

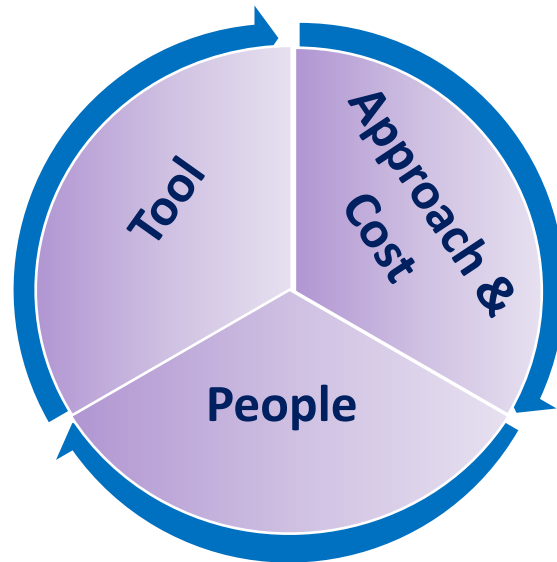
Agenda



- 1 Evaluation Factors
- 2 Functional & Non Functional Testing Tools
- 3 Top Test Management Tools Comparisons
- 4 Top Automation Tools Comparison.
- 5 Top Performance Tools Comparison.
- 6 Top Mobile Automation Tools Comparison.
- 7 Tools Cost
- 6 Hyper Automation
- 7 About UiPath
- 7 RPA Tools – Hyper Automation – Feature Comparison

Evaluation Factors

Main Criteria Factors



Details Factors

Cost

- License/Freeware
- Training & Support
- Implementation
- Maintenance
- Project Timeline.

Tool Capability and Easy of Use

- Record & Play Back.
- Tool capability for Novices SPoC's
- Support Type (Web/API/Mobile or etc.)
- Community & Product Support.
- Cross environment Platform.
- Skills Availability.

Integration

- Integration Tool Support (CI/CD, Test & Defect Management Tools)
- Database support.

Mobile Tool Selection

- Type of Application (Native/Hybrid).
- Scope based decision (Mobile Platform, Device Variations, Backend Verification)
- Feature based decision (Integration to QC/ALM products, Continuous Integration/DevOps).
- Infrastructural based decision (Physical Devices, Cloud, HW dependency, Simulators.)

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Functional & Non Functional Testing Tools









Functional

	Zephyr	
	QMetry	
	Test Rail	


Automation

	Tosca	
	Test Complete	
	Test Project	
	Selenium	
	UFT One	

Performance

	Load Runner	
	JMeter	
	Neo Load	
	Silk Performer	

Mobile Automation




























	Appium	
	Selendroid	
	Perfecto	
	Eggplant	
	Ranorex	
	Mobile Apps	
	SeeTest	

Security

	Fortify Web Inspect	
	ZAP	
	Burp Suite	
	Metasploit	

 Open Source  Commercial

TOP Test Management Tools Comparison

Parameter	Zephyr *	QMetry	TestRail *
Requirements and user Stories Management	 Good	 Good	 Moderate
Test Case Management	 Good	 Good	 Good
Test Sets and Execution Management	 Good	 Good	 Good
Issue Management (Ability to prevent duplicate issues)	 Poor	 Good	 Poor
Integration (Bug Tracking, Automation Tools)	 Good	 Good	 Good
Customizable graphs/dashboards and reports	 Good	 Good	 Good
Import and export all data	 Good	 Good	 Good
JIRA Add-on Cost	 \$10/Per Person/ Per Month	 \$10/Per 10 Person/Per Month	 Free
Cost for On Premise	 Good	 Good	 Good

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TOP Automation Tools Comparison

Parameter	Tosca *	Test Complete *	Test Project	Selenium	UFT One*	CITS	Ranorex Studio*
1 Applications (web/API/mobile)	Good	Good	Good	Good	Good	Moderate	Good
2 Need Technical Knowledge	Novice	Novice	2.5 out of 5	4 out of 5	2.5 out of 5	Moderate	2 out of 5
3 Record & Playback	Good	Good	Moderate	Poor	Good	Good	Good
4 License Cost	High Cost	High Cost	Open Source	Open Source	Medium Cost	Open Source	Medium Cost
5 Renewal License Cost	High Cost	High Cost	Open Source	Open Source	Medium Cost	Open Source	Medium Cost
6 Training Cost	Medium Cost	Medium Cost	Medium Cost	Medium Cost	Medium Cost	Free	Medium Cost
7 Implementation Cost	Medium Cost	Medium Cost	Medium Cost	Medium Cost	Medium Cost	Medium Cost	Medium Cost
8 Maintenance Cost	Low Cost	Low Cost	Medium Cost	Medium Cost	Medium Cost	Low Cost	Low Cost
9 Script Less Weightage	Good	Good	1.5 out of 5	4 out of 5	3 out of 5	Good	1.5 out of 5
10 Community Support	Poor	Poor	Moderate	Good	Good	Poor	Poor
11 Product Support	Good	Good	Good	Poor	Good	Poor	Good
12 Object Recognition	Good	Good	Good	Moderate	Good	Moderate	Good
13 Database Support	Good	Good	Good	Good	Good	Moderate	Good
14 Cross Platform Compatibility	Good	Good	Good	Good	Good	Good	Good
15 CI/CD Support	Good	Good	Good	Good	Good	Good	Good
16 JIRA Integration	Good	Good	Good	Good	Good	Good	Good
17 Multiple OS Support	Only Windows	Only Windows	Windows, Linux	Windows, Linux	Windows, Linux	Only Windows	Only Windows
18 Parallel Execution	License Based	License Based	Good	Good	License Based	License Based	License Based
19 AI Capabilities	Good	Good	Good	Poor	Good	Good	Good

Requirement/Parameter Satisfaction






































































 Great Satisfaction
  Moderate Satisfaction
  Poor Satisfaction

Cost

 Open Source
  Medium Cost
  High Cost

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TOP Mobile Automation Tools Comparison

Parameter	Appium	Selendroid	Perfecto*	Eggplant*	Ranorex*	Mobile Apps*	SeeTest*
Supported Platforms	 		  	   	  	  	   
Supported Application Types	Web, Native, Hybrid	Web, Native, Hybrid	Web, Native, Hybrid	Web, Native, Hybrid	Web, Native, Hybrid	Web, Native, Hybrid	Web, Native, Hybrid
Cloud Support/ Device Management	Cloud + Real Devices	Real Devices	Cloud	Cloud + Real Devices	Cloud + Real Devices	Cloud + Real Devices	Cloud
Recognition	Object Based	Object Based	Object + Image	Object + Image	Object Based	Object Based	Object + Image
Data Parameterization							
Instrumentation							
Parallel Execution							
Record & Playback							
Integration to ALM tools							
Support for integration to Jenkins							
Cost							



Full/Direct Support



Basic/Partial Support Through frameworks/ other tools



No/ Low Support



Open Source



Medium Cost



High Cost

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Comparison Automation Tool Cost for Top 3 Tools

PRICING TABLE	TOSCA*	Test Complete*	Ranorex Studio*	Test Project	UFT One*	Perfecto*	CITS
License Cost	Yes <i>\$8800 per user /yr</i>	Yes <i>\$9930 per user/yr</i>	Yes <i>\$3870 per user/yr</i>	No	Yes <i>\$4500 per user/yr.</i>	Yes <i>\$1500 per user/yr.</i>	No
Renewal Cost Annually	Yes	Yes	Yes	No	Yes	Yes	No
Product Support Cost	Yes	Yes	Free	No	Yes	Yes	Yes
Training Cost	Yes	No	No	No	Yes	Yes	No
Free Trail	Yes	Yes	Yes	Yes	Yes	Yes	Yes

* Commercial Tool