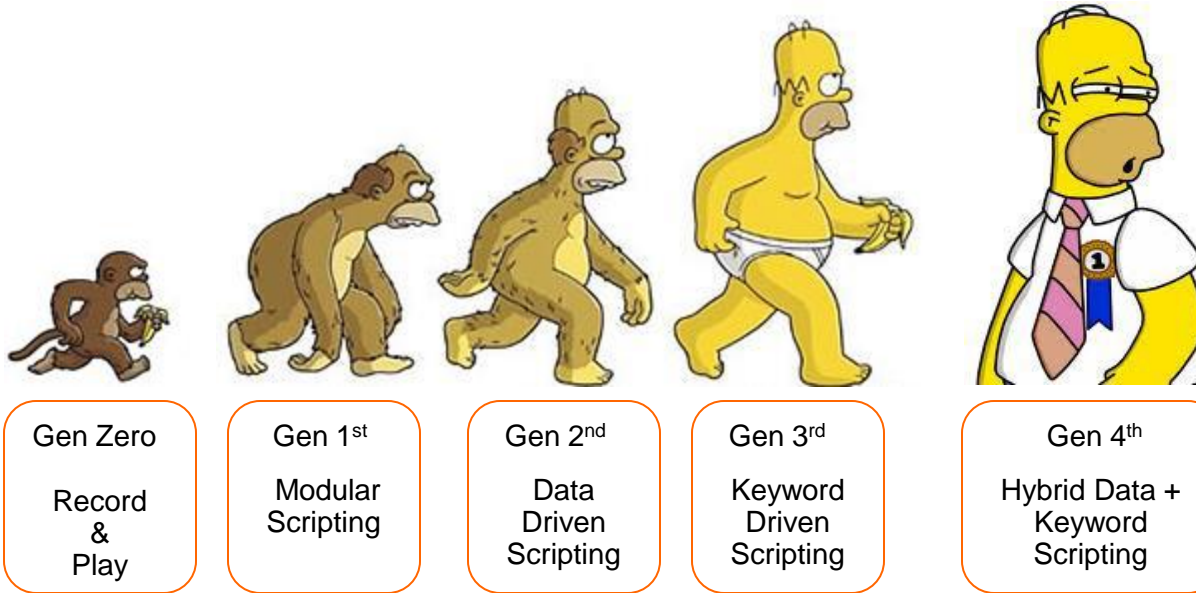
Unique
Features



Major
Clients



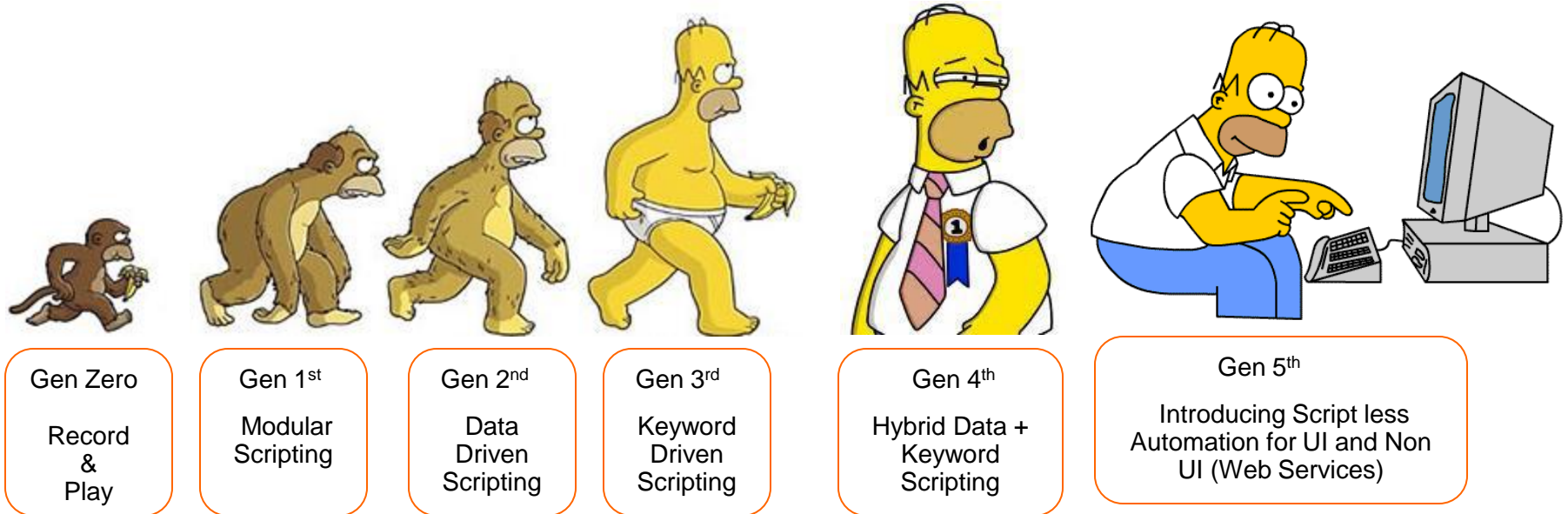
A Step towards innovating possibilities



Other Tools works on above approach which needs resources with good knowledge of scripting (Development) + Domain + Testing Skills..... which is a big challenge and turned into bottleneck for the expected benefits from automation.



by redefining test automation.....



eZ on-click KWD test scripts

ObjectName	Input Value	Expected Value	Action	Step Description
Username		TRUE	Verifytextboxexists	Verify Textbox Username is present on page
Username	XYZ		Settext	Enter text XYZ in field Username
Password		TRUE	Verifytextboxexists	Verify Textbox Password is present on page
Password	abc@123		Settext	Enter text abc@123 in field Password
Login		TRUE	Verifybuttonexists	Verify Button Login is present on page
Login			ButtonClick	Click Login Button
	Welcome	TRUE	Verifymoneditabletext	Verify Text Welcome is present on page

Manual Execution

Data Driven

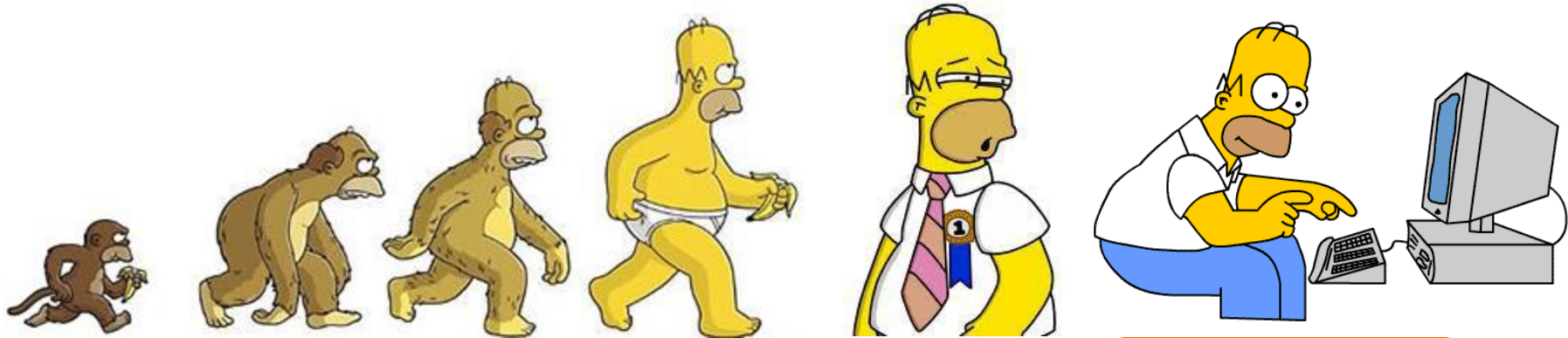
eZ execution engine

Automated Execution

TestMagic™
An Innovative Test Solution



introducing revolution in test automation...



✓ Script less Test Automation

Gen 5th

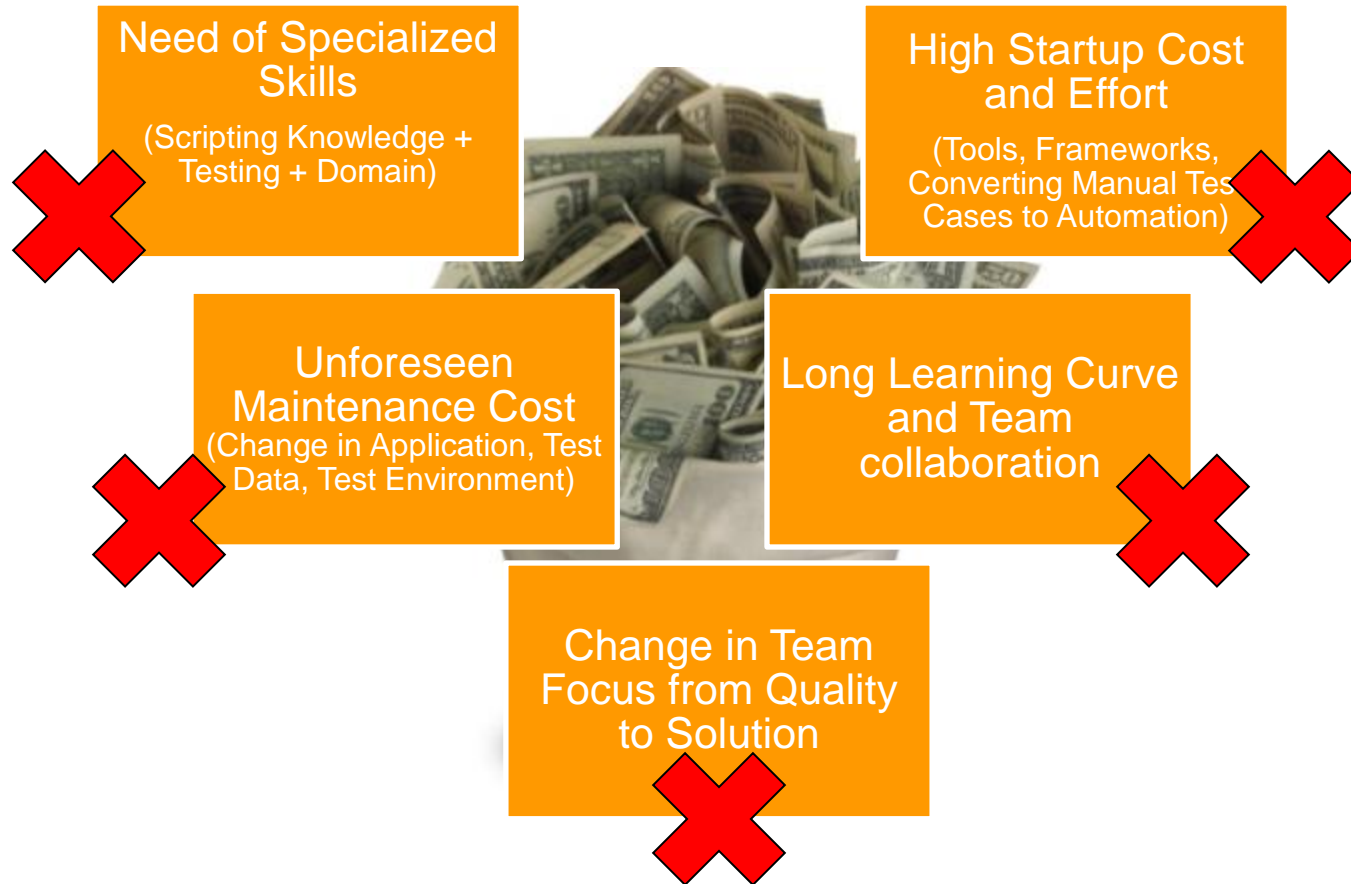
Introducing Script less
Automation for UI and Non
UI (Web Services)



TestMagic™ is an **ENTERPRISE SOLUTION**, supporting **Multi Platforms** (Web, Mobile, Oracle, Window, SAP, Mainframe, AS400.. & more), **Multi OS** (Linux, Unix, Windows, Mac, Android, iOS & Blackberry), **Multi Device** (Desktop, Mobile, IPad/Notebook/Tablets), **Multi Browser** (IE, Firefox, Chrome, Safari, Android, iOS), **Multi Lingual** with **Multi Level Reporting**.



by eliminating challenges to Align business with IT



Test automation is not as easy as it seems to be: just procure one of the **TestMagic™** popular test execution tools, record **navigate** the manual tests, and then play them back whenever you want to.










and simplifying ROI

ROI Simplified
By
Innovating Possibilities

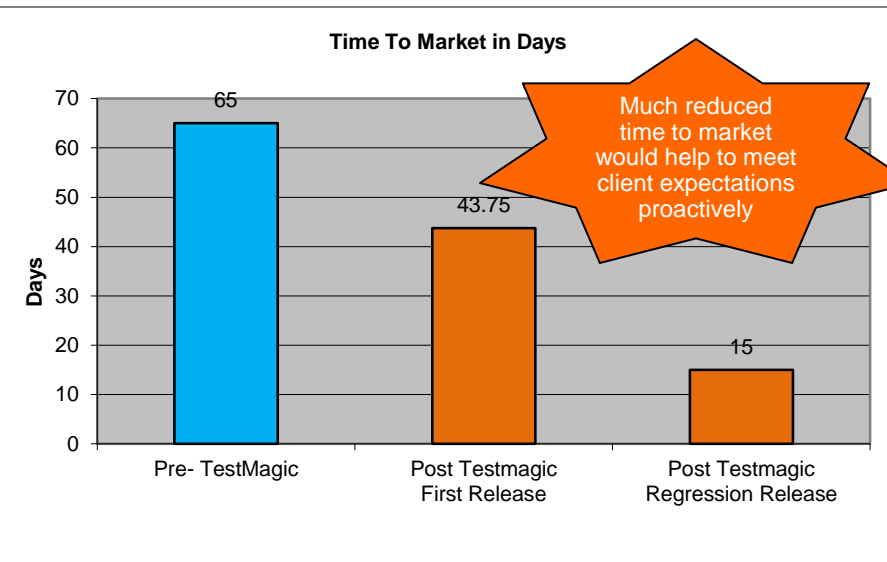
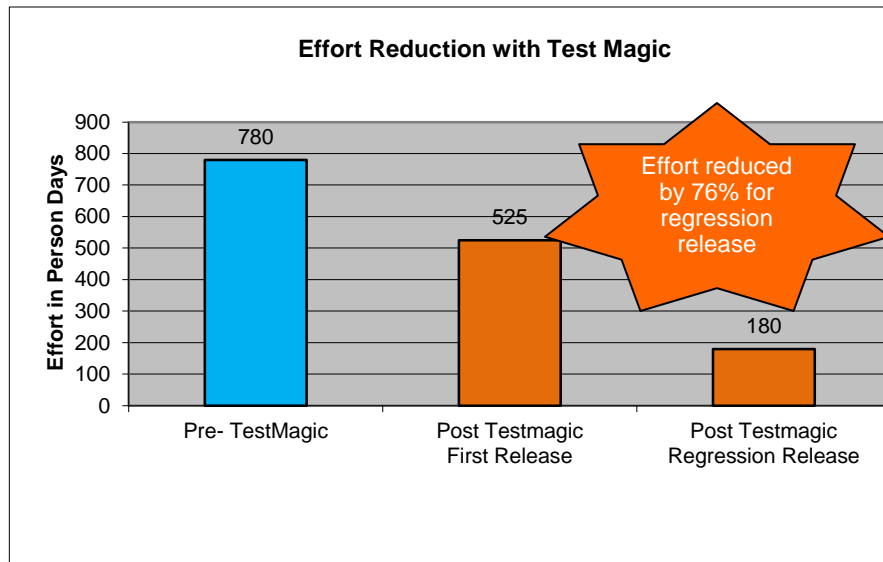
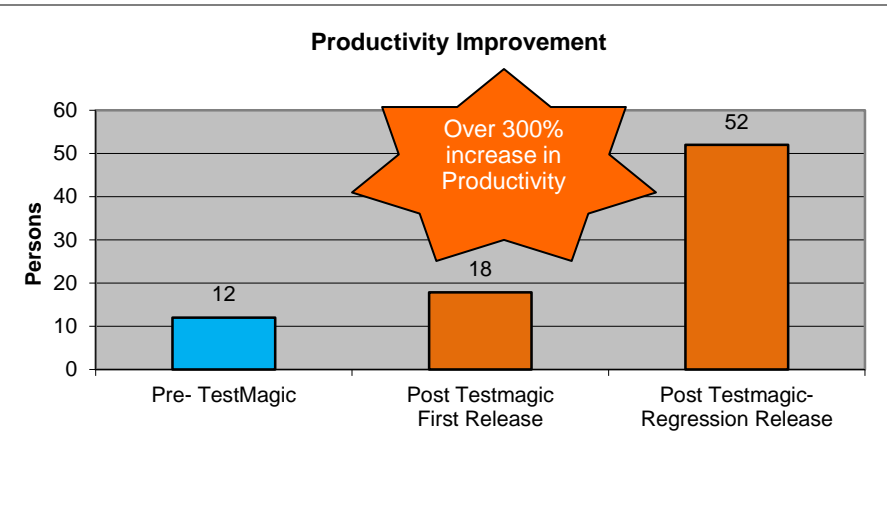
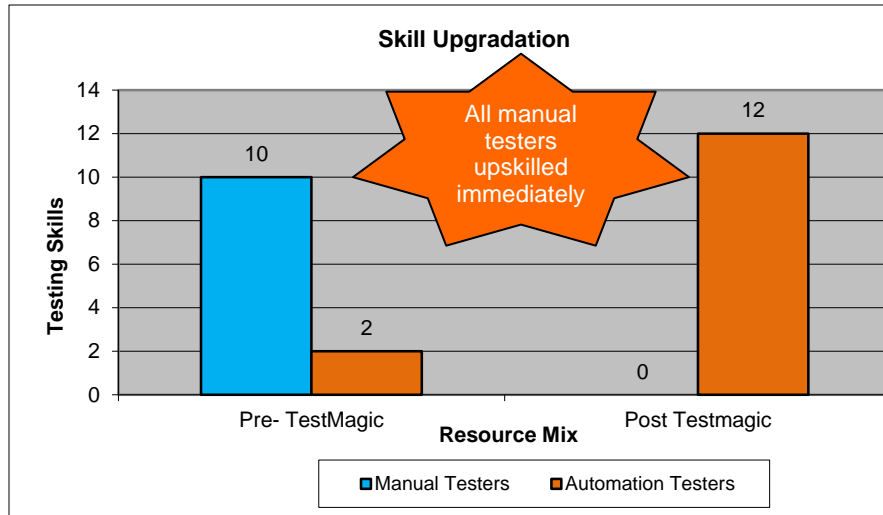


Automatic

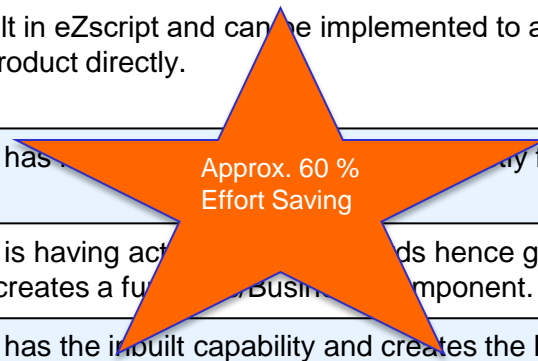
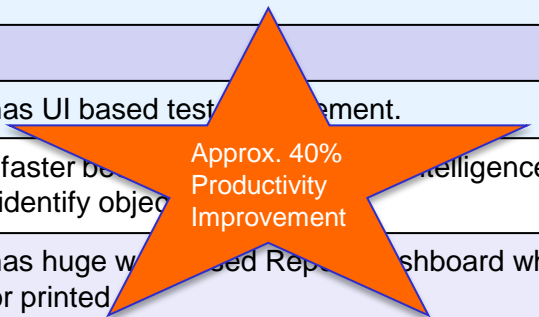
-  Identification the automation tool / Methodology.
-  Define the automation test strategy & approach
-  Test automation framework/solution creation based on best suited automation methodology as per need such as
 - Record & Play or
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 - Keyword/Data Driven or
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 - Customization of automation existing solution
-  Framework/Solution validation to confirm its correctness that It is rightly build
-  Automation of the manual test cases selected as automation candidates
-  Automation Test Execution
-  Reporting the issues/defects from team and merging/publishing reports of a release



with drastic Test Metrics Improvements.....

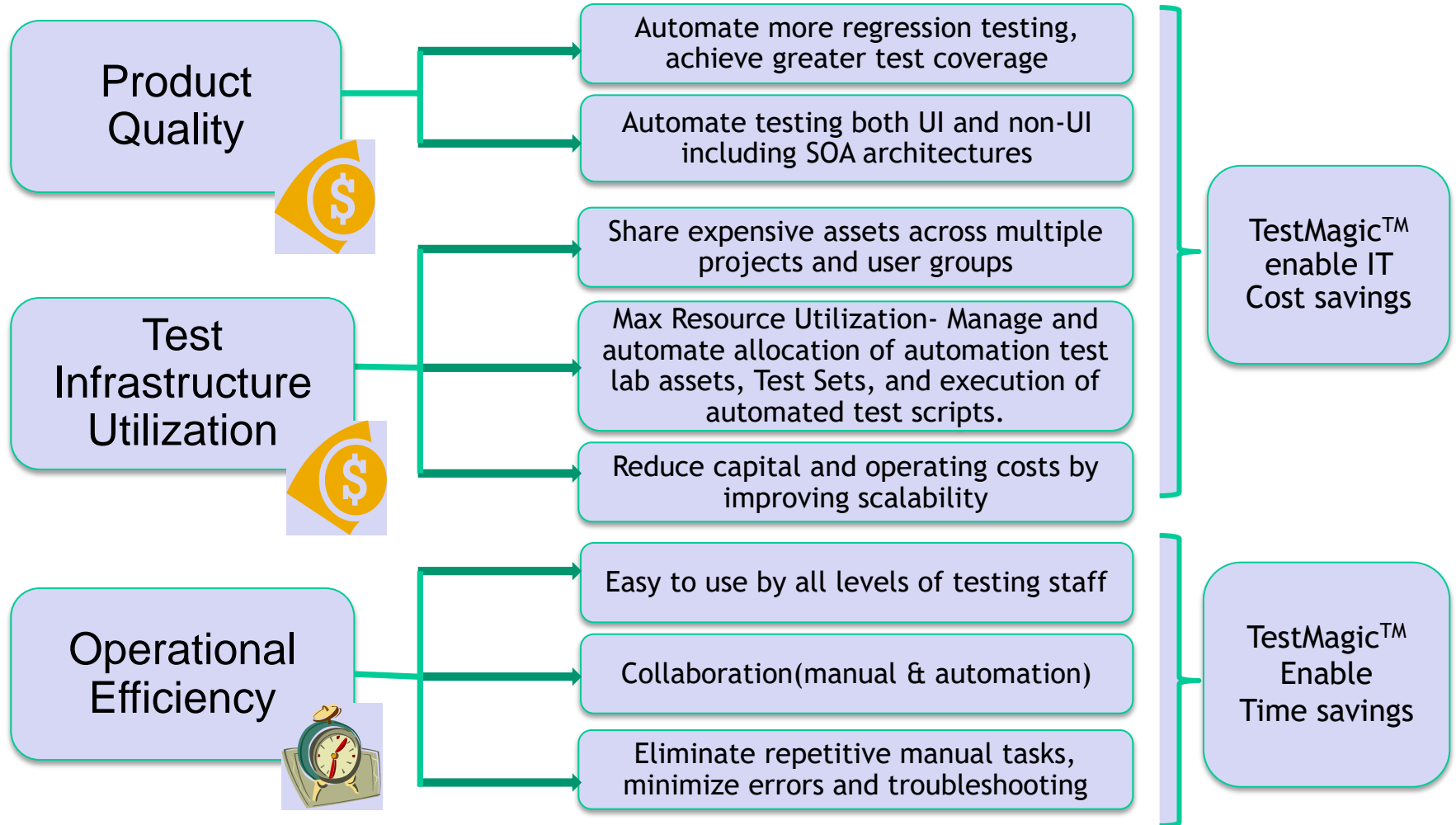


with improved test automation creation and execution

Key Parameters	Other Tools	Test Magic	Remarks
Automation Script Creation		% Effort of Overall Automation Effort	
Automation Framework Approach & Architecture Finalization & Creation/Customization of the Automation Framework	15%	0%	It's Inbuilt in eZscript and can be implemented to any web based product directly.
Creation Of the object Repository (GUI/Objects Learning)	10%	0%	eZscript has  Approx. 60 % Effort Saving
Creation of Reusable Function Library	10%	0%	eZscript is having actions and functions hence grouping of actions creates a functional Business component.
Creation of Keyword driven (KWD) automated test scripts and converting it to data driven	40%	25%	eZscript has the inbuilt capability and creates the KWD script during manual testing.
KWD Review & Dry run	15%	10%	Debug Mode Execution enable to test script with different set of data.
Fixing and tuning of Object Repository/ Automated Framework	10%	5%	Artificial Intelligence; No Object Repository.
Automation Script Execution			
Automation Test Management	10%	5%	Test Magic has UI based test management.
Automation Execution	70%	40%	Execution is faster due to  Approx. 40% Productivity Improvement
Reporting the issues/defects from team and merging/publishing reports of a release	20 %	15%	Test Magic has huge web based Reporting dashboard which can be emailed or printed.



and improving product quality, increasing test infrastructure utilization and enhancing operational efficiency ...



Key Industry Evaluations

Discover what makes UTS –

outstanding
IN EVERY WAY!



Gartner®



BARCLAYS



HCL



Agenda

1

Test Automation Challenges

2

How TestMagic Helps to Overcome

3

TestMagic Technical Overview

4

Who We Are- Company Profile



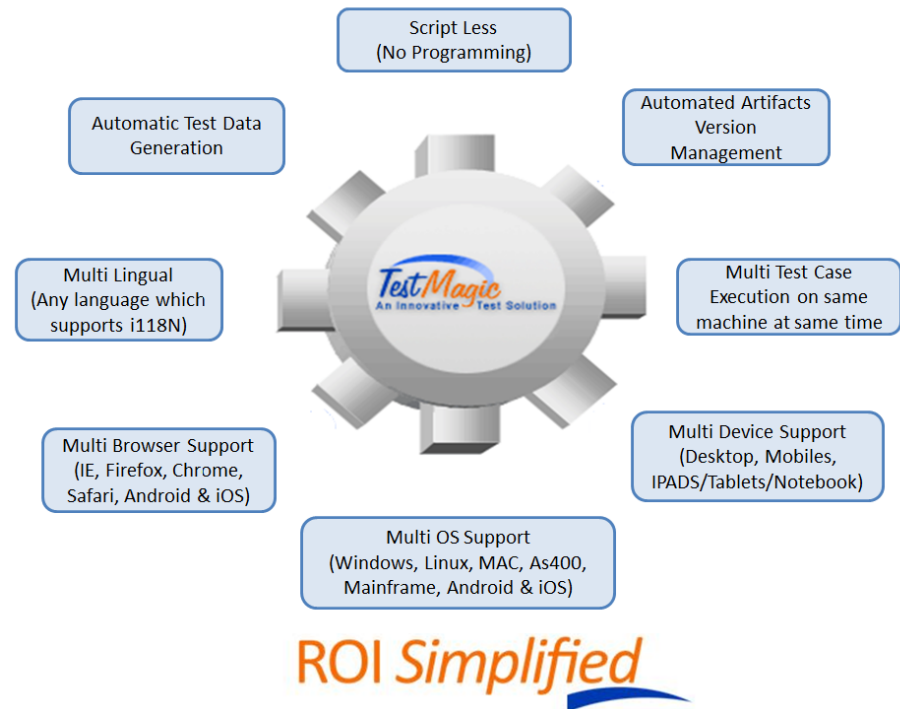
New Era in Testing- TestMagic™ Gen 5th Script less test automation solution



Introducing Gen 5th Script less test automation SaaS complaint solution for UI and Non UI software/business process testing.

- TestMagic™ is not only the product but it is experience of many automation experts which is bundle as a product.
- TestMagic™ is having **No Object repository** and built on the concept of **Artificial intelligence**.
- TestMagic™ is best suit for agile world, minimal rework in sprints, about 60 % time saved in scripting compare to any other tool in market.
- TestMagic™ is effectively plugging the skills gap between traditional testing skills and the technical skills required to automate testing. Hence advance and sustainable automation without scripting knowledge.
- TestMagic™ provides Quick ROI from next execution only.

Script Less Automation Testing Solution



<http://www.qatestingtools.com/uts-global/testmagic>



TestMagic™ Enterprise Solution: A Snapshot...

- TestMagic
 - Automation Lifecycle Management (ALM)
- eZscript
 - Automatic Scripting Engine
- MagicScheduler
 - Distributed and Remote Scheduling
(Execution Load Balancing)



OS Supported



Device Supported

Desktop/Laptop

Mobile Emulator/Smart Phones

IPADs/Tablets

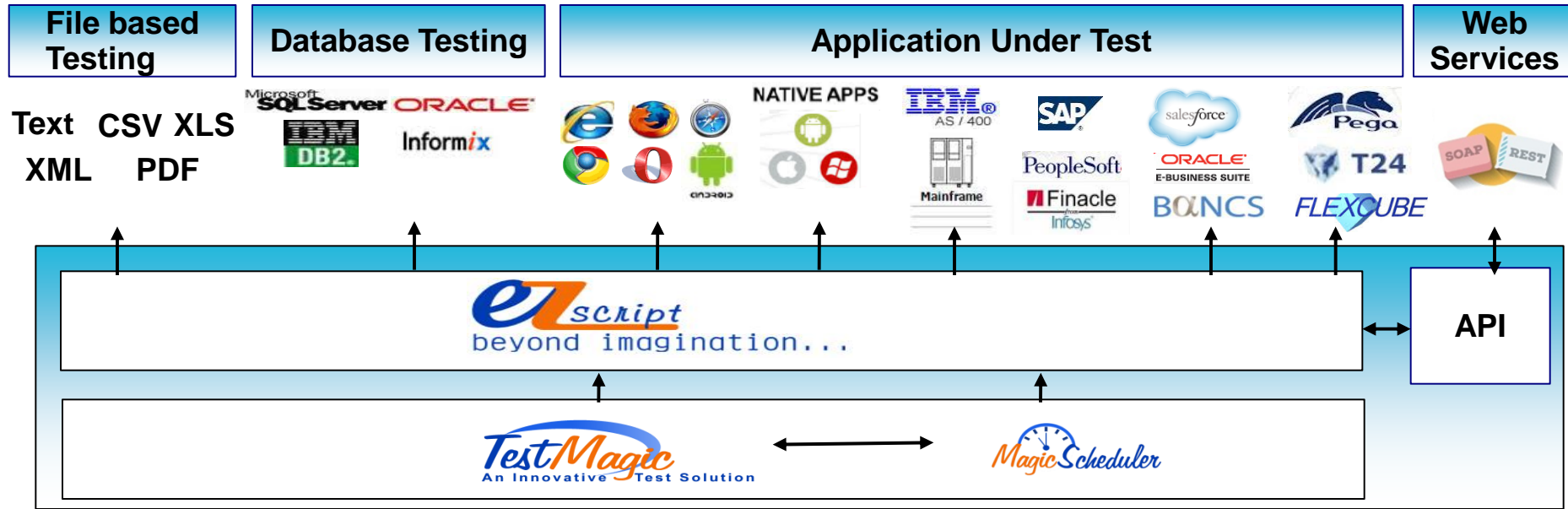
Main Frame

Technology Supported

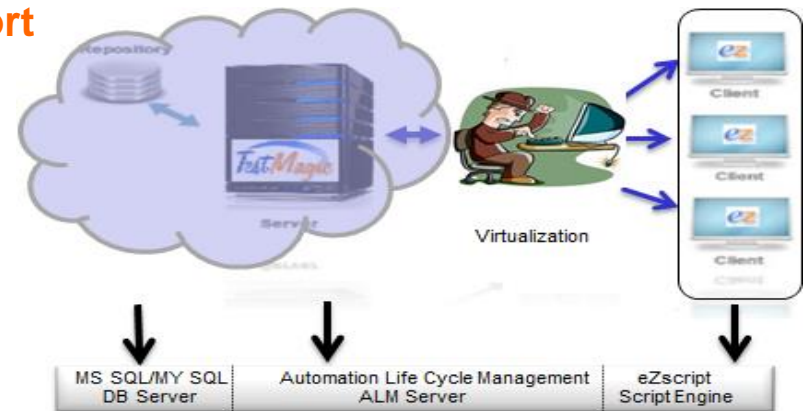
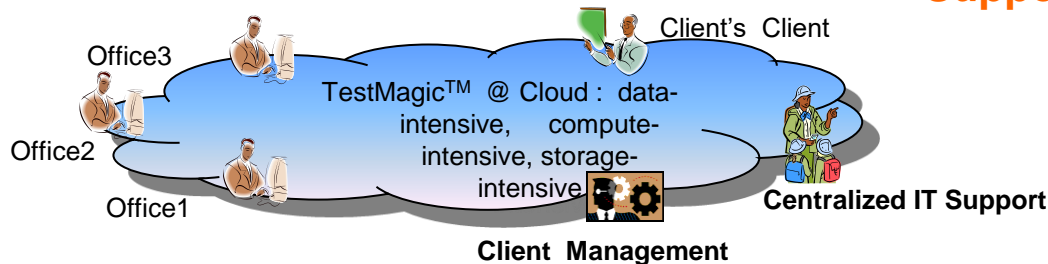
VB. NET	Win32	ActiveX	Delphi	PHP	C#	ASP	WPF	Telerik
JavaScript	Java	Python	C++	AJAX	HTML	Perl	Silverlight	Mainframe
SAP	T24	Oracle Forms	SOAP	REST	WCF	PEGA	PeopleSoft	Salesforce



TestMagic™ automatic testing landscape in a nutshell...



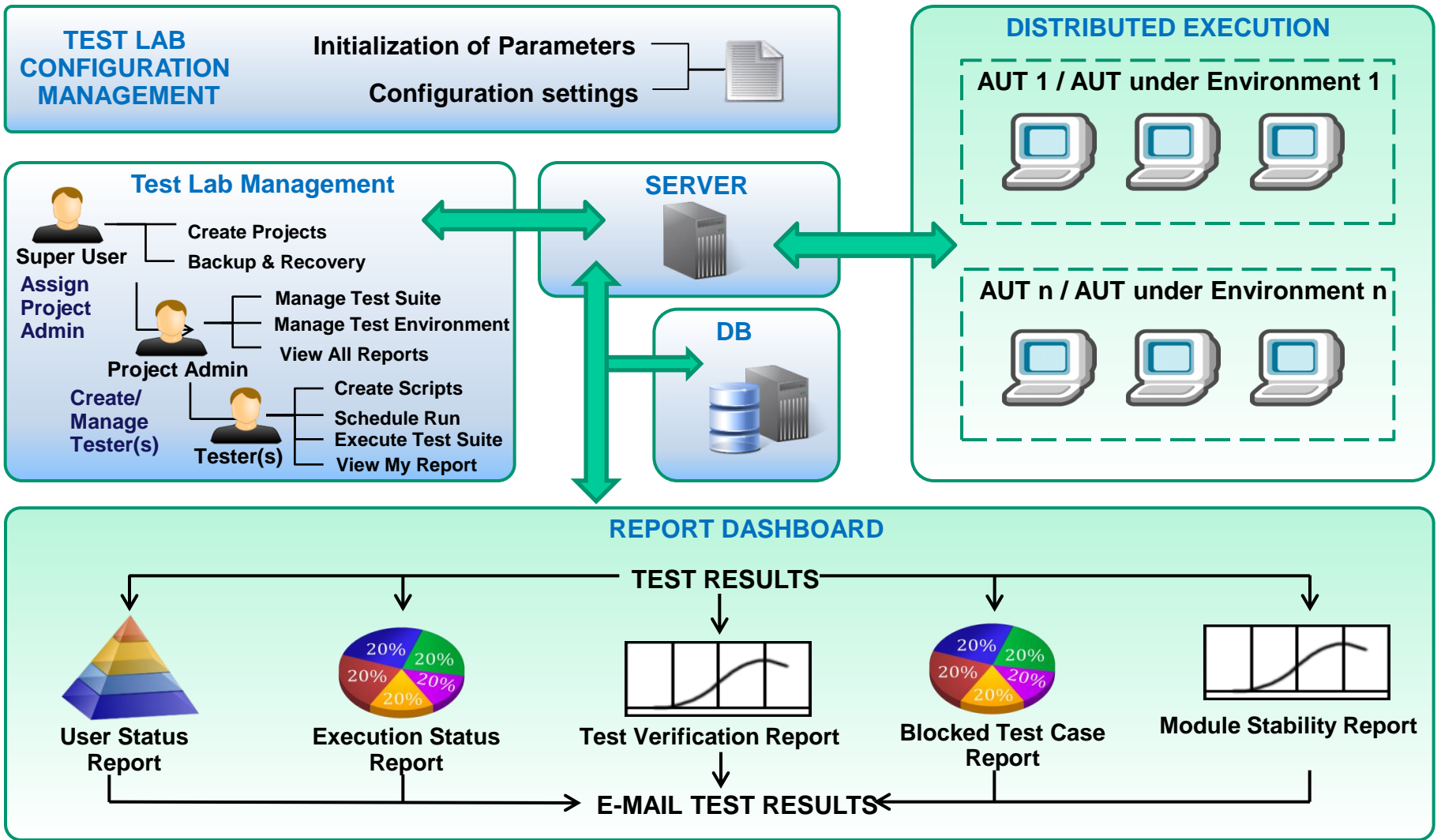
TestMagic™ @ LAN/Cloud/WAN/Virtualization/Citrix Support



TestMagic™ Enterprise Solution: A Business View...



TestMagic™ Architectural View...



TestMagic™ Mobile Platform Support...

OS Type	Application Type			Connectivity			Device			OS Version
	Web	Hybrid	Native	Wifi	3G	4G	Emulator	Mobile Device	Tablet/IPAD	
Android	✓	✓	✓	✓	✓	✓	✓	✓	✓	2.3 and above
IOS	✓	✓	✓	✓	✓	✓	✓	✓	✓	6.0 and above
BlackBerry	✓			✓	✓	✓	✓	✓		10.2.1 and above

Device Type	Web		Hybrid		Native-Android		Native-IOS	
	Script Created	Run On	Script Created	Run On	Script Created	Run On	Script Created	Run On
Desktop (Windows)	✉✓	✓						
Desktop (Mac)		✓						
Android- Emulator		✓	✉✓	✓	✉✓	✓		
Android- Mobiles		✓	✉✓	✓	✉✓	✓		
Android- TABS		✓		✓		✓		
IOS-Simulator		✓	✉✓	✓			✉✓	✓
IOS- iPhone		✓	✉✓	✓			✉✓	✓
IOS- iPad		✓		✓				✓
Blackberry (SmartPhones)		✓						



Script can be created on any one of the device



TestMagic™ for iOS and Android...



Connect

1. Connect to Simulator/Emulator on PC (Script Creation)
2. Connect Simulator/Emulator/Mobile device using USB (Script Execution)

Navigate

Record a sequence of the test on the Simulator/Emulator by navigating the flow.

Edit

Change existing/Add new Objects / commands; Add Data-parametization to build final test script.

Play & Analyse

Play the test. a Report of the results including Screenshots of the tested application in runtime.

- Cross-platform test portability (e.g. Android script runs on iOS)
- Create a script on Android and Execute the same script on different devices or Emulator (Android/iOS)
- Create the script on one version of Android and execute on different mobile OS version.
- Parallel execution of test on several mobile devices/Emulator at the same time (in Parallel)







and simplifying ROI

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Who We Are- Company Profile



Company Profile

Universal Technology Solutions (www.uts-global.com) is established in Year 2009 by group of IT experts having more than 20 years of experience in delivering successful result to many of the top Fortune 500 companies in BFSI domain in more than 10 countries.

The team aspires to make the testing simple, easy, organized and faster for the customers to provide quality and time-effective solutions by supplementing testing with innovative test solutions.

Over more than 5 years we are serving US and UAE based BFSI and Telecom MNCs to provide complete manual and automated testing for their critical IT applications.

UTS is blessed with highly experience 75+ engineers from reputed Institutions of India having high understanding of Quality, Test Engineering and Process.

UTS Y-O-Y revenue growth is more than 300% and currently it is located in India, UAE and Singapore.



Who We Are



Company Profile

To transform testing needs and challenges through simple, disruptive and continually innovating test solutions and approach



Vision

To maintain our credentials as an innovative testing enterprise product and consultancy service for the product implementation



Mission

Our ability to constantly generate new ideas that create sustainable value for our customers



Expertise

UAE, Singapore and India with current strength of 75+ resources
Client Location: Jordan, UAE, Singapore, USA and India



Location



Company Profile



Automatic Script Creation
based on Business Process
Technique



Inbuilt Defect Management
with Integration with Bug
Tracking Tools



Integration with Test
Management Tools



Robust Scheduling
Mechanism



Continuous Server
Integration



Risk Based Test
Execution



Robust Test Data
Mechanism



Image and PDF
Comparison



Version Management



Multi Lingual Support



LAN/Cloud/WAN/Virtualization
/Citrix/Single Sign on Support



Conditional and Parallel
Execution

Unique
Features



Major
Clients



Company Profile

- Proven performance on global applications beating global IT majors
- Simple, easy to use immediately visible ROI
- High Value Tool with negligible maintenance
- Ready to On-board Resources
- Test Automation Readiness
- Defined Test Process, continuous improvement and learning benefits



Differentiators

- High Skills in experience in Automation, DB and API testing
- Proven transformative test automation solution with immediately visible return on investment
- Quickly deployable automation, immediate skills upgrade for client organizations at no cost
- Market beating productivity enhancement and test organization outperformance through drastic cost reduction



Value Proposition



Acknowledgement and recognition from the client



Ian Cook

CIO/EVP – Head of Operations & Enterprise Technology
United Arab Emirates | Insurance

Oman Insurance is the leading general insurance provider in the United Arab Emirates and the Middle East with an extensive branch network, operations in Turkey, Oman, Qatar and Iraq.

We are in the midst of major 24 month software upgrade program to replace our core insurance and back office accounting platform. The consequence is over eight thousand test cases and 280 end to end business processes, multiplied by over 65 insurance products.

Assuring systems integrity using functional testing is a significant undertaking in terms of effort needed testing and business acceptance for the permutations and combination of a typical insurance policy. The software delivery approach means we need to test and re-test this on over twenty planned software releases which need regression testing to ensure functionality that worked, continues to work.

OIC had significant experience using automated test tools from global vendors. However these needed significant investment in effort in order to build an automated test framework; which made us cautious about the benefits that could be achieved.

UTS has demonstrated a capability to rapidly automate the testing and skill-up our team with innovative tools and practices, which enabled our test team to drive tremendous efficiencies in the effort needed to continuously assure the software, both before and after GO-LIVE.

UTS have shown a flexibility and customer awareness together with a commitment to getting the job done, even when some deliverables were not expressly stated in statement of work.



شركة عُمان للتأمين (ش.م.ع.)
Oman Insurance Company (P.S.C.)



البنك العربي
ARAB BANK



Acknowledgement and recognition from the client

Next Generation Test Automation Solution built on Artificial Intelligence



Liliya Burshteyn

Director at CoreCard Software, Inc.

“ Test Magic is comprehensive testing automation software that we have been using for more than 2 years in Production. We are fully satisfied with Test Magic's software and the services they have provided us.

Test Magic is a highly flexible automation solution designed for complete web application testing including Rule based File testing, validation of data in Database. TM's team has delivered numerous customizations we asked for with short turnaround time helping us meet our stringent delivery schedule. The software is capable of providing high throughput and is very scalable. Its processing speed is limited only by the number of machines (processors) that are used. This is very critical for regression testing of complex financial software such as ours. The product is easy to use and can be mastered in as less a couple of days. TM's support team has also provided us prompt and excellent technical support.

I believe that the product derives its value from its use of latest technologies which are coherent with most current Operating Systems and web browsers. Test Magic continuously evolves itself by adding new features such as SOAP based Web Service testing and can meet the challenges of the highly integrated and automated systems of today's enterprise **less**

February 10, 2013, Liliya was Universal's client



البنك العربي
ARAB BANK



شركة عُمان للتأمين (ش.م.ع.)
Oman Insurance Company (P.S.C.)

etisalat



Thank you



**Testing tomorrow's business
by Innovating Possibilities**



For more information contact, testmagic@uts-global.com

