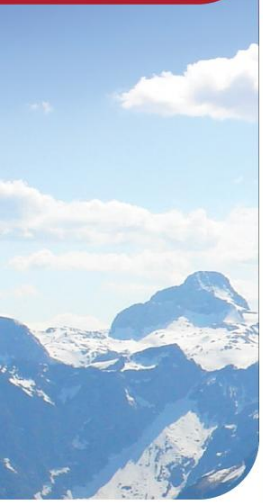
THE
LORICA
PROJECT
by
FaSur
Managed IT Services

About FaSur



- Managed IT Services and Software Development Firm

Website: www.fasurtech.com

Current offices:

- Herndon, Virginia
- Hyderabad, India

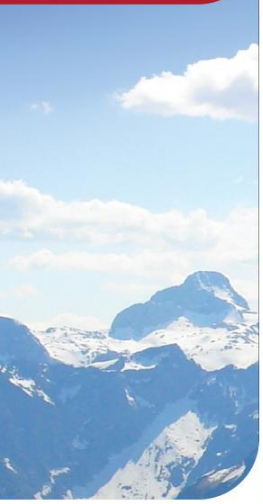
Future expansion:

- San Francisco, California
- Sydney, Australia

Benefits of Automation

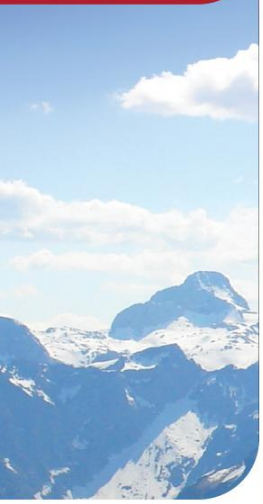
Testing options: Manual vs. Automated

- **Fast**
  Lorica runs tests 10-20x faster than human testers.
- **Reliable**
  Tests perform precisely the same operations each time they are run, thereby eliminating human errors.
- **Programmable**
  You can program advanced tests that can bring out hidden information.
- **Comprehensive**
  Fasur can build a suite of tests that covers every feature in a website or application.
- **Reusable**
  You can reuse the tests on different versions of the same application.



Why Fasur developed the tool

- FaSur studied client problems regarding cost and time.
- FaSur conducted an extensive study on existing testing tool products in the market.
- Every application needs testing either manual or automatic.
- Manual testing is cumbersome and time consuming.



Lorica Overview

- Functional, Unit, Integration and Regression testing tool
- Produces a detailed bug report of the failed scenarios
- Interfaces with defect tracking tool that can automatically upload bugs and send notifications without any manual intervention
- Performs multi-browser testing
- Built-in integration with popular defect tracking tools such as JIRA and Bugzilla.

Problems with existing tools

- Every tool has a rich set of functions to take action on browsers, manipulate files, arrays, datasets, etc.

What do they lack?

- A script should execute on different environments.
- Scripts should handle different user data in different environments.
- Different environments have different names for the same web object.
- No auto-logging. The user has to write log statements for actions taken.
- More…

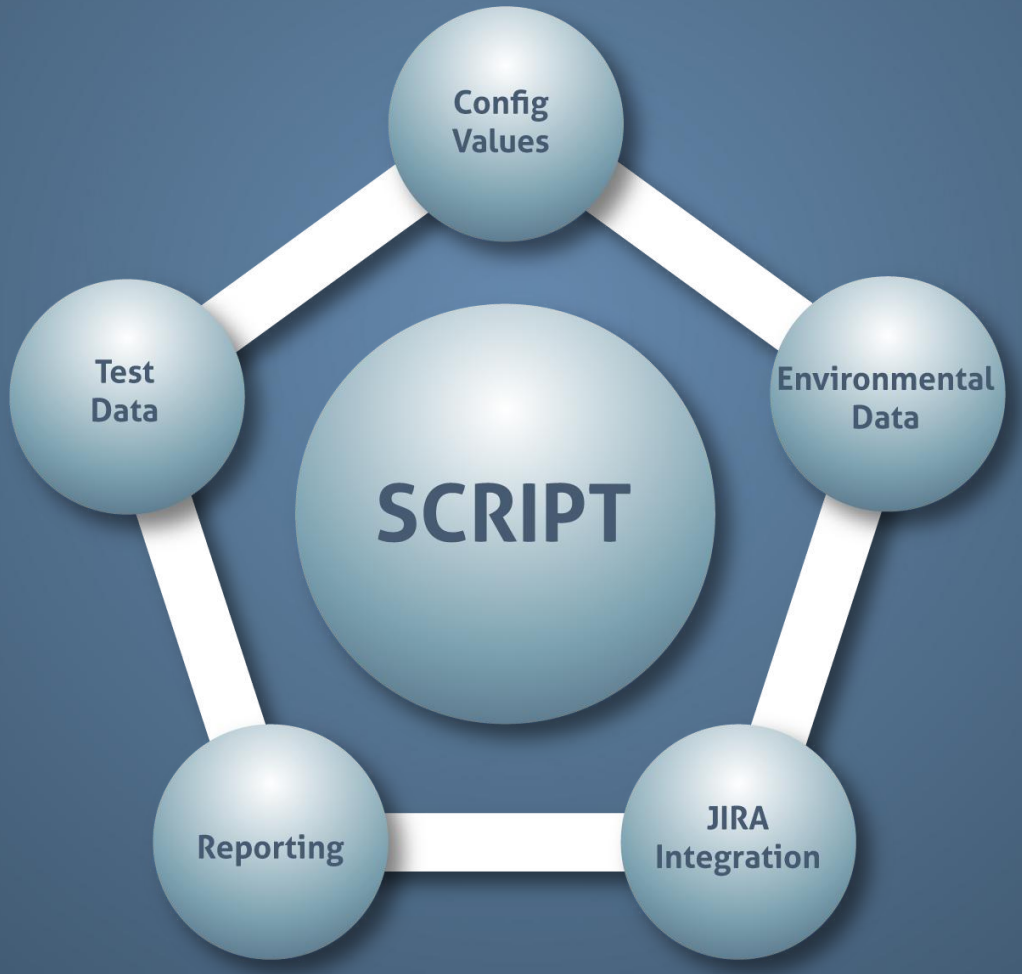
Which problems are solved?

- Every problem in the previous slide is solved.

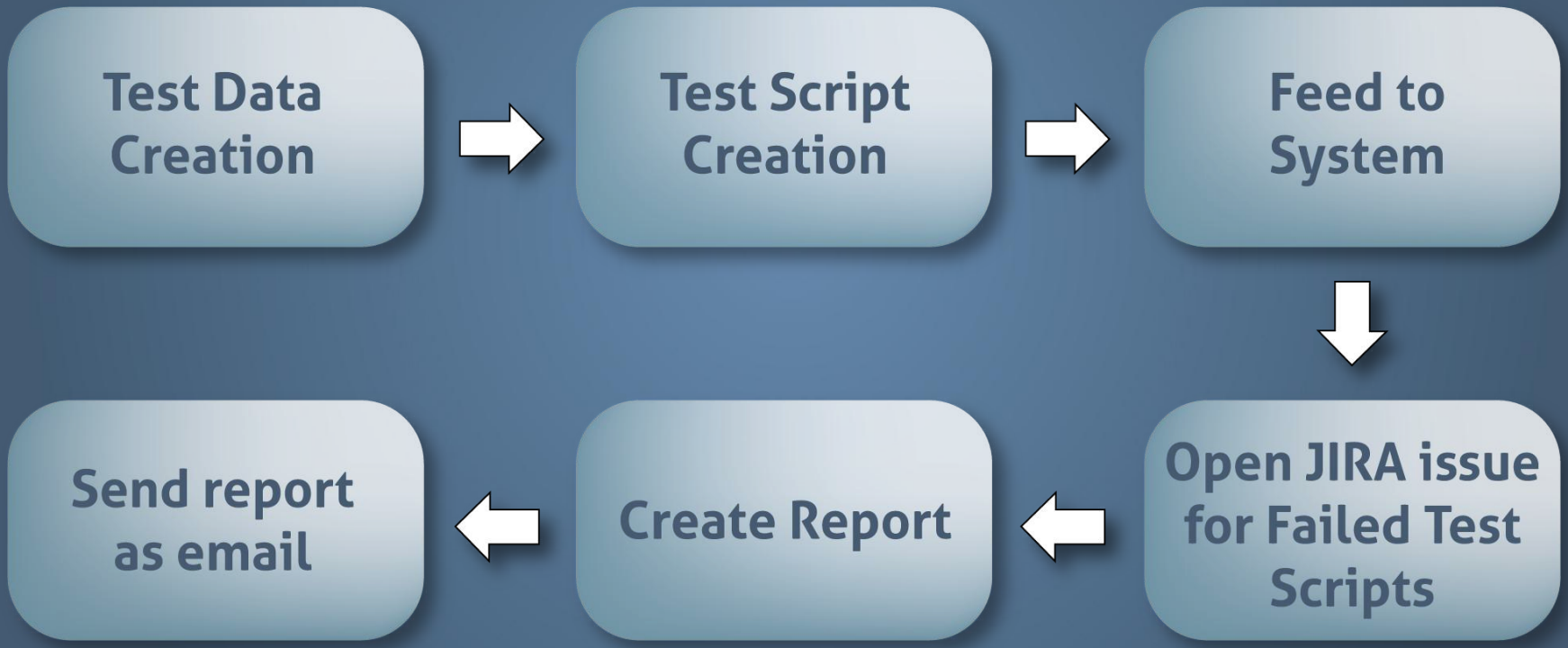
How are they solved?

- A script should execute on different environments.
  - *Using flat files to hold different sets of test data.*
- Scripts should handle different user data in different environments.
  - *Config values to pick which set of data to be used in scripts.*
- Different environments have different names for the same web object.
  - *Intelligent Object repository to hold the object with environment key.*
- No auto-logging. The user has to write log statements for actions taken.
  - *Feeding the script the required data to execute.*
    - *Minimizing the errors made by test engineers while scripting.*

Every Script has access to all the features of the framework. The tester concentrates only on scripting, the rest is taken care of by the framework.



The flow of a typical test script.



Lorica vs Other Tools

	LORICA	QTP	Silk Test
Script Language	JAVA	VB-Java Scripting	4T Language
Execute from Remote Location	Yes	Yes (Script should support)	Yes (Extra license is consumed)
Configuration	Easy	Hard	Hard
Browsers	Virtually all browsers which support	Microsoft Internet Explorer 6.0 Service Pack 1 Microsoft Internet Explorer 7.0 Netscape Browser 8.1.2 Mozilla Firefox 1.5 and 2.0	IE 6, 7, 8; FF (replay only) 3.0, 3.5
Platform	Platform independent	Windows 2000-Service Pack 2/3/4 Windows XP-Service Pack 1/2 Windows 2003 Server	Windows XP version 5.1, SP1, SP1a, Sp2, SP3 Windows Server 2003 SP2 Windows Vista
Keyword Driven	Yes	Yes	No
Hardware support	Very Less	1GB RAM required	1GB RAM required
Reporting	Extensive Reporting	Normal Reporting	Normal Reporting
Scripts Organization (grouping)	Very High	Less	Less
Recovery Mechanism	Yes	Yes	Yes
Sending results after execution	Yes	No	No
Deployment Tool integration	Yes	No	No
Regular Expression	Very High	Normal	Normal
Execution time	Very Less	Normal	Normal
Parallel execution	Yes	No	No
Ability to add new functionality	Yes	No	No
Optional Third party defect tracking tool Integratin (Jira)	Yes	No	No
Kickstart automated scripting with client team	Yes	Yes, but needs a contractor	Yes, but needs a contractor

Thank you for your time!
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