



Sairam Vedam
Director, Q Labs

BrighTest

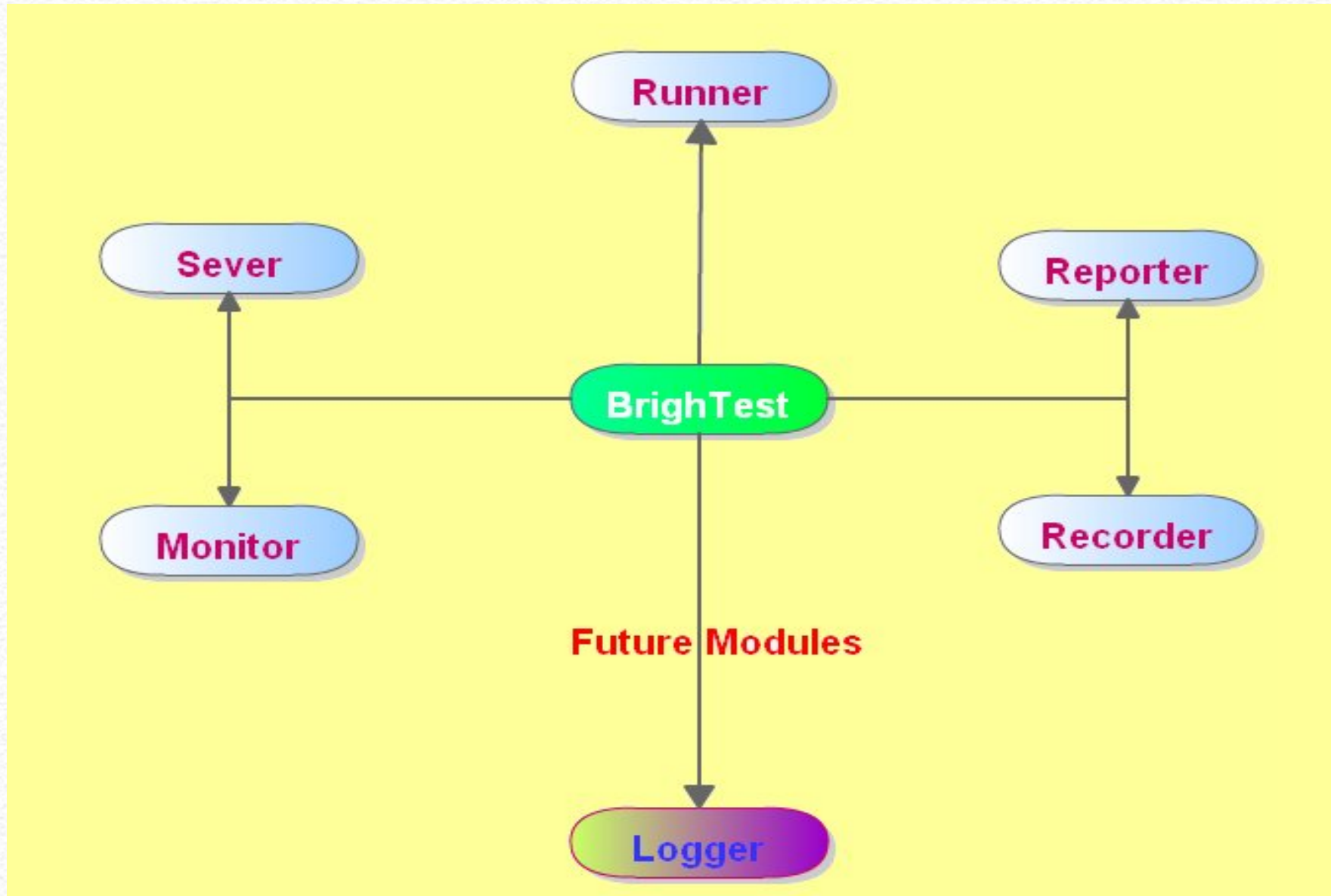


- ✓ BrighTest is an in-house tool .
- ✓ Built on top of Selenium and uses Java
- ✓ API based approach
- ✓ Easily customizable to suite specific project requirements
- ✓ Ability to store reports in our own format for future use.
- ✓ Easy to install.
- ✓ Easily redefined parameters
- ✓ Customized Alerts and Reports.
- ✓ Weekly and Nightly build integrations (ANT)
- ✓ Applicable for web based applications, products as well as Social Platforms testing.
- ✓ Pilot usage on for couple of happy customer engagements.
- ✓ Extensively used to test Pramati's Enterprise 2.0 product **Qontext**.



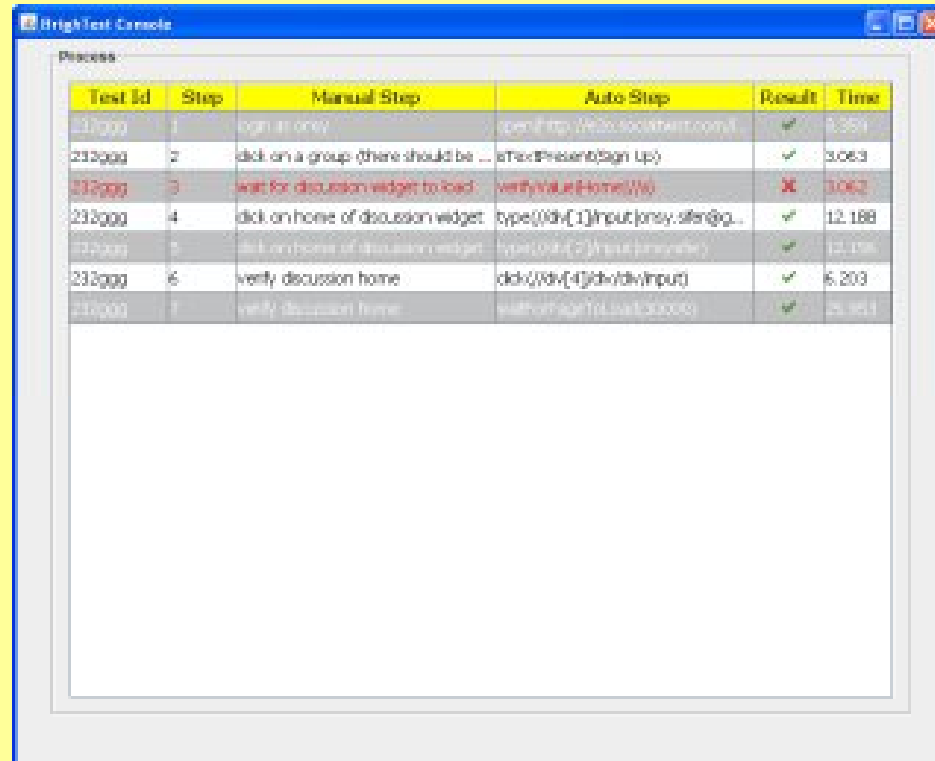
PRAMATI

BrighTest Modules



BrighTest-Runner

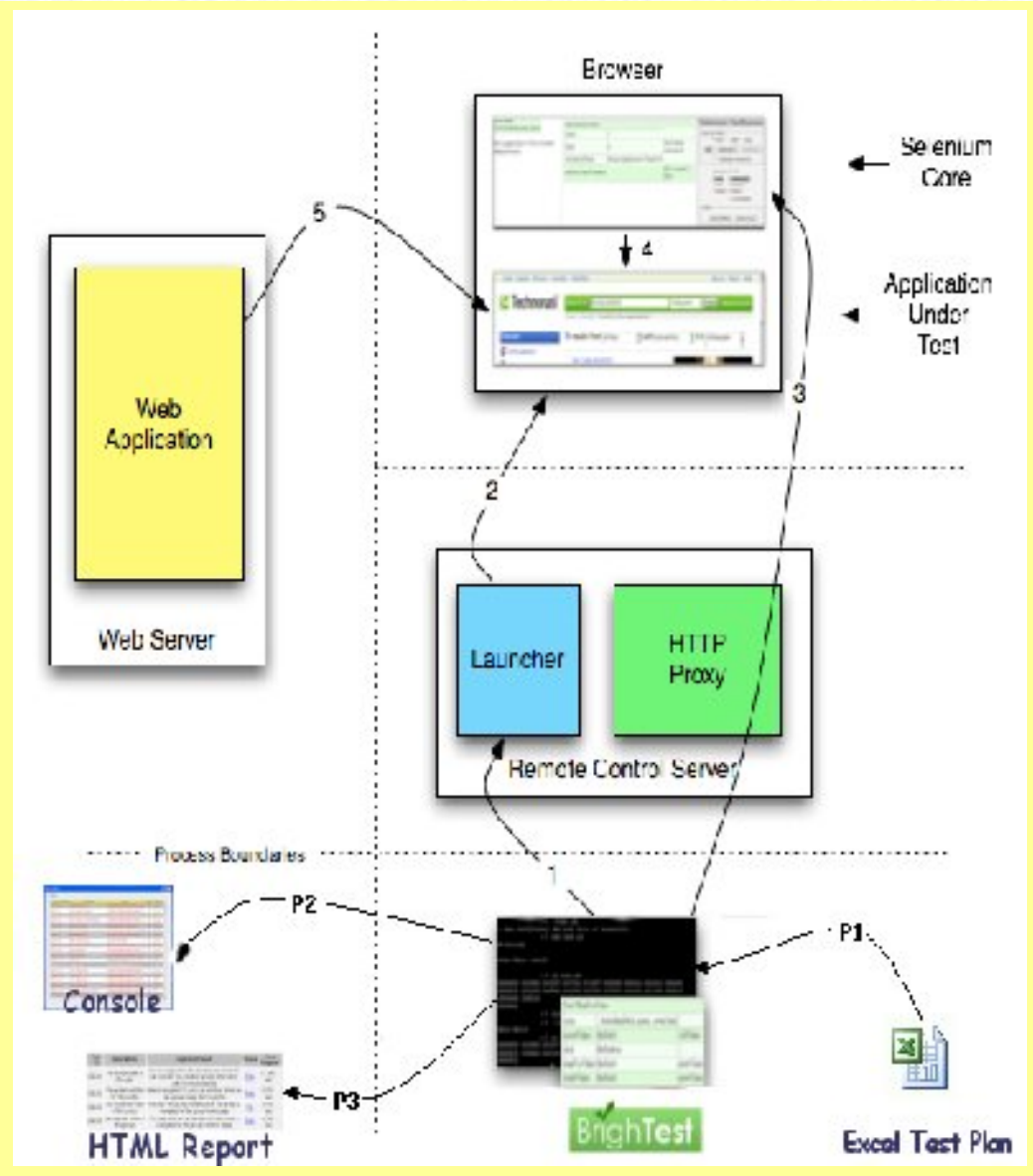
BrighTest-Runner is Framework to Run Test Cases.
It take Excel Test file/files as input and start real time web testing.



Test Id	Step	Manual Step	Auto Step	Result	Time
232ggg	1	login as onky	open http://62.20.100.47:8080/	✓	3.354
232ggg	2	click on a group (there should be ...	clickPresent(sign up)	✓	3.063
232ggg	3	wait for discussion widget to load	verifyValue(home)/6	✗	3.062
232ggg	4	click on home of discussion widget	type(/div[1]/input)onky.sfr@g...	✓	12.188
232ggg	5	click on home of discussion widget	type(/div[2]/input)oncode	✓	12.176
232ggg	6	verify discussion home	click(/div[4]/div/div/input)	✓	6.203
232ggg	7	verify discussion home	waitforPageToLoad(30000)	✓	25.951

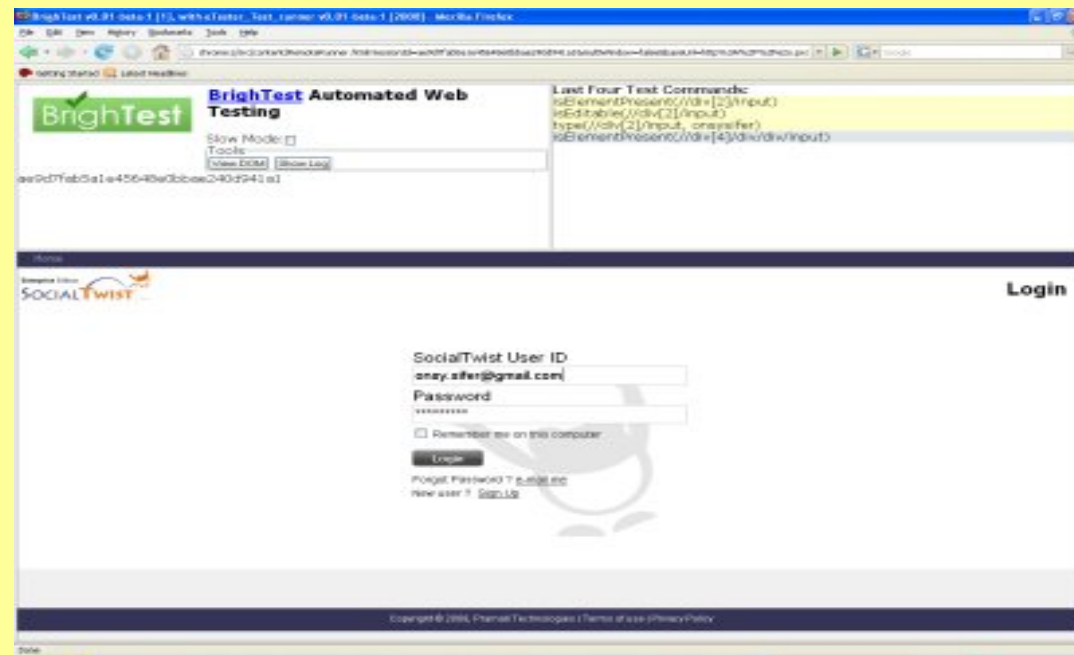
How does BrighTest-Runner work?

- ✓Fetches test cases from the source (.xls, test link, google spread sheet etc)
- ✓Converts to brightest server command format
- ✓Sends to the brightest server and gets the response from the server
- ✓Sends the information to the BrighTest reporter



BrighTest-Server

- ✓ This module provides a bridge between browser and BrighTest-Runner.
- ✓ It takes commands from BrighTest-Runner and converts them into browser requests.
- ✓ It collects response for each command (Auto Step) and sends it back to BrighTest-Runner



BrighTest Recorder

File Edit Options Help

Base URL http://www.google.co.ir/

Fast Slow

Editor Steps

Open http://www.google.co.ir/

Type (/input[2]) Pramati

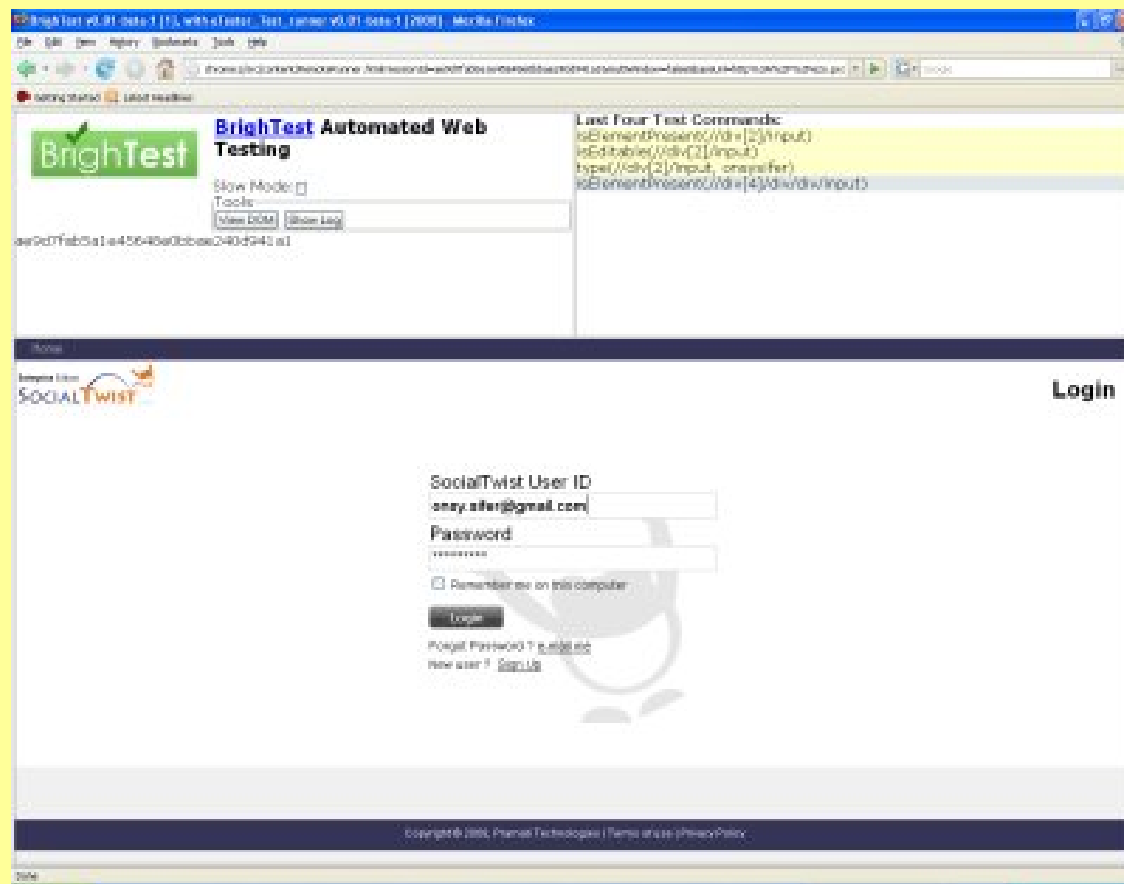
Click (/input[3])

Wait For Page To Load (30000)

Log Reference UI-Element Rollup Info Clear

BrighTest-Server

BrighTest-Server automatically launches and kills browsers, and acts as a HTTP proxy for web requests from them. BrighTest-Server is great for testing complex AJAX-based web user interfaces under a Continuous Integration system.

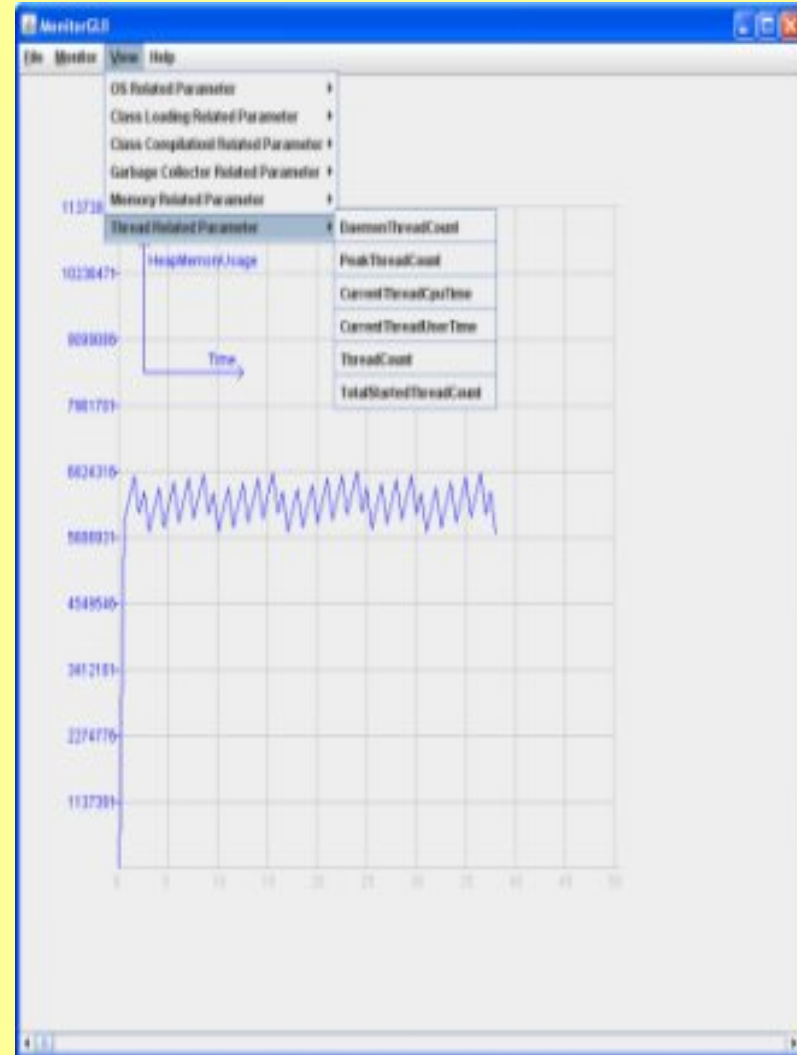


BrighTest - Monitor

This module contains the following sub-modules:

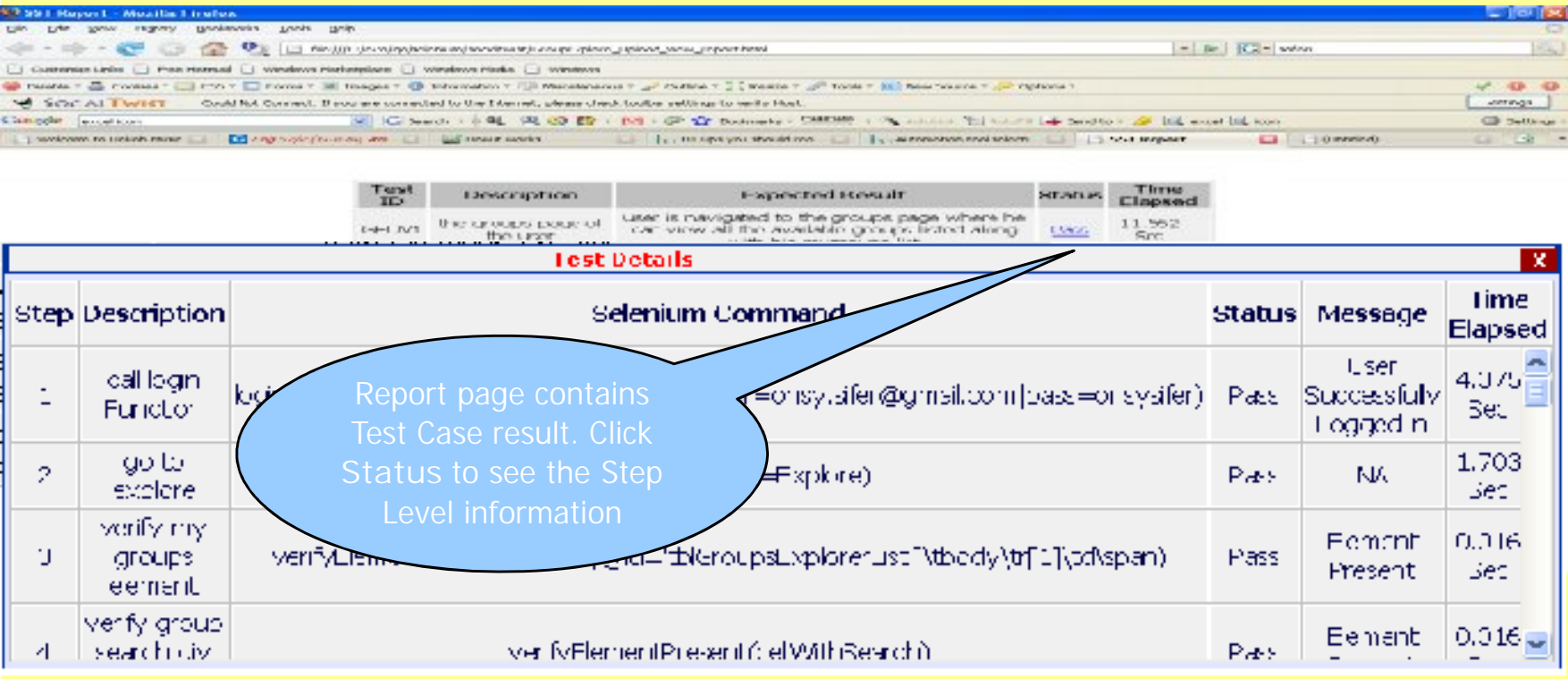
- **Load Monitor:** The Load Monitor generates load to Web application server and collects Load and stress related data.
- **Server Monitor:** This monitors the server performance. It collects server related data like memory, garbage collector, Class Loading, Garbage Collector, CPU usage, CPU Time etc.

Real time monitoring.
sent to the



Storing report

BrighTest module for report handling -BrighTest-Reporter



The screenshot shows a Selenium IDE test report window titled "Test Details". It contains a table with the following data:

Step	Description	Selenium Command	Status	Message	Time Elapsed
1	call login Function	loginFunction()	Pass	User Successfully Logged in	4.075 Sec
2	go to explore	clickAndWait("//a[text()='Explore']")	Pass	NA	1.703 Sec
3	verify my groups element	verifyElementPresent("//div[@id='divGroupsExplorer']//div")	Pass	Element Present	0.016 Sec
4	verify group search div	verifyElementPresent("//div[@id='divSearch']")	Pass	Element Present	0.016 Sec

A blue callout bubble points to the "Status" column with the text: "Report page contains Test Case result. Click Status to see the Step Level information".

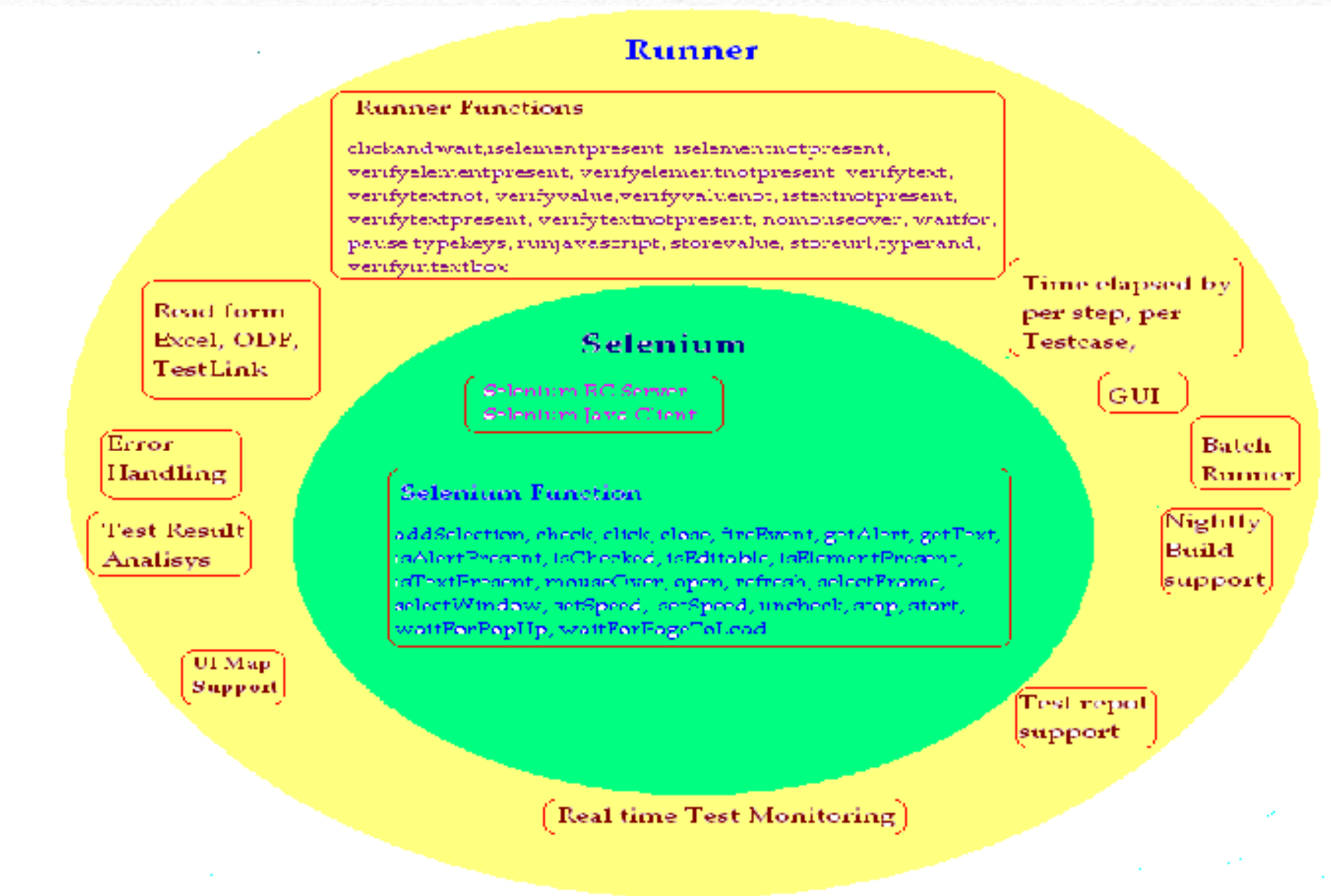
BrighTest Vs Selenium and QTP

Feature	BrighTest	QTP	Selenium
Cross platform support	Yes	No	Yes
IE support	Yes	Yes	Yes
Firefox support	Yes	Yes	Yes
Safari support	Yes	No	Yes
Opera support	Yes	No	Yes
Concurrent tests support	Yes	No	Yes
System resource usage	Less	More	Less
TestLink Support	Yes	No	No
ODF support	Yes	No	No
Auto Bug logging Support	Yes	No	No
Web Performance Monitoring Support	Yes	No	No
Multiple report format support	Yes	No	No
Sever Monitoring Support	Yes	No	No
UI map support	Yes	Yes	No
Remote Testing support	Yes	No	Yes
Grid Testing Support	Yes	No	Yes

BrighTest Vs Selenium and QTP

Feature	BrighTest	QTP	Selenium
Writing test cases	No Programming Skill Required	Needs VB Scripting	At least one Programming Language/Scripting
External Test Management Tool support	Yes	No	No
Nightly build support	Yes	No	No
Adding new Custom commands	Easy	difficult	Easy
External Bug tracker system support	Yes	No	No
Support many default functions for web Application automation testing	Yes	Less	Yes

Summary



BrighTest – Success Stories

BrighTest has helped us automate and test
following Products and Applications ...



PRAMATI

Thank you!

sairamv@Pramati.com

PRAMATI