# Testing Tools Job Interview Questions And Answers

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# Testing Tools Interview Questions And Answers Guide.

**Question - 1:**

Explain Web Development Testing Tool Web Developer Firefox Extension?

**Ans:**

Web Developer is a robust FirefoxFirefox reviewsFirefox reviews extension that no developer should be without when testing a website. It provides a wide range of tests, including testing for broken images, testing layouts in multiple screen sizes, viewing cookie information, and validating mark-up. It's the ultimate testing companion for Firefox users.

**View All Answers**

**Question - 2:**

Explain Web Development Testing Tool Load Impact?

**Ans:**

If a website goes viral and DiggDigg reviewsDigg reviews, TwitterTwitter reviewsTwitter reviews, and StumbleUponStumbleUpon reviewsStumbleUpon reviews all converge on it at once, will it be able to handle the stress? Load Impact helps answer that question. It simulates large userload on web servers to determine whether or not they can handle the high traffic load. It comes with a free version and several paid versions.

**View All Answers**

**Question - 3:**

Explain Web Development Testing Tool XenoCode Browser Sandbox?

**Ans:**

Browser testing is one of the most tedious and frustrating parts of web development. What designer or programmer hasn't screamed bloody murder at broken alignments in Internet ExplorerInternet Explorer reviewsInternet Explorer reviews 6? One of the difficult parts of browser testing is that no developer can have every browser type on a single computer for proper testing.

Enter XenoCode Browser Sandbox, a series of virtual applications that can run all popular browsers simultaneously. It does not even require the installation of software. However, XenoCodeXenocode reviewsXenocode reviews's Browser Sandbox can be heavy in some browsers and is still lacking in a Mac version.

About the Xenocode Browser Sandbox

The Xenocode Browser Sandbox allows all popular Windows browsers to be run simultaneously, directly from the web. Web designers, system administrators, and other users can now evaluate Internet Explorer 8, 7, and 6, Mozilla Firefox, Apple Safari, Opera, and Google Chrome directly from the web in a risk-free manner. Unlike traditional software applications, Xenocode WebApps do not require any software to be installed and allow multiple application versions to run side-by-side on any version of Windows.

Known Issues

• The IE8 executable triggers a false positive warning when using Avira AV. UPDATE: Avira is patching their product, see http://forum.avira.com/wbb/index.php?page=Thread&threadID=82913.

• Mac clients are not currently supported. (Yes, we're sorry and we hear you!) Building Your Own WebApps

Browsers featured in the Browser Sandbox were built using Xenocode Virtual Application Studio and deployed using Xenocode WebApp. Xenocode products are available via the web and through authorized Xenocode partners.

For more information on Xenocode licensing or to download free product evaluations, please visit the Xenocode home page. Understanding Xenocode Technology

Xenocode is a powerful virtualization technology that separates applications from the underlying operating system. Unlike traditional hardware virtualization solutions that duplicate an entire host operating system, Xenocode's lightweight application virtualization technology emulates only core operating system features required for application execution. Xenocode requires no setup, configuration, clients, or device drivers, insulates applications against conflicts, and runs existing applications seamlessly on Windows Vista and locked-down desktops.

Xenocode virtual applications can be deployed on the web, intranets, portable storage devices, and existing desktop management infrastructure, including Active Directory, Microsoft SMS, LANDesk Management Suite, and BMC Configuration Management. Xenocode technology has been licensed by Novell and is available as part of Novell ZENworks Application Virtualization. The Xenocode Virtual Application Studio authoring environment allows software developers and systems administrators to easily convert existing applications into virtual machine packages. The Xenocode WebApp service allows Xenocode applications to be run directly from the web via a simple control that embeds directly into web sites, blogs, and other online content. About Code Systems

Code Systems develops the next-generation Xenocode virtualization engine and related application delivery products. Xenocode allows system administrators and software developers to deploy applications in lightweight, pre-configured virtual machines that run instantly on any Windows desktop via the web, Active Directory, portable storage devices, or existing desktop management infrastructure.

Code Systems was founded in 2002 and consists of a team of veteran Microsoft engineers and academic researchers. Today, its customers include thousands of industry-leading consulting, financial, government, military, and technology companies, and tens of thousands of independent information technology professionals.

Code Systems is based in Seattle, Washington.

http://www.xenocode.com/browsers/

**View All Answers**

**Question - 4:**

Explain Web Application Testing Tool XmlTestSuite?

**Ans:**

XmlTestSuite provides a powerful way to test Web applications. Writing tests requires only knowledge of HTML and XML. The authors want XmlTestSuite to be adopted by testers, business analysts, and Web developers who don't have a Java background. XmlTestSuite supports "test-driven development". It lets you separate page structure from tests and test data. It can also verify databases. It's like JWebUnit, but has simple XML test definitions and reusable pages. The problems with raw HTTPUnit or JWebUnit are that:
1. It's very hard to get non-programmers to write tests.
2. Tests are so ugly you can't read them. (Trust me; HttpUnit test classes are a nightmare to maintain.)
3. Web tests generally change far more often than unit tests, and so need to be altered, but your refactoring won't change them automatically (i.e., changing a JSP in IDEA will not cascade to the test like changing a class will).

View All Answers

**Question - 5:**

Explain Web Application Testing Tool TagUnit?

**Ans:**

TagUnit is a framework through which custom tags can be tested inside the container and in isolation from the pages on which they will ultimately be used. In essence, it's a tag library for testing tags within JSP pages. This means that it is easy to unit test tags, including the content that they generate and the side effects that they have on the environment, such as the introduction of scripting variables, page context attributes, cookies, etc.

View All Answers

**Question - 6:**

Explain Web Application Testing Tool Solex?

**Ans:**

Solex is a set of Eclipse plugins providing non-regression and stress tests of Web application servers. Test scripts are recorded from Internet browsers, thanks to a built-in Web proxy. For some Web applications, a request depends on a previous server's response. To address such a requirement, Solex introduces the concept of extraction and replacement rules. An extraction rule tied to an HTTP message's content will bind an extracted value with a variable. A replacement rule will replace any part of an HTTP message with variable content.
The tool therefore provides an easy way to extract URL parameters, Header values, or any part of a request or a response, bind their values with variables, and then replace URL parameters, Header values, or any part of a request with the variable content. The user has the ability to add assertions for each response. Once a response has been received, all assertions of this response will be called to ensure that it is valid. If not, the playback process is stopped. Several kinds of rules and assertions are provided. The most complicated ones support regular expressions and XPath.

View All Answers

**Question - 7:**

Explain Web Application Testing Tool Jameleon?

**Ans:**

Jameleon is an automated testing tool that separates applications into features and allows those features to be tied together independently, creating test cases. These test cases can then be data-driven and executed against different environments. Jameleon breaks applications into features and allows testing at any level, simply by passing in different data for the same test. Because Jameleon is based on Java and XML, there is no need to learn a proprietary technology.
It's an acceptance testing tool for testing the functionality provided by applications, and currently supports the testing of Web applications. It differs from regular HttpUnit and jWebUnit in that it separates testing of features from the actual test cases themselves. If I understand it correctly, you write the feature tests separately and then script them together into a reusable test case. Incidentally, you can also make these test cases data-driven, which gives an easy way of running specific tests on specific environments.
The framework has a plugin architecture, allowing different functional testing tools to be used, and there is a plugin for testing Web applications using HttpUnit/jWebUnit. The test case scripting is done with XML and Jelly.
Jameleon combines XDoclet, Ant and Jelly to provide a potentially powerful framework for solid functional testing of your Webapp. It strikes a good balance between scripting and coding, and allows you to set up multiple inputs per test by providing input via CSV files. Along with the flexibility come a complexity and maintenance overhead, but you are getting your Webapp tested for you.

View All Answers

**Question - 8:**

Explain Web Application Testing Tool Bugkilla?

**Ans:**

Bugkilla is a tool set to create, maintain, execute, and analyze functional system tests of Web applications. Specification and execution of tests is automated for both the Web frontend and business logic layers. One goal is to integrate with existing frameworks and tools (an Eclipse Plugin exists)

View All Answers

**Question - 9:**

Explain Web Application Testing Tool Anteater?

**Ans:**

Anteater is a testing framework designed around Ant, from the Apache Jakarta Project. It is basically a set of Ant tasks for the functional testing of Web sites and Web services (functional testing being: hit a URL and ensure the response meets certain criteria). One can test HTTP parameters, response codes, XPath, regexp, and Relax NG expressions. Anteater also includes HTML reporting (based on junitreport) and a hierarchical grouping system for quickly configuring large test scripts. When a Web request is received, Anteater can check the parameters of the request and send a response accordingly. This makes it useful for testing SOAP and XML applications.
The ability to wait for incoming HTTP messages is something unique to Anteater, which makes it especially useful when building tests for applications that use high level SOAP-based communication, like ebXML or BizTalk. Applications written using these protocols usually receive SOAP messages and send back a meaningless response. It is only later that they inform the client, using an HTTP request on the client, about the results of the processing. These are the so-called asynchronous SOAP messages, and are the heart of many high-level protocols based on SOAP or XML messages.

Written in Java, HttpUnit emulates the relevant portions of browser behavior, including form submission, Javascript, basic HTTP authentication, cookies, and automatic page redirection, and allows Java test code to examine returned pages either as text, an XML DOM, or containers of forms, tables, and links.

View All Answers

**Question - 10:**

Explain Java Application Testing Tool Pounder?

**Ans:**

Pounder is a utility for testing Java GUIs. It allows developers to dynamically load components, record scripts, and then use those scripts in JUnit. It supports custom components, drag-and-drop, and the examination of test runs in source.

View All Answers

**Question - 11:**

Explain Java Application Testing Tool JFunc?

**Ans:**

JFunc is an extension to the JUnit testing framework to make it easier for use with functional tests. Functional testing (also called integration testing) significantly differs from unit testing in a number of respects. Part of this project is dedicated towards putting together code to address these differences; the other part of this project is putting together methodologies for functional testing.

View All Answers

**Question - 12:**

Explain Java Application Testing Tool DejaGnu?

**Ans:**

DejaGnu is a framework for testing applications such as Tcl, C, C++, Java, and network applications, and cross testing embedded systems. Its purpose is to provide a single frontend for all tests. Think of it as a custom library of Tcl procedures crafted to support writing a test harness. A "test harness" is the testing infrastructure that is created to support a specific program or tool. Each program can have multiple test suites, all supported by a single test harness. DejaGnu is written in Expect, which in turn uses Tcl, Tool Command Language. There has not been a new release in quite a while, although the snapshots are quite stable.

View All Answers

**Question - 13:**

Explain Link Checking Tool CyberSpyder Link Test?

**Ans:**

CyberSpyder Link Test - Shareware link checker by Aman Software; capabilities include specified URL exclusions, ID/Password entries, test resumption at interruption point, page size analysis, 'what's new' reporting. For Windows. http://www.cyberspyder.com/cslnkts1.html

View All Answers

**Question - 14:**

Explain Link Checking Tool InfoLink?

**Ans:**

InfoLink- Link checker program from BiggByte Software; can be automatically scheduled; includes FTP link checking; multiple page list and site list capabilities; customizable reports; changed-link checking; results can be exported to database. For Windows. Discontinued, but old versions still available as freeware. http://www.biggbyte.com/

View All Answers

**Question - 15:**

Explain Link Checking Tool Linkalarm?

**Ans:**

Linkalarm - Low cost on-the-web link checker from Link Alarm Inc.; free trial period available. Automatically-scheduled reporting by e-mail. http://www.linkalarm.com/

View All Answers

**Question - 16:**

Explain Link Checking Tool Site Audit?

**Ans:**

Site Audit - Low-cost on-the-web link-checking service from Blossom Software. http://www.blossom.com/site_audit.html

View All Answers

**Question - 17:**

Explain Link Checking Tool Link Checker Pro?

**Ans:**

Link Checker Pro - Link check tool from KyoSoft; can also produce a graphical site map of entire web site. Handles HTTP, HTTPS, and FTP protocols; several report formats available. For Windows platforms. http://www.link-checker-pro.com/

View All Answers

**Question - 18:**

Explain Link Checking Tool HiSoftware Link Validation Utility?

**Ans:**

HiSoftware Link Validation Utility - Link validation tool; available as part of the AccVerify Product Line. http://www.hisoftware.com/

**Question - 19:**

Explain Software Test Tool Squish?

**Ans:**

Squish is the leading GUI test tool for Qt-based applications making it possible to create automated GUI tests for Qt applications on different platforms such as Windows, Linux/Unix, Mac OS X and embedded Linux. With Squish 3.0, froglogic didn't only add many new and useful features to strengthen its position as the leading and most used GUI testing tool for Qt applications
www.froglogic.com

**Question - 20:**

Explain Software Test Tool X-UNITY?

**Ans:**

Kind of Tool
Unit testing and continuous integration environment
Organization
Validio Ukraine
http://x-unity.miik.com.ua/
Software Description
X-Unity is a unit testing environment designed for Microsoft .NET framework. Its primary purpose is to automate and facilitate day-by-day unit testing activities, making them a natural part of your development process. The creation of X-Unity was inspired by ideas of Extreme Programming and Refactoring, and its code was written from scratch with heavy usage of these techniques.
Platforms
Microsoft .NET

**Question - 21:**

Explain Software Test Tool WINFEEDBACK?

**Ans:**

Kind of Tool
WinFeedback is a Windows scripting extension for testing, monitoring and automation.
Organization
Beson Data
http://www.winfeedback.com/
Software Description
WinFeedback 4.0 is a Windows Scripting extension for testing, monitoring and automation purposes. It includes a Developer application that makes it easy to create and test new scripts. The enclosed sample scripts may be used as templates for customized solutions. WinFeedback may be used for response timing, up-timing, automated functional testing, stress testing, health monitoring, task automation, input macros etc.
WinFeedback has an input recording and playback function for automation scripts. The recorder captures user input by keyboard and mouse and generates the corresponding script statements. The playback engine identifies the correct target object in Windows graphical interface and correlates the playback sequence with the needed processing time.
The WinFeedback engine is an ActiveX DLL that is developed in Visual Basic 6.0. WinFeedback objects are used as scripting components in VbScript. The library contains more than 100 methods and properties and its primarily object is called TScript for Testing Script.
Platforms
Windows 9X/NT/2000/XP

**Question - 22:**

Explain Software Test Tool VTEST?

**Ans:**

Kind of Tool
vTest is an automated functional & regression testing tool for web applications
Organization
Verisium, Inc.
http://www.verisium.com/
Software Description
vTest is an automated functional and regression testing tool for web applications. It incorporates record, verify, playback and reporting capabilities. vTest does not require a programming background. For those users who wish to use scripting, it uses JavaScript as the scripting language.
Platforms
Windows 2000, XP, 2003

**Question - 23:**

Explain Software Test Tool VISTATASK PRO?

**Ans:**

Kind of Tool
Automation and GUI Test Tool
Organization
Vista Software, Inc.
http://www.vista-software.com/
Software Description
VistaTask Pro provides advanced task automation for many purposes, such as software quality assurance testing, installation tasks, or training systems. It has been carefully designed to provide total control without the need to write any code. It offers easy Windows automation, while still providing enterprise-level features such as data-driven models, Win32 API access, Checkpoints, and Image Masking. There is zero code to write in VistaTask Pro - just click to add new commands. Since no programming is required, anyone can create powerful automation tasks. Although it uses no code, VistaTask Pro still allows you to control all aspects for each action in its feature-rich interface.
Platforms
Win95, Win98, WinME, WinNT, Win 2000, WinXP

**View All Answers**

**Question - 24:**

Explain Software Test Tool UNIFIED TESTPRO (UTP)?

**Ans:**

Kind of Tool
3rd Generation Test Automation Solution
Organization
SDT (Software Development Technologies)
http://www.sdtcorp.com/
Software Description
Unified TestPro is a proven 3rd generation test automation solution, which uses a roles-based software test automation approach to Design, Build and Run automated test cases. Using Key Words UTP creates cost-effective and maintainable test suites allowing more automated testing with fewer technical resources. SDTs extensive customer base has successfully employed this solution for use in many technological areas - Legacy Client/Server, E-commerce, Embedded, APIs, Telecom, Java, Web, etc.
Platforms
Windows Platforms, Unix Platforms, Embedded Systems and Telecom.

**View All Answers**

**Question - 25:**

Explain Software Test Tool TESTSMITH?

**Ans:**

Kind of Tool
Windows/Web App GUI Test Automation Tool
Organization
Quality Forge
http://qualityforge.com/
Software Description
TestSmith is a powerful and versatile Functional/Regression Test Tool. It features an Intelligent, HTML/DOM-Aware and Object Mode Recording Engine, and a Data-Driven, Adaptable and Multi-Threaded Playback Engine. TestSmith provides a complete and stable solution for testing Web Sites, Web Applications and Desktop/Windows Applications - at very low cost.
Platforms
Windows NT/2000/XP

**View All Answers**

**Question - 26:**

Explain Software Test Tool TESTGUI?

**Ans:**

Kind of Tool
Automated testing of GUI applications for IBM, Microsoft & Oracle platforms
Organization
Original Software
http://www.origsoft.com/
Software Description
TestGUI offers unrivalled GUI test automation for the IBM iSeries (AS/400), SQL Server, MS Access and Oracle platforms.
• Detailed testing of all Windows applications
• Intelligent interrogation of individual screen elements
• Complete understanding of Jwalk?, Cool:Plex, Delphi and Visual Lansa, Visual Basic and C++ object classes
• Also supports Microsoft.Net and VideoSoft Flexgrid controls
• Fast-start function & regression testing
• Full verification of underlying batch & interactive processes for the AS/400
• Dramatic increase in applications quality and performance
Platforms
AS/400, SQL Server, Oracle, MS Access

**View All Answers**

**Question - 27:**

Explain Software Test Tool TESTBENCH FOR ISERIES?

**Ans:**

Kind of Tool

Automated testing for green-screen, GUI and web appliations on the AS/400
Organization
Original Software
http://www.origsoft.com/
Software Description
Complete and integrated Database, Screen & Report test automation, designed specifically for AS/400 iSeries systems. For: green-screen, GUI & Web applications. TestBench tests not just the front-end application, but all server activity related to the application as well.
• Batch and Interactive program coverage
• Advanced test planning, test data creation and management
• Central storage of scripts and results on the server
• Checking of file updates, data areas, program parameters, job logs and data queue
• Full test results analysis and audit-ready reporting
Platforms
AS/400

View All Answers

## Question - 28:

Explain Software Test Tool TESTAGENT?

**Ans:**

Kind of Tool
TestAgent is an innovative tool for web testing that seamlessly integrates User Acceptance Testing into the existing test processes and extends UAT into post production.
Organization
Strenuus
http://www.strenuus.com/
Software Description
TestAgent focuses on making User Acceptance Testing more efficient and it enables developers and QA to meet deadlines without compromising quality. Some of the key features include capturing and recording all data on the applications' pages, automatically detecting and capturing standard and custom content errors. TestAgent doesn't only report that the page failed but it also gives all the information necessary to troubleshoot the problem. Detailed reports on historical performance are available.
Platforms
Any web server platform. Clients use IE 4.0+ and Windows 95, 98,NT,2000, XP.

View All Answers

## Question - 29:

Explain Software Test Tool vista?

**Ans:**

Kind of Tool
Automated GUI Recording and Replay Testing
Organization
Vista Software, Inc.
http://www.vista-software.com/
Software Description
Tasker is a GUI keyboard and mouse recorder with a clean and simple interface that was inspired by the VCR: buttons for Record, Stop, and Play. It is easy to get started with Tasker since it is not necessary to learn the scripting language. Once you record your actions for testing, you can play them back at the speed you desire and loop as many times as you like. There are many advanced features as well, such as dynamic auto-typing for unique data entry, loop interruption, playback logging, and the ability to compile native .EXE programs. Any actions that you record can be saved as an editable text file (.TXT), and there is a small scripting language available as well. These features allow you to have complete control over the playback actions.
Platforms
Windows 95/98/ME/NT 4.0/2000/XP

View All Answers

## Question - 30:

Explain Software Test Tool SQA TEAMTEST: ERP EXTENSION FOR SAP?

**Ans:**

Kind of Tool
Functional Testing and Implementation Tool
Organization
IBM Rational Software
http://www.rational.com/
Software Description
SQA TeamTest ERP Extension provides automated validation (functional testing) of SAP R/3 implementations. It is packaged as an SQA Robot extension, so you get the advanatages of SQA Robot's object-level recording, which provides robust test scripts, even when the SAP application changes as a result of configuration changes.
Platforms
Microsoft Windows NT 3.51, Windows NT 4.0, or Windows 95, and SAP R/3

View All Answers

## Question - 31:

Explain Software Test Tool SILKTEST?

**Ans:**

Kind of Tool
Automated functional and regression testing

Organization
Segue Software, Inc.
http://www.segue.com/

View All Answers

**Question - 32:**

Explain Software Test Tool RUBY WIN32::GUITEST?

**Ans:**

Kind of Tool
Windows GUI test library for Ruby (freeware)
Organization
MoonWolf
http://raa.ruby-lang.org/list.rhtml?name=win32-guitest
Software Description
A work-in-progress port of Perl's Win32::GuiTest module.
Platforms
Windows

View All Answers

**Question - 33:**

Explain Software Test Tool QUICKTEST PROFESSIONAL?

**Ans:**

Kind of Tool
Functional Test Automation Tool
Organization
Mercury Interactive
http://www.mercuryinteractive.com/

View All Answers

**Question - 34:**

Explain Software Test Tool QES/EZ FOR GUI?

**Ans:**

Kind of Tool
Automated GUI Software Testing system without scripting
Organization
QES, Inc.
http://www.qestest.com/
Software Description
QES/EZ is an automated GUI software testing system without the need for scripting or programming. The testdata is stored in a relational database which makes the maintenance and management of the testdata very efficient and easy. QES/EZ for GUI has 2 runlevels, extensive timing and comparison controls, reporting capabilities, variables, dynamic interaction with the target systems behaviour, etc. QES/EZ gives you the power to automatically validate, verify, test and populate any software systems without scripting. You do not have to tell QES/EZ what to test! You can instantly Capture and Execute the test!
Platforms
Windows 3.x, Windows/95, Windows/NT, OS/2

View All Answers

**Question - 35:**

Explain Software Test Tool Q1?

**Ans:**

Kind of Tool
Automated GUI Test Script Development
Organization
Lightweight Technologies
http://www.lw-tech.com/
Software Description
Q1 is a tool for developing GUI and HTML automated tests. It was designed to provide great control while maintaining low-cost to make it affordable to small companies and individual developers. Its features are:
• Smooth learning curve: write tests in JScript and VBScript
• Reusability: reuse familiar technologies
• Test from a developer's perspective
• Control: test a wide range of applications
• Low Price
Platforms
Windows NT/2000/XP

View All Answers

**Question - 36:**

Explain Software Test Tool POUNDER?

**Ans:**

Kind of Tool
Utility for automating Java GUI tests (freeware)

Organization
Matthew Pekar
http://pounder.sourceforge.net/
Software Description
Pounder is a utility for automating Java GUI tests. It allows developers to dynamically load GUI's, record scripts, and then use those scripts in a test harness. Requires Java 1.4. It is licensed under the GNU Library General Public License. Pounder differentiates itself from other utilities by allowing you to examine the results of a test run in source, while maintaining a separate GUI script that can be re-recorded if necessary. Browse the Howto and Internals pages for more details on what features are available, and how Pounder works.
Platforms
Platforms supported by Java.
Entry updated May 29, 2003.

**View All Answers**

**Question - 37:**

Explain Software Test Tool PERL GUITEST?

**Ans:**

Kind of Tool
Automated GUI client testing tool (freeware)
Organization
Ernesto Guisado
http://groups.yahoo.com/group/perlguitest/join
Software Description
GUI testing using Perl.
Platforms
Win32
PERL X11::GUITEST
Kind of Tool
Automated GUI client testing tool (freeware) (freeware)
Organization
Dennis K. Paulsen
http://sourceforge.net/projects/x11guitest
Software Description
X11::GUITest is a Perl package intended to facilitate the testing of GUI applications by means of user emulation. It can be used to test and interact with GUI applications; which have been built in some fashion (GTK+, Qt, Motif, etc.) upon the X library.
Platforms
Linux, FreeBSD, Solaris

**View All Answers**

**Question - 38:**

Explain Software Test Tool MARATHON?

**Ans:**

MARATHON
Kind of Tool
GUI test tool for Java Swing interfaces (freeware)
Organization
ThoughtWorks, Inc.
http://marathonman.sourceforge.net/
Software Description
Marathon is a gui-test tool that allows you to play and record scripts against a java swing ui. It's written in java, and uses python as its scripting language - the emphasis being on an extremely simple, readable syntax that customers/testers/analysts feel comfortable with. It is full fledged python, so it is also extremely powerful and customizable for developer-types.
Platforms
Platforms supported by Java.

**View All Answers**

**Question - 39:**

Explain Software Test Tool JFCUNIT?

**Ans:**

Kind of Tool
JUnit extension for Java Swing applications (freeware)
Organization
jfcUnit project
http://jfcunit.sourceforge.net/
Software Description
jfcUnit enables developers to write test cases for Java Swing based applications. It provides support for:
1. Obtaining handles on Windows/Dialogs opened by the Java code.
2. Locating components within a component hierarchy that occur within the containers found above.
3. Raising events on the found components, e.g. clicking a button, typing text in a TextComponent.
4. Handling testing of components in a thread safe manner.
Distributed under the GNU LGPL.
Platforms
Platforms supported by Java Swing

**View All Answers**

**Question - 40:**

Explain Software Test Tool JEMMY?

**Ans:**

Kind of Tool
Java library allowing to create automated tests for Java GUI (freeware)
Organization
SUN Microsystems
http://jemmy.netbeans.org/
Software Description
Jemmy is a JavaTM library that is used to create automated tests for Java GUI applications. It contains methods to reproduce all user actions which can performed on swing and AWT components (i.e. button pushing, text typing, tree node expanding, ...). JemmyTest is a program written in Java which uses the Jemmy API to test applications.
Platforms
Any platform supported by Java

View All Answers

**Question - 41:**

Explain Software Test Tool IMBUS GUI TEST CASE LIBRARY?

**Ans:**

Kind of Tool
Library of predifined test cases for automated GUI testing
Organization
imbus AG
http://www.imbus.de/
Software Description
The imbus Test Case Library is a powerful and easy to use add-on for Mercury Interactive?s WinRunner. It extends WinRunner?s functionality and provides solutions for frequent test programming problems. The library functions help you to improve, simplify and speed up your test implementation process. They were developed by experienced imbus engineers and have been proven in numerous GUI testing projects.
Platforms
Runs with Mercury Interactive WinRunner (4.04 or higher) on Windows NT/WIN 95 systems.

View All Answers

**Question - 42:**

Explain Software Test Tool GUIDANCER?

**Ans:**

Kind of Tool
Create automated GUI tests for programs written with Java and Swing without any programming.
Organization
Bredex GmbH
http://www.guidancer.com/
Software Description
GUIdancer uses a sophisticated, yet easy-to-use specification method which eliminates all programming from test creation. A variety of powerful features allow the extensive reuse of editable test elements, resulting in tests which are quick to create, highly adaptable, and which require only minimal maintenance. Flexible and stable, and all without programming.
Platforms
Platform-independent

View All Answers

**Question - 43:**

Explain Software Test Tool EVALID?

**Ans:**

Kind of Tool
Test-enabled web browser
Organization
Software Research, Inc.
http://www.e-valid.com/
Software Description
eValid's Test Enabled Web Browser (TM) is a test engine that provides you with browser based 100% client side quality checking, dynamic testing, content validation, page performance tuning, and webserver loading and capacity analysis. This new cutting-edge technology is 100% client side based and is completely object oriented. eValid offers a unified approach to WebSite testing that is unique in its simplicity, power, efficiency, effectiveness, and superior ease of use. By focusing entirely on the users' view of WebSite quality. eValid results are accurate, complete, repeatable, and highly effective -- all as experienced by your users. The eValid test engine is available in server product configurations.
• Mapping: eValid Site Analysis and spidering Mode will systematically examine a WebSite or sub-WebSite for critical quality factors such as slow downloading pages, unavailable links, too-long pages.
• Functional & Regression Testing: eValid test scripts can exercise the key parts of your site, confirm links, check content, and simulate users' activities. Make sure your customers get the right message!
• Validation: eValid can confirm selected content, validate document properties, images and applets. Have confidence that you are delivering correct information! Test Suite management as well.
• Loading: eValid load testing scenarios can simulate 100's or 1000's of users. Can your WebSite handle the traffic when a serious crunch comes?
• Tuning: eValid timing capabilities let you identify slow-loading pages so you can "tune-up" your site for optimum performance. Keep customers from clicking away! Transaction monitoring as well.
One integrated product, superbly easy to use, fast to get results. And, priced to respect your budget!
Platforms
Windows Server 2003, Windows NT/2000/XP

View All Answers

**Question - 44:**

Explain Software Test Tool EGGPLANT FOR MAC OS X?

**Ans:**

Kind of Tool
Automate functional testing
Organization
Redstone Software, Inc.
http://www.redstonesoftware.com/
Software Description
Eggplant is a test automation tool for Mac OS X, which allows automation of almost any manual test. Eggplant tests the end user experience, much as a manual tester would. The interactive scripting development capability allows even an unsophisticated user to start using Eggplant within hours. Eggplant?s capabilities are also powerful enough to support the most complex environments and experienced users. Eggplant?s strengths are its ease of use and learning, its versatility, and its cost-effectiveness.
Eggplant runs on a Mac OS X system but can test any system- under-test attached via standard TCP/IP (local or remote). This allows Eggplant to test not only Mac OS X or Mac OS 9 systems, but also Windows, Unix, Linux, and other environments.
Platforms
Runs on Mac OS X, tests any platform

View All Answers

**Question - 45:**

Explain Software Test Tool E-MONITOR?

**Ans:**

Kind of Tool
24x7 Post Deployment Monitoring of Web Applications
Organization
Empirix
http://www.empirix.com/
Software Description
e-Monitor, a component of the e-Test Suite, provides continuous, comprehensive testing for Web applications after deployment. e-Monitor acts like a quality assurance engineer, testing and reporting failures in real time. Re-using Visual Scripts created with e-Tester, the test authoring tool, e-Monitor schedules comprehensive regression testing around the clock. On detecting a problem, e-Monitor provides a wide variety of corrective actions as well as extensive notification options to alert systems managers to the problem and its nature. Visit our website today for a fully functional free trial at www.empirix.com
Platforms
Windows NT, 95 and 98

View All Answers

**Question - 46:**

Explain Software Test Tool CERTIFY?

**Ans:**

Kind of Tool
Business-user-oriented automated testing system
Organization
Worksoft
http://www.worksoft.com/
Software Description
Certify provides enterprise-level test automation. It allows tests to span applications, platforms and test tools while shielding users from the complexities of script languages. Certify detects application changes and automatically maps them to affected tests, simplifying maintenance and protecting the investment in the test repository.
Platforms
Windows 98, NT, 2000. May require third party test tool for client/server applications

View All Answers

**Question - 47:**

Explain Software Test Tool BADBOY?

**Ans:**

Kind of Tool
Capture/Replay Web Test Tool
Organization
Badboy Software
http://www.badboy.com.au/
Software Description
Badboy is a solution for web developers and testers who want a cost effective capture replay tool for their desktop. It makes capturing a test script easy and then offers sophisticated playback options to handle complex, dynamic applications. Badboy also offers its own stress testing features in addition to integration with Apache JMeter. Badboy's license allows free unrestricted use to organizations with small numbers of users and is very affordable for others.
Platforms
Windows 2000/XP

View All Answers

**Question - 48:**

Software Test Tool AUTOTESTER FOR OS/2?

**Ans:**

Kind of Tool

GUI Test Driver
Organization
AutoTester Inc.
http://www.autotester.com/
Software Description
AutoTester for OS/2 is an automated testing tool designed specifically for the creation, execution and documentation of automated tests for OS/2-based applications.
Platforms
OS/2-based apps

**View All Answers**

**Question - 49:**

Explain Software Test Tool AUTOPILOT?

**Ans:**

Kind of Tool
automated GUI testing
Organization
BSSE System and Software Enginering
http://www.bsse.biz/
Software Description
AutoPilot is a tool for automated GUI testing by scripts.
• C/C++ like script interpreter compilable, strong typing
• script wizard
• automated script generation from spreadsheets, event tracking, autocode generator
• event and action tracing
• remote script execution / networking capabilities
• verification capabilities
• string and file handling, environment variables
• time-tagged and event-triggered script execution, synchronisation of scripts by (named) semaphores
• test coverage, tracking and analysis
• on-line training facility
• image processing
• random data generation (context-driven)
Platforms
Mac OS 9, Mac OS X.1, Mac OS X.2 (Q4/2002)
MS-Windows Q1/2003

**View All Answers**

**Question - 50:**

Explain Software Test Tool AUTOIT?

**Ans:**

Kind of Tool
Windows automation language (freeware)
Organization HiddenSoft
http://www.hiddensoft.com/AutoIt/
Software Description
AutoIt is a simple tool that can simulate key presses, mouse movements and window commands (maximize, minimize, wait for, etc.) in order to automate any windows based task (or even windowed DOS tasks).
There is also an ActiveX control version of AutoIt called AutoItX. This is a stand alone control that can be used to great effect under other scripting languages such as WSH/VBScript.
A pure DLL version of AutoIt called AutoItDLL is also available for adding AutoIt functionality to your own programs and scripts. It includes full function documentation.
Platforms Windows

**View All Answers**

**Question - 51:**

Explain Software Test Tool ABBOT?

**Ans:**

Kind of Tool
Java GUI test framework (freeware)
Organization
Timothy Wall
http://abbot.sourceforge.net/
Software Description
The Abbot framework is a Java library that provides methods to reproduce user actions and examine the state of GUI components. Improving upon the very rudimentary functions provided by the java.awt.Robot class (A Better 'Bot). The framework may be invoked directly from Java code or accessed without programming through the use of scripts. It is suitable for use both by developers for unit tests and QA for functional testing.
Distributed under the GNU LGPL.
Platforms
Platforms supported by Java.

**View All Answers**

**Question - 52:**

Explain Software Test Tool Candela Technologies?

**Ans:**

Candela Technologies provides powerful and affordable Ethernet traffic generation equipment featuring large port counts in a compact form factor.
Candela Website http://www.candelatech.com/
Candela Technologies Software Test Tools
LANforge FIRE - LANforge now has better support of Microsoft Windows operating systems. Please see the bottom of this file for details on the supported features. LANforge on Linux is still the most precise, featureful, and highest performing option.

View All Answers

### Question - 53:

Explain Software Test Tool Dynamic Memory Solutions?

**Ans:**

DMS software is focused on Quality Tools for Software Development. DMS is headquartered in Connecticut, USA and is privately owned.
Website http://www.dynamic-memory.com/
Dynamic Memory Solutions Software Test Tools
Dynamic Profile - The Dynamic Profile delivers the Unix Performance information your staff needs to keep your software running fast. All too often, production jobs run slower than predicted for some reason. A storm of conjecture and blames ensues regarding the diagnosis of the problem. Is it the new patch, the database, the network, a disk, ...? With the Dynamic Profile your operations staff can gather key information to diagnose the problem.
Dynamic Profile - The Dynamic Profile delivers the Unix Performance information your staff needs to keep your software running fast. All too often, production jobs run slower than predicted for some reason. A storm of conjecture and blames ensues regarding the diagnosis of the problem. Is it the new patch, the database, the network, a disk, ...? With the Dynamic Profile your operations staff can gather key information to diagnose the problem.
Dynamic Leak Check for UNIX - Dynamic Memory Solutions offers a complete solution to memory leak problems in the UNIX environment. Primarily targeted at medium to large software companies, Dynamic Leak Check makes leak detection easy and fast. Your programmers, testers and operations team can improve software quality, lower support costs, and increase customer satisfaction simply by using Dynamic Leak Check. The tool is so effective that our customers often experience an immediate total Return On Investment.
Dynamic Code Coverage - The Dynamic Code Coverage user guide may be downloaded by clicking on this link: User Guide Dynamic Code Coverage allows your team to identify untested portions of your code. This measurement leads to more effective testing. Effective testing a cornerstone of software quality. By using, Dynamic Code Coverage your team will improve your software quality immediately.
Dynamic Debug - Dynamic Debug identifies and pinpoints a wide variety of memory errors including:
Overflow errors on heap, stack, global and shared memory.
New/delete, malloc/free errors. C/C++ has a large variety of errors associated with heap memory interfaces.
Interface errors to standard libraries e.g. strcpy, printf
Uninitialized memory access
Accessing memory after free/delete
Null Pointer problems
I/O problems

View All Answers

### Question - 54:

Explain Software Test Tool AutoTester?

**Ans:**

AutoTester was founded in 1985 and was the first automated test tool company. Since its inception, AutoTester has continually led the automated software testing industry with its innovative and powerful testing tools designed to help customers worldwide with e-business, SAP R/3, ERP, and Windows software quality initiatives.
AutoTester Website http://www.autotester.com/
AutoTester Software Test Tools
AutoTester ONE - Functional, regression, and systems integration testing of Windows, Client Server, Host/Legacy, or Web applications. Provides true end-to-end testing of applications.

View All Answers

### Question - 55:

Explain Software Test Tool Empirix?

**Ans:**

Empirix is the leading provider of integrated testing and management solutions for Web and voice applications and VoIP networks.
Empirix Website http://www.empirix.com/
Empirix Software Test Tools
e-TEST suite - A powerful, easy-to-use application testing solution that ensures the quality, performance, and reliability of your Web applications and Web Services. This integrated, full lifecycle solution allows you to define and manage your application testing process, validate application functionality, and ensure that your applications will perform under load. With e-TEST suite, you can deploy your Web applications and Web Services in less time while maximizing the efficiency of your testing team.
e-Manager Enterprise - A comprehensive test management solution that allows you to plan, document, and manage the entire application testing process. Its intuitive, Web-based interface and integrated management modules allow you to set up a customized testing process to fit the needs of your organization.
e-Tester - A flexible, easy-to-use solution for automated functional and regression testing of your Web applications and Web Services. It provides the fastest way to create automated scripts that emulate complex Web transactions. e-Tester then allows you to use these scripts for automated functional and regression testing. The same scripts can also be used in e-Load for load and performance testing and in OneSight for post-deployment application management.
e-Load - A powerful solution that enables you to easily and accurately test the performance and scalability of your Web applications and Web Services. Using e-Load you can simulate hundreds or thousands of concurrent users, executing real business transactions, to analyze how well your Web applications will perform under load. It also allows you to monitor the performance of your back-end application infrastructure, during your load test, to identify bottlenecks and help you tune application performance. e-Load is fully accessible via a Web browser interface, which enables testers and developers to collaborate during the application testing and tuning process.

View All Answers

### Question - 56:

Explain Software Test Tool Segue?

**Ans:**

Segue Software is a global leader dedicated to delivering quality optimization solutions that ensure the accuracy and performance of enterprise applications. Today Segue solutions are successfully meeting the quality optimization challenges of more than 2,000 customers around the world, including 61% of the Fortune 100. Our results-oriented approach helps our customers optimize quality every step of the way.

Anyone who has used SilkTest along side any of the other test tools will agree that this is the most function rich out the box. However the learning curve (if you have no programming experience) is the steepest. In my opinion it provides the most robust facilities; an object map, test recovery facilities and object-based development language. Segue's performance test tool SilkPerformer also performs very well compared to it's rivals e.g. LoadRunner, LoadTest, etc.

Segue Website see http://www.segue.com/.

Segue Software Test Tools

SilkCentral Test Manager - Automate your testing process for optimal quality and productivity. SilkCentral Test Manager is an all-inclusive test management system that builds quality and productivity into the testing process to speed the delivery of successful enterprise applications. It lets you plan, document and manage each step of the testing cycle from capturing and organizing key business requirements, tracing them through execution ... designing the optimal test plans ... scheduling tests for unattended execution ... tracking the progress of manual and automated tests ... identifying the features at risk ... and assessing when the application is ready to go live.

SilkCentral Issue Manager - Resolve issues quickly & reliably by automating the tracking process. An estimated 80% of all software costs is spent on resolving application defects. With SilkCentralâ„¢ Issue Manager, you can reduce the cost and speed the resolution of defects and other issues throughout the entire application lifecycle. SilkCentral Issue Manager features a flexible, action-driven workflow that adapts easily to your current business processes and optimizes defect tracking by automatically advancing each issue to its next stage. Its Web user interface provides 24x7x365 access to a central repository of all defect-related information - simplifying usage among geographically dispersed groups and promoting collaboration among different departments. Meanwhile insightful reports enable you to determine project readiness based on the status of important issues.

SilkTest - Meet the time-to-market & quality goals of enterprise applications. SilkTest is the industry-leading automated tool for testing the functionality of enterprise applications in any environment. It lets you thoroughly verify application reliability within the confines of today's short testing cycles by leveraging the accuracy, consistency and time-saving benefits of Segue's automated testing technology. Designed for ease of use, SilkTest includes a host of productivity-boosting features that let both novice and expert users create functional tests quickly, execute them automatically and analyze results accurately. With less time spent testing, your QA staff can expand test coverage and optimize application quality. In addition to validating the full functionality of an application prior to its initial release, users can easily evaluate the impact of new enhancements on existing functionality by simply reusing existing test cases.

SilkTest International - Ensure the reliability of multi-lingual enterprise applications. When it comes to localized versions of global applications, companies traditionally resort to second-class manual testing - a time-consuming and costly process which leaves a large margin of error. SilkTest International changes all that by providing a quick, accurate and fully automated way to test localized applications.

SilkPerformer Component - Optimize component quality and reduce costs by testing remote application components early in development. As the central building blocks of a distributed application, remote application components are key to ensuring application quality. SilkPerformer Component Test Edition from Segue lets you test and optimize three major quality aspects of critical remote components early in the application lifecycle - even before client applications are available.

SilkPerformer - Test the limits of your enterprise applications. SilkPerformer is the industry's most powerful - yet easiest to use - automated load and performance testing solution for optimizing the performance, scalability and reliability of mission-critical enterprise applications. With SilkPerformer, you can accurately predict the "breaking points" in your application and its underlying infrastructure before it is deployed, regardless of its size or complexity. SilkPerformer has the power to simulate thousands of simultaneous users working with multiple computing environments and interacting with various application environments such as Web, client/server, Citrix MetaFrame, or ERP/CRM systems - all with a single script and one or more test machines. Yet its visual approach to scripting and root-cause analysis makes it amazingly simple and efficient to use. So you can create realistic load tests easily, find and fix bottlenecks quickly, and deliver high-performance applications faster than ever.

SilkCentral Performance Manager - Optimize the availability, performance and accuracy of mission-critical applications. SilkCentralâ„¢ Performance Manager is an application performance management solution for optimizing the quality of mission-critical applications. SilkCentral Performance Manager monitors the end-user experience on three dimensions: availability, accuracy and performance. Active monitoring utilizes synthetic business transactions for service-level and performance monitoring, while passive monitoring provides an understanding of real-user behavior by recording actual user transactions.

**View All Answers**

### Question - 57:

Explain Software Test Tool Rational?

**Ans:**

Rational is now part of IBM, which is leader in the invention, development and manufacture of the industry's most advanced information technologies, including computer systems, software, storage systems and microelectronics. Rational offers the most complete lifecycle toolset (including testing).

When it comes to Object Oriented development they are the acknowledged leaders with most of the leading OO experts working for them. Some of their products are worldwide leaders e.g. Rational Rose, Clearcase, RequistePro, etc.

Their Unified Process is a very good development model that I have been involved with which allows mapping of requirements to use cases, test cases and a whole set of tools to support the process.

If you are developing products using an OO approach then you should include Rational in the evaluation.

Rational Website http://www-306.ibm.com/software/rational/

Rational Tools

Rational Functional Tester - An advanced, automated functional and regression testing tool for testers and GUI developers who need superior control for testing Java, Microsoft Visual Studio .NET, and Web-based applications.

Rational Manual Tester - A manual test authoring and execution tool for testers and business analysts who want to improve the speed, breadth, and reliability of their manual testing efforts. Promotes test step reuse to reduce the impact of software change on manual test maintenance activities.

Rational Performance Tester - IBM Rational Performance Tester is a load and performance testing solution for teams concerned about the scalability of their Web-based applications. Combining ease of use with deep analysis capabilities, Rational Performance Tester simplifies test creation, load generation, and data collection to help ensure that applications can scale to thousands of concurrent users.

Rational Purify - Advanced runtime and memory management error detection. Does not require access to source code and can thus be used with third-party libraries in addition to home-grown code.

Rational Robot - General-purpose test automation tool for QA teams who want to perform functional testing of client/server applications.

Rational Test RealTime - Cross-platform solution for component testing and runtime analysis. Designed specifically for those who write code for embedded and other types of pervasive computing products.

**View All Answers**

### Question - 58:

Explain Web Development Testing Tool W3C Validation Services?

**Ans:**

W3C is THE standard in all of web validation. The W3C Validator looks into the markup of any website and display errors based on industry standards. It comes in over a dozen languages and a dozen varieties. Here are some of the most important validators:
- W3C Markup Validation
- W3C CSS Validation
- W3C mobileOK Checker

- W3C Link Checker
- W3C Feed Validation Service
These tools are designed to make websites as fast and bug-free as possible by detecting problems early. At the very least, they will let a developer know whether or not he or she needs to scream at Internet Explorer 6 for a while.

View All Answers

## Question - 59:

Explain Web Development Testing Tool Safari Web Inspector?

**Ans:**

One of the gems of Apple's Safari web browser is its Web Inspector feature. Web Inspector, only available after turning on the development tab, displays stylesheets, images, and scripts on any webpage. However, the most useful part of Web Inspector is its Network feature, which shows in real-time the order and speed in which documents and scripts transfer from the server to the browser. Use it to find which scripts, files, or images are placing the most strain on browsers. Then fix it.
http://www.apple.com/safari/

View All Answers

## Question - 60:

Explain Web Development Testing Tool Firebug Firefox Extension?

**Ans:**

The favorite extension of programmers everywhere, Firebug is one of the best applications around for debugging issues with front-end code and CSS. If there's any image or style that's out of line, checking it out with Firebug is the best response. It's even possible to change styles within the extension to see how a website will actually appear in the browser.
Firebug integrates with Firefox to put a wealth of web development tools at your fingertips while you browse. You can edit, debug, and monitor CSS, HTML, and JavaScript live in any web page.
http://getfirebug.com/

View All Answers

## Question - 61:

Explain Web Development Testing Tool WebSitePulse Test Tools?

**Ans:**

Want a fast test for response time, file size, and links? WebSitePulse Test Tools provides a series of quick and easy-to-use tests that graph out everything from website speed to link errors. It also provides numbers on file sizes, redirect speed, and DNS.
WebSitePulse is a leading provider of advanced, independent and remote monitoring services that enable clients to increase the efficiency of their mission-critical e-business operations, and to reduce their risk of failed Internet transactions and loss of revenue. Cost-effective, easy-to-use Monitoring Services are available to meet every need and every budget.
Server Monitoring - monitors any type of server, web server or network device as often as every minute with error detection and instant alerts.
Website Monitoring - monitors performance and availability of web sites as often as every minute simultaneously from a global monitoring network. Provides full-page downloads with real-time website alerts, generated if web page errors or website performance problems occur.
Application Monitoring - monitors complex multi-step web transactions and the applications they use. Features simultaneous full-page downloads for every step from multiple cities around the World.
Email System Monitoring with Round-Trip - verifies that your incoming and outgoing email services are working from and end-to-end perspective.
Key Features
• Simultaneous multi-pop web site monitoring from around the Globe
• Precise error detection and "triple stage" verification system
• Forced monitoring upon error detection
• Location correlated notification system with custom settings
• Real-time multi-media alerts with flexible escalation
• Remote hands upon Customer request
• Real-time reports with drill down capabilities and diagnose options
• Multi-user access with individual rights
• 24/7 Live customer support
Customer benefits
• Eliminate the risk of failed Internet transactions and loss of revenue and credibility
• Increase productivity of Web applications and ensure they are always available and running at peak performance
• Provides third party validation of the quality of web applications
• Provides site monitoring from outside the fire wall to demonstrate performance from the end-user perspective
http://www.websitepulse.com/

View All Answers

## Question - 62:

Comparing SilkTest and WinRunner Part 4

**Ans:**

Test Results Analysis
• SilkTest's test results file resolves around the test run. For example if you run 3 testcases [via a test suite or SilkOrganizer] all of the information for that test run will be stored in a single results file. There is a viewer to analyze the results of the last test run or X previous to the last run. Errors captured in the results file contain a full stack trace to the failing line of code, which can be brought up in the editor by double-clicking on any line in that stack trace.
• WinRunner's test results file revolves around each testcase. For example if you run 3 testcases [by hand or via a batch test or TestDirector] 3 test results files are created, each in a subdirectory under its associated testcase. There is a viewer to analyze the results of a test's last run or if results have not been deleted, a previous run. Double clicking on events in the log often expands that entry's information, sometimes bringing up specialized viewers [for example when that event is some type of checkpoint or some type of failure].
Managing the Testing Process
• SilkTest has a built-in facility, SilkOrganizer, for creating a testplan and then linking the testplan to testcases. SilkOrganizer can also be used to track the automation process and control the execution of selected groups of testcases. One or more user defined attributes [such as "Test Category", "Author", "Module", etc.] are assigned to each testcase and then later used in testplan queries to select a group of tests for execution. There is also a modest capability to add manual test

placeholders in the testplan, and then manually add pass/fail status to the results of a full test run. SilkTest also supports a test suite, which is a file containing calls to one or more test scripts or other test suites.
• WinRunner integrates with a separate program called TestDirector [at a substantial additional cost], for visually creating a test project and then linking WinRunner testcases into that project. TestDirector is a database repository based application that provides a variety of tools to analyze and manipulate the various database tables and test results stored in the repository for the project. A bug reporting and tracking tool is included with TestDirector as well [and this bug tracking tool supports a browser based client]. Using a visual recorder, testcases are added to one or more test sets [such as "Test Category", "Author", "Module", etc.] for execution as a group. There is a robust capability for authoring manual test cases [i.e. describing of each test step and its expected results], interactively executing each manual test, and then saving the pass/fail status for each test step in the repository. TestDirector also allows test sets to be scheduled for execution at a time and date in the future, as well as executing tests remotely on other machines [this last capability requires the Enterprise version of TestDirector]. TestDirector is also capable of interfacing with and executing LoadRunner test scripts as well as other 3rd party test scripts [but this later capability requires custom programming via TestDirector APIs]. Additionally TestDirector provides API's to allow WinRunner as well as other 3rd party test tools [and programming environments] to interface with a TestDirector database.
External Files
When the tool's source code files are managed with a code control tool such as PVCS or Visual SourceSafe, it is useful to understand what external side files are created:
• SilkTest implicitly creates *.*o bytecode-like executables after interpreting the source code contained in testcases and include files [but it unlikely that most people will want to source code control these files]. No side files are created in the course of using its recorders. SilkTest does though create an explicit *.bmp files for storing the expected and actual captured bitmap images when performing a bitmap verification.
• WinRunner implicitly creates many side files using a variety of extensions [*.eve, *.hdr, *.asc, *.ckl, *.chk, and a few others] in a variety of implicitly created subdirectories [/db, /exp, /chklist, /resX] under the testcase in the course of using its visual recorders as well as storing pass/fail results at runtime.

**Question - 63:**

Comparing SilkTest and WinRunner Part 3

**Ans:**

Custom Objects
Note: The description of this feature, more than any other in this report, is limited in its scope and coverage. An entire white paper could be dedicated to exploring and describing how each of these tools deal with custom objects. Therefore dedicate several days to evaluating how each of these tools accommodate custom objects in your specific applications. To deal with a custom object [i.e. an object that does not map to standard class] both tools support the use of class mapping [i.e. mapping a custom class to a standard class with like functionality], along with a variety of X:Y pixel coordinate clicking techniques [some screen absolute, some object relative] to deal with bitmap objects, as well as the ability to use external DLL functions to assist in object identification and verification. Beyond these shared capabilities each tool has the following unique custom object capabilities:
• SilkTest has a feature to overlay a logical grid of X rows by Y columns on a graphic that has evenly spaced "hot spots"[this grid definition is then used to define logical GUI declarations for each hot spot]. These X:Y row/column coordinates are resolution independent [i.e. the logical reference says "give me 4th column thing in the 2nd row", where that grid expands and contracts depending on screen resolution].
• WinRunner has a built-in text recognition engine which works with most standard fonts. This capability can often be used to extract visible text from custom objects, position the cursor over a custom object, etc. This engine can also be taught non-standard font types which is does understand out of the box. Both tools offer support for testing non-graphical controls through the advanced use of custom DLLs [developed by the user], or the Extension Kit [SilkTest, which may have to be purchased at an addition cost] and the Mercury API Function Library [WinRunner]. SilkTest and WinRunner Feature Descriptions Version 1.00 (7/6/00)
2.9 Internationalization (Language Localization)
• SilkTest supports the single-byte IBM extended ASCII character set, and its Technical Support has also indicated "that Segue has no commitment for unicode". The user guide chapter titled "Supporting Internationalized Applications" shows a straightforward technique for supporting X number of [single-byte IBM extended ASCII character set] languages in a single test frame of GUI declarations.
• WinRunner provides no documentation on how to use the product to test language localized applications. Technical Support has indicated that (1) "WinRunner supports multi-byte character sets for language localized testing...", (2) "there is currently no commitment for the unicode character set...", and (3) "it is possible to convert a US English GUI Map to another language using a [user developed] phrase dictionary and various gui_* built-in functions".
Database Interfaces
Both tools provide a variety of built-in functions to perform Structure Query Language (SQL) queries to control, alter, and extract information from any database which supports the Open Database Connectivity (ODBC) interface.
Database Verification
Both tools provide a variety of built-in functions to make SQL queries to extract information from an ODBC compliant database and save it to a variable [or if you wish, an external file]. Verification at this level is done with hand coding.
WinRunner also provides a visual recorder to create a Database Checkpoint used to validate the selected contents of an ODBC compliant database within a testcase. This recorder creates side files similar to GUI Checkpoints and has a built-in interface to (1) the Microsoft Query application [which can be installed as part of Microsoft Office], and (2) to the Data Junction application [which may have to be purchased at an addition cost], to assist in constructing and saving complex database queries.
Data Driven Testing
Both tools support the notion of data-driven tests, but implement this feature differently:
• SilkTest's implementation is built around an array of user defined records. A record is a data structure defining an arbitrary number of data items which are populated with values when the array is initialized [statically or at runtime]. Non-programmers can think of an array of records as a memory resident spreadsheet of X number of rows which contain Y number of columns where each row/column intersection contains a data item. The test code, as well as the array itself, must be hand coded. It is also possible to populate the array each time the test is run by extracting the array's data values from an ODBC compliant database, using a series of built-in SQL function calls. The test then iterates through the array such that each iteration of the test uses the data items from the next record in the array to drive the test or provide expected data values.
• WinRunner's implementation is built around an Excel compatible spreadsheet file of X number of rows which contain Y number of columns where each row/column intersection contains a data item. This spreadsheet is referred to as a Data Table. The test code, as well as the Data Table itself, can be created with hand coding or the use of the DataDriver visual recorder. It is also possible to populate a Data Table file each time the test is run by extracting the table's data values from an ODBC compliant database using a WinRunner wizard interfaced to the Microsoft Query application.. The test then iterates through the Data Table such that each iteration of the test uses the data items from the next row in the table to drive the test or provide expected data values. Both tools also support the capability to pass data values into a testcase for a more modest approach to data driving a test.
Restoring an Application's Initial State
• SilkTest provides a built-in recovery system which restores the application to a stable state, referred to as the basestate, when the test or application under test fails ungracefully. The default basestate is defined to be: (1) the application under test is running; (2) the application is not minimized; and (3) only the application's main window is open and active. There are many built-in functions and features which allow the test engineer to modify, extend, and customize the recovery system to meet the needs of each application under test.
• WinRunner does not provide a built-in recovery system. You need to code routines to return the application under test to its basestate-and dismiss all orphaned dialogs-when a test fails ungracefully.
Scripting Language
Both tools provide proprietary, interpreted, scripting languages. Each language provide the usual flow control constructs, arithmetic and logical operators, and a variety of built-in library functions to perform such activities as string manipulation, [limited] regular expression support, standard input and output, etc. But that is

where the similarity ends: • SilkTest provides a strongly typed, object-oriented programming language called 4Test. Variables and constants may be one of 19 built-in data types, along with a user defined record data type. 4Test supports single- and multi-dimensional dynamic arrays and lists, which can be initialized statically or dynamically. Exception handling is built into the language [via the do... except statement].

• WinRunner provides a non-typed, C-like procedural programming language called TSL. Variables and constants are either numbers or strings [conversion between these two types occurs dynamically, depending on usage]. There is no user defined data type such as a record or a data structure. TSL supports sparsely populated associative single- and [pseudo] multidimension arrays, which can be initialized statically or dynamically-element access is always done using string references-foobar["1"] and foobar[1] access the same element [as the second access is implicitly converted to an associative string index reference]. Exception handling is not built into the language. The only way to truly understand and appreciate the differences between these two programming environments is to use and experiment with both of them.

Exception Handling

Both tools provide the ability to handle unexpected events and errors, referred to as exceptions, but implement this feature differently:

• SilkTest's exception handling is built into the 4Test language-using the do... except construct you can handle the exception locally, instead of [implicitly] using SilkTest's default built-in exception handler [which terminates the currently running test and logs an error]. If an exception is raised within the do block of the statement control is then immediately passed to the except block of code. A variety of built-in functions [LogError(), LogWarning, ExceptNum(), ExceptLog(), etc.] and 4Test statements [raise, reraise, etc.] aid in the processing of trapped exceptions within the except block of code.

• WinRunner's exception handling is built around (1) defining an exception based on the type of exception (Popup, TSL, or object) and relevant characteristics about the exeception (most often its error number); (2) writing an exception hander, and (3) enabling and disabling that exception handler at appropriate point(s) in the code. These tasks can be achieved by hand coding or through the use of the Exception Handling visual recorder.

**Question - 64:**

Comparing SilkTest and WinRunner Part 2

**Ans:**

Addins and Extensions

Out of the box, under Windows, both tools can interrogate and work with objects and windows created with the standard Microsoft Foundation Class (MFC) library. Objects and windows created using a non-MFC technology [or non-standard class naming conventions] are treated as custom objects. Dealing with truly custom objects is discussed further in section 2.8 on page 6. But objects and windows created for web applications [i.e. applications which run in a browser], Java applications, Visual Basic applications, and PowerBuilder applications are dealt with in a special manner:

• SilkTest enables support for these technologies using optional extensions. Selected extensions are enabled/disabled in the current Option Set [or the configuration established by the default partner.ini option settings].

• WinRunner enables support for these technologies using optional addins. Selected addins are enabled/disabled using either the Addin Manager at WinRunner startup, or by editing the appropriate wrun.ini file prior to startup. Note that (1) some combinations of addins [WinRunner] and extensions [SilkTest] are mutually exclusive, (2) some of these addins/extensions may no longer be supported in the newest releases of the tool, (3) some of these addins/extensions may only support the last one or two releases of the technology [for example version 5 and 6 of Visual Basic] and (4) some of these addins and extensions may have to be purchased at an addition cost.

Visual Recorders

SilkTest provides visual recorders and wizards for the following activities: • Creating a test frame with GUI declarations for a full application and adding/deleting selective objects and windows in and existing GUI declarations frame file. • Capturing user actions with the application into a test case, using either context sensitive [object relative] or analog [X:Y screen coordinate relative] recording techniques. • Inspecting identifiers, locations and physical tags of windows and objects. • Checking window and object bitmaps [or parts thereof]. • Creating a verification statement [validating one or more object properties].

WinRunner provides visual recorders and wizards for the following activities: • Creating an entire GUI Map for a full application and adding/deleting selective objects and windows in an existing GUI Map. It is also possible to implicitly create GUI Map entries by capturing user actions [using the recorder described next]. • Capturing user actions with the application into a test case, using either context sensitive [object relative] or analog [X:Y screen coordinate relative] recording techniques. • Inspecting logical names, locations and physical descriptions of windows and objects. • Checking window and object bitmaps [or parts thereof]. • Creating a GUI checkpoint [validating one or more object properties]. • Creating a database checkpoint [validating information in a database]. • Creating a database query [extracting information from a database]. • Locating at runtime a missing object referenced in a testcase [and then adding that object to the GUI Map]. • Teaching WinRunner to recognize a virtual object [a bitmap graphic with functionality]. • Creating Data Tables [used to drive a test from data stored in an Excel-like spreadsheet]. • Checking text on a non-text object [using a built-in character recognition capability]. • Creating a synchronization point in a testcase. • Defining an exception handler. Some of these recorders and wizards do not work completely for either tool against all applications, under all conditions. For example neither tool's recorder to create a full GUI Map [WinRunner] or test frame [SilkTest] works against large applications, or any web application. Evaluate the recorders and wizards of interest carefully against your applications if these utilities are important to your automated testing efforts.

Object Hierarchy

• SilkTest supports a true object-oriented hierarchy of parent-child-grandchild-etc. relationships between windows and objects within windows. In this model an object such as a menu is the child of its enclosing window and a parent to its menu item objects.

• WinRunner, with some rare exceptions [often nested tables on web pages], has a flat object hierarchy where child objects exist in parent windows. Note that web page frames are treated as windows, and not child objects of the enclosing window on web pages that are constructed using frames.

Object Recognition

Both of these tools use a lookup table mechanism to isolate the variable name used to reference an object in a test script from the description used by the operating system to access that object at runtime:

• SilkTest normally places an application's GUI declarations in a test frame file. There is generally one GUI declaration for each window and each object in a window. A GUI declaration consists of an object identifier-the variable used in a test script-and its class and object tag definition used by the operating system to access that object at runtime. SilkTest provides the following capabilities to define an object tag: (1) a string, which can include wildcards; (2) an array reference which resolves to a string which can include wildcards; (3) a function or method call that returns a string, which can include wildcards, (4) an object class and class relative index number; and (5) multiple tags [multi-tags] each optionally conditioned with (6) an OS/GUI/browser specifier [a qualification label].

• WinRunner normally places an application's logical name/physical descriptor definitions in a GUI Map file. There is generally one logical name/physical descriptor definition for each window and each object in a window. The logical name is used to reference the object in a test script, while the physical descriptor is used by the operating system to access that object at runtime. WinRunner provides the following capabilities to define a physical descriptor: (1) a variable number of comma delimited strings which can include wildcards, where each string identifies one property of the object. [While there is only a single method of defining a physical descriptor, this definition can include a wide range and variable number of obligatory, optional, and selector properties on an object by object basis]. The notion behind this lookup table mechanism is to permit changes to an object tag [SilkTest] or a physical descriptor [WinRunner] definition without the need to change the associated identifier [SilkTest] or logical name [WinRunner] used in the testcase. In general the object tag [SilkTest] or physical descriptor [WinRunner] resolve to one or more property definitions which uniquely identify the object in the context of its enclosing parent window at runtime. It is also possible with both tools to dynamically construct and use object tags [SilkTest] or physical descriptors [WinRunner] at runtime to reference objects in test scripts.

Object Verification

Both tools provide a variety of built-in library functions permitting a user to hand code simple verification of a single object property [i.e. is/is not focused, is/is not enabled, has/does not have an expected text value, etc.]. Complex multiple properties in a single object and multiple object verifications are supported using visual recorders:

• SilkTest provides a Verify Window recorder which allows any combination of objects and object properties in the currently displayed window to be selected and captured. Using this tool results in the creation, within the testcase, of a VerifyProperties() method call against the captured window.

• WinRunner provides several GUI Checkpoint recorders to validate (1) a single object property, (2) multiple properties in a single object, and (3) multiple properties

of multiple objects in a window. The single property recorder places a verification statement directly in the test code while the multiple property recorders create unique checklist [*.ckl] files in the /chklists subdirectory [which describe the objects and properties to capture], as well as an associated expected results [*.chk] file in the /exp subdirectory [which contains the expected value of each object and property defined in the checklist file]. Both tools offer advanced features to define new verification properties [using mapping techniques and/or built-in functions and/or external DLL functions] and/or to customize how existing properties are captured for standard objects.

View All Answers

**Question - 65:**

Comparing SilkTest and WinRunner Part 1

**Ans:**

• SilkTest derives its initial startup configuration settings from its partner.ini file. This though is not important because SilkTest can be reconfigured at any point in the session by either changing any setting in the Options menu or loading an Option Set. An Option Set file (*.opt) permits customized configuration settings to be established for each test project. The project specific Option Set is then be loaded [either interactively, or under program control] prior to the execution of the project's testcases. The Options menu or an Option Set can also be used to load an include file (*.inc) containing the project's GUI Declarations [discussed in section 2.6 on page 5], along with any number of other include files containing library functions, methods, and variables shared by all testcases.

• WinRunner derives its initial startup configuration from a wrun.ini file of settings. During startup the user is normally polled [this can be disabled] for the type of addins they want to use during the session [refer to section 2.3 on page 3 for more information about addins]. The default wrun.ini file is used when starting WinRunner directly, while project specific initializations can be established by creating desktop shortcuts which reference a project specific wrun.ini file. The use of customized wrun.ini files is important because once WinRunner is started with a selected set of addins you must terminate WinRunner and restart it to use a different set of addins. The startup implementation supports the notion of a startup test which can be executed during WinRunner initialization. This allows project-specific compiled modules [memory resident libraries] and GUI Maps [discussed in section 2.6 on page 5] to be loaded. The functions and variables contained in these modules can then be used by all tests that are run during that WinRunner session.

Both tools allow most of the configuration setup established in these files to be over-ridden with runtime code in library functions or the test scripts.

Test Termination

• SilkTest tests terminate on exceptions which are not explicitly trapped in the testcase. For example if a window fails to appear during the setup phase of testing [i.e. the phase driving the application to a verification point], a test would terminate on the first object or window timeout exception that is thrown after the errant window fails to appear.

• WinRunner tests run to termination [in unattended Batch mode] unless an explicit action is taken to terminate the test early. Therefore tests which ignore this termination model will continue running for long periods of time after a fatal error is encountered. For example if a window fails to appear during the setup phase of testing, subsequent context sensitive statements [i.e. clicking on a button, performing a menu pick, etc.] will fail-but this failure occurs after a multi-second object/window "is not present" timeout expires for each missing window and object. [When executing tests in non-Batch mode, that is in Debug, Verify, or Update modes, WinRunner normally presents an interactive dialog box when implicit errors such as missing objects and windows are encountered].

View All Answers

**Question - 66:**

Software Test Automation Tool Evaluation Criteria Part 2

**Ans:**

Performance and Stress Testing
  * Performance and stress testing tool is integrated with GUI testing tool
  * Supports stress, load, and performance testing Allows for simulation of users without requiring use of physical workstations
  * Ability to support configuration testing (that is, tests can be run on different hardware and software configurations)
  * Ability to submit a variable script from a data pool of library of scripts/data entries and logon IDs/password
  * Supports resource monitoring (memory, disk space, system resources)
   * Synchronization ability so that a script can access a record in database at the same time to determine locking, deadlock conditions, and concurrency control problems
  * Ability to detect when events have completed in a reliable fashion
  * Ability to provide client to server response times
  * Ability to provide graphical results
  * Ability to provide performance measurements of data loading
Version Control
  * Does the tool come with integrated version control capability?
  * Can the tool be integrated with other version control tools
Test Planning and Management
  * Test planning and management tool is integrated with
GUI testing tool
  * Test planning and management tool is integrated with requirements management tool
  * Test planning and management tool follows specific industry standard on testing process (such as SEI/CMM, ISO)
  * Supports test execution management
   * Allows for test planning--does the tool support planning, managing, and analyzing testing efforts? Can the tool reference test plans, matrices, and product specifications to create traceability?
  * Allows for measuring test progress
  * Allows for various reporting activities
Pricing
  * Is the price within the estimated price range?
  * What type of licensing is being used (floating, fixed)?
  * Is the price competitive?
Vendor Qualifications
  * Maturity of product
  * Market share of product
  * Vendor qualifications, such as financial stability and length of existence. What is the vendor's track record?
  * Are software patches provided, if deemed necessary?
  * Are upgrades provided on a regular basis?
  * Customer support
  * Training is available
  * Is a tool Help feature available? Is the tool well documented?
  * Availability and access to tool user groups

View All Answers

**Question - 67:**

Software Test Automation Tool Evaluation Criteria Part 1

**Ans:**

Ease of Use
  * Learning curve
  * Easy to maintain the tool
  * Easy to install--tool may not be used if difficult to install
Tool Customization
  * Can the tool be customized (can fields in tool be added or deleted)?
  * Does the tool support the required test procedure naming convention?
Platform Support
  * Can it be moved and run on several platforms at once, across a network (that is, cross-Windows support, Win95, and WinNT)?
Multiuser Access
  * What database does the tool use? Does it allow for scalability?
  * Network-based test repository--necessary when multiple access to repository is required
Defect Tracking
  * Does the tool come with an integrated defect-tracking feature?
Tool Functionality
  * Test scripting language--does the tool use a flexible, yet robust scripting language? What is the complexity of the scripting language: Is it 4 GL? Does it allow for modular script development?
  * Complexity of scripting language
  * Scripting language allows for variable declaration and use; allows passing of parameters between functions
  * Does the tool use a test script compiler or an interpreter?
  * Interactive test debugging--does the scripting language allow the user to view variable values, step through the code, integrate test procedures, or jump to other external procedures?
  * Does the tool allow recording at the widget level (object recognition level)?
  * Does the tool allow for interfacing with external .dll and .exe files?
  * Published APIs--language interface capabilities
  * ODBC support--does the tool support any ODBC-compliant database?
  * Is the tool intrusive (that is, does source code need to be expanded by inserting additional statements)?
  * Communication protocols--can the tool be adapted to various communication protocols (such as TCP/IP, IPX)?
  * Custom control support--does the tool allow you to map to additional custom controls, so the tool is still compatible and usable?
  * Ability to kick off scripts at a specified time; scripts can run unattended
  * Allows for adding timers
  * Allows for adding comments during recording
  * Compatible with the GUI programming language and entire hardware and software development environment used for application under test (i.e., VB, Powerbuilder)
  * Can query or update test data during playback (that is, allows the use of SQL statements)
  * Supports the creation of a library of reusable function
  * Allows for wrappers (shells) where multiple procedures can be linked together and are called from one procedure
  * Test results analysis--does the tool allow you to easily see whether the tests have passed or failed (that is, automatic creation of test results log)?
  * Test execution on script playback--can the tool handle error recovery and unexpected active windows, log the discrepancy, and continue playback (automatic recovery from errors)?
  * Allows for synchronization between client and server
  * Allows for automatic test procedure generation
  * Allows for automatic data generation
Reporting Capability
  * Ability to provide graphical results (charts and graphs)
  * Ability to provide reports
  * What report writer does the tool use?
  * Can predefined reports be modified and/or can new reports be created?

View All Answers


**Question - 68:**

Explain Web Application Testing Tool Web Form Flooder?

**Ans:**

Web Form Flooder is a Java console utility that analyzes a Web page, completes any forms present on the page with reasonable data, and submits the data. It crawls links within the site in order to identify and flood additional forms that may be present. It is great for load testing of Web forms, checking that all links work and that forms submit correctly.

View All Answers


**Question - 69:**

Explain Web Application Testing Tool Tclwebtest?

**Ans:**

Tclwebtest is a tool for writing automated tests of Web applications in Tcl. It implements some basic HTML parsing functionality to provide comfortable commands for operations on the HTML elements (most importantly forms) of the result pages.

View All Answers


**Question - 70:**

Explain Web Application Testing Tool LogiTest?

**Ans:**

LogiTest is the core application in the LogiTest suite. LogiTest is designed to aid in the testing of Web site functionality. It currently supports HTTP and HTTPS protocols, GET and POST methods, multiple document views, custom headers, and more. The LogiTest application provides a simple graphical user interface for creating and playing back tests for testing Internet-based applications.

**Question - 71:**

Explain Web Application Testing Tool The Grinder?

**Ans:**

The Grinder, a Java load testing framework freely available under a BSD-style Open Source license, makes it easy to orchestrate the activities of a test script in many processes across many machines, using a graphical console application. Test scripts make use of client code embodied in Java plugins. Most users of The Grinder do not write plugins themselves; they use one of the supplied plugins. The Grinder comes with a mature plugin for testing HTTP services, as well as a tool which allows HTTP scripts to be automatically recorded.

**Question - 72:**

Explain Web Application Testing Tool jWebUnit?

**Ans:**

jWebUnit is a Java framework which facilitates creation of acceptance tests for Web applications. It provides a high-level API for navigating a Web application combined with a set of assertions to verify the application's correctness. This includes navigation via links, form entry and submission, validation of table contents, and other typical business Web application features. It utilizes HttpUnit behind the scenes. The simple navigation methods and ready-to-use assertions allow for more rapid test creation than using only JUnit and HttpUnit.

**Question - 73:**

Explain Java Application Testing Tool QAT?

**Ans:**

QAT was developed to ease the issues encountered by having to perform Quality Assurance tests across a variety of hardware and software combinations. The way to achieve this is to abstract the process of running the test on a machine. So, from a tester's point of view, there is one test suite, which the tester executes, and then gets the results for further analysis. The specifics of the machine on which the test will be run is completely hidden, and is necessary for running the test.

The QAT tool can be divided into two main sections, the Agent, responsible for actually running each test or group of tests, and the Harness, which is responsible for test selection, management, results, and agent co-ordination. It can be accessed via a browser interface if remote access to the harness is required.

First, each test case is written in a platform-independent way in a simple scripting language, very similar to C shell, although it could be implemented as any language you want. All references to platform-specific items are delayed by referring to one or more configuration files. A configuration is then built for each test based on the architecture and operating system of the target machine. So, instead of directly executing a command within the test, we refer to variables, which will only be defined at the time of running the test.

Once the test case is ready, the test is transferred to whatever machine we want to run it on (agent). This is achieved by developing a relatively stupid agent that can respond to a limited set of requests from the harness via TCP sockets. Some examples are GETFILE, SENDFILE, DELFILE, EXECUTE, etc. The test script running on the harness may then use this command set to build a desired environment on the agent. We are able to transfer files, unzip files, delete files, set environment variables, and any of the other good things we need to run a test. Once the test is run, a result is decided on and sent back to the harness for processing.

Since the agent is written in Java, it runs on any architecture supporting a JVM, including restricted ones running pJava, kJava, and various other slimmed-down versions.

**Question - 74:**

Explain Java Application Testing Tool Marathon?

**Ans:**

Marathon is a general-purpose tool for both running and authoring acceptance tests geared at the Java Platform Version 1.3 or later. Included with marathon is a rich suite of components to help you interact with your application at the User interface Level (GUI). To aid with the regression testing of existing applications, Marathon comes bundled with a recorder to capture events as you use and interact with your application. These events are then converted into a valid Marathon test, which can subsequently be played back.

**Question - 75:**

Explain Java Application Testing Tool The JavaTestâ„¢ harnes?

**Ans:**

The JavaTestâ„¢ harness is a general purpose Open Source Java API for creating Java test software, a fully-featured, flexible, and configurable test harness very well suited for most types of unit testing, especially Technology Compatibility Kit (TCK) test suites. The JavaTest harness is an excellent tool for configuring, sequencing, and running test suites that consist of large numbers of discrete, independent tests. It is especially good at testing APIs and compilers. Originally developed as a test harness to run the JCK test suite, it has since evolved into a general-purpose test platform well suited for use with all TCK test suites.

**Question - 76:**

Explain Java Application Testing Tool Abbot?

**Ans:**

Abbot, a framework for testing Java GUIs. Using simple XML-based scripts, we can launch a GUI, play back arbitrary user actions on it, and examine its state. It also includes a script editor (Costello) that records user actions. The framework may be invoked directly from Java code (JUnit) or accessed without programming through the use of scripts. It is suitable for use both by developers for unit tests and QA for functional testing, especially with JFC swing. This tool has an excellent development team, which constantly updates the software.

**Question - 77:**

Explain Link Checking Tool LinkScan?

**Ans:**

LinkScan - Electronic Software Publishing Co.'s link checker/site mapping tool; capabilities include automated retesting of problem links, randomized order checking; can check for bad links due to specified problems such as server-not-found, unauthorized-access, doc-not-found, relocations, timeouts. Includes capabilities for central management of large multiple intranet/internet sites. Results stored in database, allowing for customizable queries and reports. Validates hyperlinks for all major protocols; HTML syntax error checking. For all UNIX flavors, Windows, Mac. http://www.elsop.com/

View All Answers

**Question - 78:**

Explain Link Checking Tool Alert Linkrunner?

**Ans:**

Alert Linkrunner- Link check tool from Viable Software Alternatives; evaluation version available. For Windows. http://www.alertbookmarks.com/

View All Answers

**Question - 79:**

Explain Link Checking Tool Xenus Link Sleuth?

**Ans:**

Xenu's Link Sleuth - Freeware link checker by Tilman Hausherr; supports SSL websites; partial testing of ftp and gopher sites; detects and reports redirected URL; Site Map; for Windows. http://home.snafu.de/tilman/xenulink.html

View All Answers

**Question - 80:**

Explain Link Checking Tool Web Link Validator?

**Ans:**

Web Link Validator - Link checker from REL Software checks links for accuracy and availability, finds broken links or paths and links with syntactic errors. Export to text, HTML, CSV, RTF, Excel. Freeware 'REL Link Checker Lite' version available for small sites. For Windows. http://www.relsoftware.com/

View All Answers

**Question - 81:**

Explain Link Checking Tool ChangeAgent Link?

**Ans:**

ChangeAgent Link  checking and repair tool from Expandable Language. Identifies orphan files and broken links when browsing files; employs a simple, familiar interface for managing files; previews files when fixing broken links and before orphan removal; updates links to moved and renamed files; fixes broken links with an easy, 3-click process; provides multiple-level undo/redo for all operations; replaces links but does not reformat or restructure HTML code. For Windows. http://www.xlanguage.com/

View All Answers

**Question - 82:**

Explain Link Checking Tool SiteAnalysis?

**Ans:**

SiteAnalysis - Hosted service from Webmetrics, used to test and validate critical website components, such as internal and external links, domain names, DNS servers and SSL certificates. Runs as often as every hour, or as infrequent as once a week. Ideal for dynamic sites requiring frequent link checking. http://www.webmetrics.com/

View All Answers

**Question - 83:**

Software Test Tool XRC-X REMOTE CONTROL?

**Ans:**

Kind of Tool
X user emulator for testing, demonstration, and performance.
Organization
Absol-Puter
http://www.absol.com/
Software Description
Xrc is a record and playback user emulator used for a variety of testing and demonstration purposes. Xrc runs on any X workstation with the XTrap or Record extensions to achieve true event-driven synchronization (perfect for measuring interactive response time performance). We sell complete source code for ultimate extensibility, and our users don't pay for or get a lot of marketting hype. Xrc has been around for about as long as XTrap, 5 years. We also sell technical consulting services to solve problems with a customized user emulation solution.
Platforms
DECstation (ULTRIX, OSF/1) and other DEC platforms. Source code available for any X workstation platform. Sun Sparc and Linux binary versions also available.

View All Answers

**Question - 84:**

Explain Software Test Tool WINRUNNER?

**Ans:**

Kind of Tool
Automated GUI client testing tool
Organization
Mercury Interactive
http://www.mercuryinteractive.com/
Software Description
Automated Testing Tool for MS Windows applications
Platforms
MS Windows, Windows NT and OS/2 support for mainframe applications using 3270/5250 terminal emulators, SQLWindows applications and PowerRunner for Powerbuilder applications

**View All Answers**

### Question - 85:

Explain Software Test Tool WEBKING?

**Ans:**

Kind of Tool
A comprehensive development and testing tool designed specially for dynamic Web site developers and testers.
Organization
ParaSoft Corporation
http://www.parasoft.com/

**View All Answers**

### Question - 86:

Explain Software Test Tool VISUAL TEST?

**Ans:**

Kind of Tool
GUI Test Drivers and Capture/Replay Tools
Organization
IBM Rational Software
http://www.rational.com/
Software Description
Rational Visual Test is an automated testing tool that makes it easier and cost-effective for organizations to deploy mission-critical applications for the Microsoft Windows 95 and Windows NT operating systems and for the Web. Rational Visual Test helps developers rapidly create tests for applications of virtually any size and created with any development tool. Visual Test is integrated with Microsoft Developer Studio, a desktop development environment, and has extensive integration with Microsoft Visual C++.
Platforms
Microsoft Windows 3.1x, Windows for Workgroups 3.11, Windows 95 and Windows NT

**View All Answers**

### Question - 87:

Explain Software Test Tool VERMONT HIGHTEST PLUS?

**Ans:**

Kind of Tool
GUI Testing Tool
Organization
Vermont Creative Software
http://www.vtsoft.com/
Software Description
Vermont HighTest Plus is designed to test Windows, Web applications and websites through its capture/replay engine. Designed to be easy to use, its powerful scripting language allows even novice users to create sophisticated tests within minutes of installation. Tests can be edited, combined into suites with the integrated suite manager and exported for storing in your version control system. Screenshots can be masked to remove unwanted portions from the comparisons. Testing web applications is as simple as testing a Windows application with its integration into Internet Explorer.
Platforms
Windows 95 - XP

**View All Answers**

### Question - 88:

Explain Software Test Tool TRECORDER?

**Ans:**

Kind of Tool
Record and play back tool for mouse and keyboard events (freeware)
Organization
Cyamon Software
http://www.cyamon.com/recorder.html
Software Description
TRecorder is a class that allows to record and play back mouse and keyboard events. TRecorder is a freeware and you can use it freely in your own application, at your own risks however!
Platforms
Not documented

**View All Answers**

### Question - 89:

Explain Software Test Tool TESTQUEST PRO TEST AUTOMATION SYSTEM?

**Ans:**

Kind of Tool
Automated Software Test Tool
Organization
TestQuest, Inc.
http://www.testquest.com/
Software Description
TestQuest provides non-intrusive test automation tools and services for information appliances, general computing, handheld devices and industrial control. Our products, services and expertise enable you to easily automate the testing of your complex products resulting in decreased test cycle time and increased product quality and customer satisfaction.
Platforms
The software under test may be executing under any operating system. The TestQuest Pro runs on MS Windows 2000

View All Answers

**Question - 90:**

Explain Software Test Tool TESTER?

**Ans:**

Kind of Tool
User interface testing tool (freeware)
Organization
MSDN Magazine
http://msdn.microsoft.com/msdnmag/issues/02/03/Bugslayer/
Software Description
A complete user interface testing tool that will help you automate everything from thick client apps to Web front ends running in Microsoft? Internet Explorer to Windows? Forms-based Microsoft .NET applications.
Platforms
Windows

View All Answers

**Question - 91:**

Explain Software Test Tool TTESTARCHITECT?

**Ans:**

Kind of Tool
Keyword-driven test automation toolset
Organization
LogiGear Corporation
http://www.logigear.com/products/testarchitect/
Software Description
Keyword-driven software test automation toolset, from the original architect of the keyword framework. Includes automation for Windows, Web and character environments, and can drive your existing library of Winrunner, Silk and Robot scripts. Designed to enhance collaboration among automation engineers, testers, business analysts and managers. Supports small groups and global teams.
Platforms
Windows 98, 2000, XP and XP Pro.

View All Answers

**Question - 92:**

Software Test Tool Junkies?

**Ans:**

TEST NOW
Kind of Tool
Add-on package for Rational Visual Test (freeware)
Organization
Automation Junkies
http://www.automationjunkies.com/tools/vt.shtml
Software Description
The product is an add-on to Rational Visual Test 4.0. It was originally written by STLabs but has been discontinued. Now distributed as a free download (but not supported) by Tom Arnold.
The idea of the product is made up of four parts:
1. It supplies the user with common routines that must always be created when starting a new project with Visual Test. Basically, it's 10,000 lines of code the user doesn't have to write but would have had to otherwise.
2. It supplies the user with a common approach to creating their test cases. All too often people are given Visual Test and told to "automate the testing of the product." Keeping things flexible to make future changes and enhancements easier is difficult to do your first couple of times automating a product. This guides the user to help keep things flexible for future needs by allowing them to incorporate a "framework."
3. A full and heavily commented suite of tests is included. Basically, it's a "real world" test suite that they can tear apart and learn from when creating their own automated tests when using Microsoft Test.
4. A stand-alone utility for not only capturing X-Y coordinates when dealing with "fake" or virtual Windows controls, but to also keep it on an independent system so that moving from one resolution to another will keep coordinate changes to a bare minimum.
The product comes with the source code for most of the routines.
Platforms
Windows

View All Answers

**Question - 93:**

Explain Software Test Tool SQA TESTFOUNDATION FOR PEOPLESOFT?

**Ans:**

Kind of Tool
Functional Testing and Implementation Tool
Organization
IBM Rational Software
http://www.rational.com/products/testfoundation/
Software Description
SQA TestFoundation for PeopleSoft is the first Automated Application Quality (AAQ) solution for PeopleSoft. AAQ products help ensure success in PeopleSoft implementations through predefined methodologies, steps and automatic processes. With SQA TestFoundation for PeopleSoft you can ensure your implementation is successful and save money in the process.
SQA TestFoundation for PeopleSoft contains industry-proven methods for successful implementations, comprehensive requirements lists and their related validation steps, and the leading software solution for automated validation from Rational. Rational is the pioneer in automated testing of PeopleSoft applications and sets the standard for PeopleTools testing, with the industry's first and only object-level integration with PeopleTools.
Platforms
Microsoft Windows NT 3.51, Windows NT 4.0, or Windows 95, and PeopleTools 6 or greater

View All Answers

**Question - 94:**

Explain Software Test Tool SMALLTALK TEST MENTOR?

**Ans:**

Kind of Tool
Automated testing tool for VisualAge for Smalltalk and Cincom's VisualWorks
Organization
SilverMark, Inc.
http://www.silvermark.com/
Software Description
Test Mentor is a premier automated testing framework for Smalltalk. It seamlessly integrates UI record/playback with domain object testing for deep regression testing of your applications. Test Mentor automatically gathers execution and method coverage metrics, and provides analysis tools so you can rapidly measure the health of your project.
Platforms
All platforms supported by VisualAge for Smalltalk and Cincom's VisualWorks

View All Answers

**Question - 95:**

Explain Software Test Tool SAFS (Software Automation Framework Support)?

**Ans:**

Kind of Tool
Provides for the implementation of compatible keyword-driven test automation frameworks (freeware)
Organization
SAS Institute
http://safsdev.sourceforge.net/
Software Description
Software Automation Framework Support provides for the implementation of compatible keyword-driven test automation frameworks. Initially, but not exclusively, for Rational Robot and Mercury Interactive WinRunner.
Long time followers of this framework will recognize we are in the process of renaming this endeavor. Where previously we called the testing framework a "data driven" engine (DDE), we are going to start referencing this as a "keyword driven" engine or "keyword driven" framework. Our engine functionality more accurately matches the industry accepted understanding of a "keyword driven" testing framework--a test framework driven by user-friendly keywords, commands, or instructions.
Distributed under the GNU GPL.
Platforms
Windows

View All Answers

**Question - 96:**

Explain Software Test Tool RATIONAL TEAMTEST?

**Ans:**

Kind of Tool
Automated test tool for Windows client/server applications
Organization
IBM Rational Software
http://www.rational.com/
Software Description
Rational TeamTest is a complete set of functional testing tools, delivering seamlessly integrated functional testing of enterprise-level client/server applications. Built on a scalable, integrated server-based test repository, Rational TeamTest combines leading-edge testing power and comprehensive management tools to set the standard for automated testing of client/server applications.
Platforms
Microsoft Windows Millenium; NT 4.0 SP 5 or 6a; Windows 2000, Windows 98 second edition; or Windows 95 SR2

View All Answers

**Question - 97:**

Explain Software Test Tool QFTESTJUI?

**Ans:**

Kind of Tool
Test automation for Java User Interfaces
Organization
Quality First Software GmbH
http://www.qfs.de/
Software Description
qftestJUI is a tool for the creation, execution and management of automated tests for Java/Swing applications with a graphical user interface (GUI).
Platforms
Windows and all major Unix systems with JDKs from Sun, IBM and Blackdown from 1.1 through 1.4.

View All Answers

### Question - 98:

Explain Software Test Tool QC/REPLAY?

**Ans:**

Kind of Tool
GUI record/replay/scripting language for X applications
Organization
CenterLine Development Systems, Inc.
http://www.centerline.com
Software Description
QC/Replay offers "widget-based" testing of GUI based applications. Testers can record sessions and play them back on a variety of platforms. "Widget-based" rather than bitmap based verification makes test scripts robust: they are unaffected by changes in window size, position, window manager, screen size and color, as well as changes in the application during normal development. QC/Replay uses Tcl for scripting, and supports portable testing across platforms. Platforms
SunOS, Solaris (SPARC and x86), HP-UX, SVR4, UnixWare, Digital UNIX (formerly OSF/1) and AIX.

View All Answers

### Question - 99:

Explain Software Test Tool PURETEST?

**Ans:**

Kind of Tool
Functional regression testing tool (freeware)
Organization
Minq Software
http://www.minq.se/
Software Description
PureTest is primarily targeted for function testing in the earlier phases of a development project. Even though it supports testing a variety of applications, it is especially useful for debugging and snooping of web applications. PureTest includes an HTTP Recorder and Web Crawler which makes it useful for generic verification of HTTP requests and web content checking. The HTTP Recorder simplifies the process of capturing all requests that are exchanged between a browser and the web server. Then use PureTest to replay each request in order to carefully watch the HTTP data that is transferred on the wire (HTTP headers, request parameters, response headers and response content). The Web Crawler is useful to pro-actively verify the consistency of a static web structure. It reports various metrics, broken links and the structure of the crawled web.
Platforms
Windows, Linux, Solaris

View All Answers

### Question - 100:

Explain Software Test Tool PHANTOM?

**Ans:**

Kind of Tool
Windows GUI automation scripting language (freeware)
Organization
Phantom Automated Solutions
http://www.phantomtest.com/
Software Description
The Phantom scripting language is a powerful Windows automation language that allows you to take control of windows and perform functions automatically. Simulate any combination of key strokes and mouse clicks, as well as many built in functions for edits, buttons, menus, lists, and more!
Platforms
Windows

View All Answers

### Question - 101:

Explain Software Test Tool OMSPHERE?

**Ans:**

Kind of Tool
Performs Scriptless GUI Testing and significantly increases regression testing speed.
Organization
OMSPHERE
http://www.omsphere.com/
Software Description
MITS.GUI is a radically different type of test automation tool. It has an intelligent state machine engine that makes real-time decisions for navigating through the GUI portion of an application. It can test thousands of test scenarios without any scripts. It does not use them, does not generate them, and does not require you to maintain them. It allows you to create completely new test scenarios without ever having performed that test before.all without changing the tool, the testware architecture (object names, screen names, etc), or the logic associated with the engine. Testers simply enter test data into a spreadsheet which is used to populate the

objects that appear for the particular test scenario defined.
Platforms
PC/Win95/98/NT / PC/Win 2000

View All Answers

**Question - 102:**

Explain Software Test Tool KD EXECUTOR?

**Ans:**

Kind of Tool
Automatic testing and demonstration tool for Qt applications
Organization
KlarÃ¤lvdalens Datakonsult AB
http://www.klaralvdalens-datakonsult.se/?page=products?=kdexecutor
Software Description
KD Executor is a test program that are tailored for Qt programs. It knows the internals of Qt, and can therefore record more stable scripts compared to general capture/replay tools. Thus a script will continue to work after you have changed the layout a bit, after you have changed the text on a label, and even after you have changed the font size of the application.
Still KD Executor is as simple to use as any capture/replay tool, simply start KD Executor with any Qt program, and a dialog will appear offering you to configure recording and playback features, next for recording simply move your mouse and type on your keyboard to record a script.
Scripts recorded with KD Executor on one of the supported platforms still works when played back on any of the other supported platforms.
Platforms
Windows, Unix (including Linux), Mac OS X

View All Answers

**Question - 103:**

Explain Software Test Tool QARUNTM?

**Ans:**

Kind of Tool
GUI capture, script development test automation tool
Organization
Compuware Corporation
http://www.compuware.com/qacenter
Software Description
QARunTM is an enterprise-wide test script development and execution tool that is part of Compuware's QACenterTM family of application testing products. QARun's automated capabilities improve the productivity of testers, enabling them to efficiently create test scripts, verify tests, and analyze test results. Using QARun, tests can be easily maintained for repeat use.
With Compuware's QACenter, software testers and application developers can now ensure application quality with the first enterprise-wide testing solution that includes client/server automated testing tools, mainframe testing tools, test process management tools and testing services. QACenter consists of client/server automated testing tools as well as Compuware's market-leading mainframe testing products, QAHiperstationTM, for VTAM applications, and QAPlaybackTM, for CICS-based applications.
Platforms
All Windows and character based platforms

View All Answers

**Question - 104:**

Explain Software Test Tool JACARETO?

**Ans:**

Kind of Tool
Capture & replay framework for Java applications and applets (freeware)
Organization
Ludwigsburg University of Education
http://www.ph-ludwigsburg.de/mathematik/personal/spannagel/jacareto/
Software Description
Jacareto is a capture & replay framework for Java applications and applets. It allows you to easily create your own capture & replay tools. Jacareto is very flexible; you can write your own capture modules, replay modules, classes which handle special components, editors, record types, record elements and tests. You can also group record elements together to build high-level structures (qualitative analysis). By extracting data sets from records, quantitative analyses can be performed.
Platforms
Platforms supported by Java

View All Answers

**Question - 105:**

Explain Software Test Tool IBM RATIONAL ROBOT?

**Ans:**

Kind of Tool
Regression and functional testing tool for e-commerce, ERP, and client/server applications
Organization
IBM Rational Software
http://www.rational.com/products/robot/

View All Answers

**Question - 106:**

Explain Software Test Tool EVENTCORDER SUITE?

**Ans:**

Kind of Tool
Sophisticated Windows events recorder/player (freeware)
Organization
CM Software
http://www.volny.cz/eventcorder/eventcorder.htm
Software Description
Eventcorder records and plays back Windows events. Events can be edited and optimized. It uses "Clickviews" - playback can continue safely even when the driven application changed GUI. It will find the right place to click at. The Clickviews can be cloned and clipped to make the search process even more robust. User-defined screenshots can be made during playback - feature that can be used for testing of other application. Command line options are supported so that it can be called from *.bat file or from another application easily. E-Scripter is a scripting tool that makes use of Windows Visual Basic Script. The VBScript functions are extended of functions for playing recorded events (PlayEvents(), PlayString(), PlayText(), etc).
E-Robot is a simple tool for automation of Eventcorder for the users without programming knowledge. The scripts are composed through GUI so that there is no need to learn any syntax rules.
Platforms
Any Windows

View All Answers

**Question - 107:**

Explain Software Test Tool EMOS FRAMEWORK?

**Ans:**

Kind of Tool
Functional testing based on GUI-modeling (freeware)
Organization
EMOS Computer Consulting GmbH
http://groups.yahoo.com/group/EMOS_framework/
Software Description
EMOS Framework is an advanced technique for development of automated regression tests with WinRunner. Through its holistic approach EMOS Framework is suitable for rapid creation of new WinRunner projects. Through its open API and 100% TSL implementation it is well suited for integration into existing WinRunner projects, too.
Platforms
Windows

View All Answers

**Question - 108:**

Explain Software Test Tool E-TESTER?

**Ans:**

Kind of Tool
Automated Regression and Functional Testing Tool for Web Applications(Record/Playback).
Organization
Empirix
http://www.empirix.com/
Software Description
e-Tester, a component of the e-Test Suite, is the state-of-the-art for functional testing of web applications that use HTML, Java or Active-X technologies and is the easiest of all record/playback tools. It features our powerful and intutive Visual Scripts used for building test scripts, a built in Site Spider to quickly map your Web Application, Data Banks allow quick, efficient creation of data-driven automated tests. Visit our website today for a fully functional free trial at http://www.empirix.com
Platforms
Windows NT, 95 and 98

View All Answers

**Question - 109:**

Explain Software Test Tool CITRATEST?

**Ans:**

Kind of Tool
Automated GUI client testing tool
Organization
Tevron, LLC
http://www.tevron.com/
Software Description
CitraTest is the only client side Automated Testing Solution for all Citrix hosted applications. This tool is ideal for latency, functional, and regression testing.
Platforms
Windows NT, Windows 2000, Windows 98, Windows 95, Windows ME

View All Answers

**Question - 110:**

Explain Software Test Tool CAPBAK?

**Ans:**

Kind of Tool
Test Capture/Playback Tool
Organization
Software Research, Inc.
http://www.soft.com/TestWorks/

Software Description
CAPBAK is a test capture/playback system which works as a stand-alone product or as part of the fully integrated TestWorks/Regression multi-platform suite of testing tools. CAPBAK captures all user activities during the testing process using three modes: TrueTime, Character Recognition, and Object Oriented modes. Keystrokes, mouse movements, captured bitmap images, widget/object activity and extracted ASCII characters are captured into a test script. The captured images and characters provide baselines of expected application behavior against which future tests runs are compared. CAPBAK's automatic output synchronization capabilities ensures reliable playback, allowing tests to be run unsupervised as often as required.
Platforms
SPARC SunOS 4.1.3; SPARC Solaris 2.3, 2.4, 2.5, 2.5.1, 2.6; x86 Solaris 2.4, 2.5; RS-6000/AIX 3.2.5, 4.1.2, 4.2; HP-9000/7xx HP-UX 9.05, 10.10; HP-9000/8xx HP-UX 9.04, 10.01, 10.10; x86 SCO/ODT 2.0, 5.0(3.0); SGI Irix 5.3, 6.2; DEC-Alpha OSF1 3.2, 4.0; NCR 3000; SCO/UnixWare 2.1.1; DOS; MS-indows 95/98/NT/2000

View All Answers

### Question - 111:

Explain Software Test Tool AXE?

**Ans:**

Kind of Tool
Automated Testing Framework
Organization
Odin Technology Ltd
http://www.odin.co.uk/
Software Description
Axe leads a new generation of automated software testing products. Axe provides a means to rapidly deploy automated testing systems that can be used by all levels of staff with minimal training. Testers design tests in simple Excel spreadsheets. Axe automatically generates test scripts for all leading GUI test execution tools.
Platforms
Windows and .NET

View All Answers

### Question - 112:

Explain Software Test Tool AUTOTESTER FOR WINDOWS?

**Ans:**

Kind of Tool
GUI Test Driver
Organization
AutoTester Inc.
http://www.autotester.com/
Software Description
AutoTester for Windows is an automated testing solution designed for the creation, execution and documentation of automated tests for Windows 3.x. NT, and 95 applications.
Platforms
Windows 3.X, Windows 95, Windows NT

View All Answers

### Question - 113:

Explain AUTOMX?

**Ans:**

Kind of Tool
Software test automation ActiveX for Delphi 5/6/7
Organization
Vantage View Software
http://www.vantageviewsoftware.com/
Software Description
AutomX(TM), at its core, is an Active X control designed for the development of automated software testing. It can be embedded within a Delphi(TM) 5, 6 or 7 application of the user's design and run on the Windows(R) 95/98/ME/NT4/2000/XP platforms. Presently, it is mostly designed for US Windows(R) environments. The types of instructions within AutomX(TM)are typical of the needs of automated software test developers, with the added benefit of having the Borland(R) development environment available. AutomX(TM) includes more than instructions. It has network distributed testing capability, on line help and two tools for helping the design of test cases. • Over 150 instructions for automated software test development are included in the following categories: Files, Directories, Drives, Network, Logging, INI files, Registry, Environment, System attributes, Interactivity, Keystrokes, Mouse actions, Windows, Screens, Clipboard, Bitmaps, Edit boxes, Combo boxes, List boxes, Check boxes, Radio buttons, Up down controls, and Tab controls. • Distributed testing over a TCP/IP based LAN is easily accomplished.
• There are two tools for working with screen images and windows.
• Logging is in Text or Rich Text Format.
• There are over 150 code examples in the Help file.
Platforms
Windows 95/98/ME/NT4SP3/2000/XP

View All Answers

### Question - 114:

Explain Parasoft?

**Ans:**

Parasoft is the leading provider of innovative solutions that automatically identify and prevent software errors from reoccurring in the development and QA process. For more than 15 years, this privately held company has delivered easy-to-use, scalable and customizable error prevention tools and methodologies through its portfolio of leading brands, including, Jtest, C++test, Insure++ and SOAtest.
Parasoft Website http://www.parasoft.com/
Parasoft Software Test Tools

WebKing - An automated Web application testing product that automates the most critical Web verification practices: static analysis, functional/regression testing, and load testing.

Jtest - An automated Java unit testing and coding standard analysis product. It automatically generates and executes JUnit tests for instant verification, and allows users to extend these tests. In addition, it checks whether code follows over 500 coding standard rules and automatically corrects violations of over 200 rules.

C++test - An automated C/C++unit testing and coding standard analysis product. It automatically generates and executes unit tests for instant verification, and allows users to customize and extend these tests as needed. In addition, it checks whether code follows over 700 coding standard rules

SOAtest - An automated Web services testing product that allows users to verify all aspects of a Web service, from WSDL validation, to unit and functional testing of the client and server, to performance testing. SOA Test addresses key Web services and SOA development issues such as interoperability, security, change management, and scalability.

.TEST - An automated unit testing and coding standard analysis product that tests classes written on the Microsoft .NET Framework without requiring developers to write a single test case or stub.

**View All Answers**

### Question - 115:

Explain Mercury Interactive?

**Ans:**

Mercury is the global leader in Business Technology Optimization (BTO) software and services. Our BTO products and solutions help customers govern and manage IT and optimize application quality, performance, and availability. Mercury enables IT organizations to shift their focus from managing IT projects to optimizing business outcomes. Global 2000 companies and government agencies worldwide rely on Mercury to lower IT costs, reduce risks, and optimize for growth; address strategic IT initiatives; and optimize enterprise application environments like J2EE, .NET, and ERP/CRM.

Mercury has a number of complimentary tools TestDirector being the most integrated one. They have a lot of third party support and test tools are usually compared first against Mercury than the others. Mercury tends to use third party companies to supply professional services support for their tools (e.g. if you require onsite development of test suites).

Mercury Website http://www.mercury.com/

Mercury Interactive Software Test Tools

Mercury TestDirector: allows you to deploy high-quality applications quickly and effectively by providing a consistent, repeatable process for gathering requirements, planning and scheduling tests, analyzing results, and managing defects and issues. TestDirector is a single, Web-based application for all essential aspects of test management - Requirements Management, Test Plan, Test Lab, and Defects Management. You can leverage these core modules either as a standalone solution or integrated within a global Quality Center of Excellence environment.

Mercury QuickTest Professional: provides the industry's best solution for functional test and regression test automation - addressing every major software application and environment. This next-generation automated testing solution deploys the concept of Keyword-driven testing to radically simplify test creation and maintenance. Unique to QuickTest Professional's Keyword-driven approach, test automation experts have full access to the underlying test and object properties, via an integrated scripting and debugging environment that is round-trip synchronized with the Keyword View.

Mercury WinRunner: offers your organization a powerful tool for enterprisewide functional and regression testing. Mercury WinRunner captures, verifies, and replays user interactions automatically, so you can identify defects and ensure that business processes work flawlessly upon deployment and remain reliable. With Mercury WinRunner, your organization gains several advantages, including:

- Reduced testing time by automating repetitive tasks.
- Optimized testing efforts by covering diverse environments with a single testing tool.
- Maximized return on investment through modifying and reusing test scripts as the application evolves.

Mercury Business Process Testing: the industry's first web-based test automation solution, can add real value. It enables non-technical business analysts to build, data-drive, and execute test automation without any programming knowledge. By empowering business analysts and quality automation engineers to collaborate more effectively using a consistent and standardized process, you can:

Improve the productivity of your testing teams.

Detect and diagnose performance problems before system downtime occurs.

Increase the overall quality of your applications.

ActiveTest. Can help ensure the users have a positive experience with a Web site. ActiveTest is a hosted, Web-based testing service that conducts full scale stress testing of your Web site. By emulating the behavior of thousands of customers using your Web application, ActiveTest identifies bottlenecks and capacity constraints before they affect your constomers.

Mercury LoadRunner: prevents costly performance problems in production by detecting bottlenecks before a new system or upgrade is deployed. You can verify that new or upgraded applications will deliver intended business outcomes before go-live, preventing over-spending on hardware and infrastructure. It is the industry-standard load testing solution for predicting system behavior and performance, and the only integrated load testing, tuning, and diagnostics solution in the market today. With LoadRunner web testing software, you can measure end-to-end performance, diagnose application and system bottlenecks, and tune for better performance-all from a single point of control. It supports a wide range of enterprise environments, including Web Services, J2EE, and .NET.

**View All Answers**

### Question - 116:

Explain Compuware?

**Ans:**

Compuware Corporation is a recognized industry leader in enterprise software and IT services that help maximize the value of technology investments. We offer a powerful set of integrated solutions for enterprise IT including IT governance, application development, quality assurance and application service management. Compuware is one of the largest software test tool vendors. It has a turnover in excess of $2 billion and staff of more than 15,000. 9,500 of these are professional services staff with skills covering all the development lifecycle. Compuware does not only supply the tools but will provide staff to initially develop your test suite and handover to internal staff as required.

Compuware's test tool set is second to Rational only on the windows platform (for coverage) but for complete coverage across platforms including mainframe and Unix they are the best. So for the larger company that requires a complete testing solution to cover these platforms it is probably best to start with Compuware as they will offer unit test, database test, mainframe, functional, load, web test, defect tracking and more in their tool set. No other vendor can offer this range.

Compuware Website http://www.compuware.com/

Compuware Software Test Tools

Compuware provides tools for Requirements Management, Risk-based Test Management, Unit, Functional and Load Testing, Test Data Management, and Quality Discipline.

Compuware Application Reliability Solution (CARS) offers a more effective approach. CARS combines our patented methodology with innovative enterprise-wide technologies and certified quality assurance expertise to instill a consistent discipline across development, quality assurance and operations. By following this systematic testing approach, you:

- adhere to a consistent quality assurance process
- deliver the quality metrics required to make a sound go/no go decision
- ensure the most critical of business requirements are met

QACenter Enterprise Edition: Requirements Management Tool. Align testing with business requirements. With QACenter Enterprise Edition you can:

- prioritize testing activities through the assignment of risk

- align test requirements with business goals
- quickly measure progress and effectiveness of test activities
- centrally manage and execute various manual and automated testing assets
- automate the process of entering, tracking and resolving defects found during testing.
Compuware DevPartner: A family of products providing a comprehensive development, debugging and tuning solution to the challenges of application development, from concept to coding to security and finally to completion. DevPartner products cover Microsoft, Javaâ„¢, 64-bit and driver development, helping you improve productivity and increase software reliability-from simple two-tier applications to complex distributed and web-based systems.
Xpediter: Analyze, test and debug mainframe applications. With Xpediter you can:
- Analyze programs and applications
- Test and debug programs interactively
- Understand and control the process of data and logic
- Identify what has executed within an application
- Debug DB2 Stored Procedures
- Test date and time related logic
File-AID: Test data management tool. Help you pull together test data from multiple source to create, move, convert, reformat, subset, and validate your test date bed. The test methodology has helped organizations test more efficiently and effectively.

### Question - 117:

Explain OpenSTA?

#### Ans:

OpenSTA is a distributed software testing architecture designed around CORBA, it was originally developed to be commercial software by CYRANO. The current toolset has the capability of performing scripted HTTP and HTTPS heavy load tests with performance measurements from Win32 platforms. However, the architectural design means it could be capable of much more.
OpenSTA Website http://www.opensta.org/
The OpenSTA toolset is Open Source software licensed under the GNU GPL (General Public License), this means it is free and will always remain free.

### Question - 118:

Explain WinPerl?

#### Ans:

winperl.com is a small company with a simple nice product called WinPerl++/GUIdo.
WinPerl Website http://www.winperl.com/
winperl.com Software Test Tools
WinPerl++/GUIdo - A suite of tools written to solve the need for a Windows UI automation tool with an easy to learn and use scripting language. For this reason, the Perl programming language was chosen. Winperl is a collection of windows dll's, Perl modules, developer UI and related tools which make its use in various environments possible. The WinPerl++ a.k.a GUIdo tool suite is ideal for the following purposes:
- Windows UI application automation.
- Corporate SQA application test efforts.
- Ideal for automating repetitive tasks.
- IT functions to eliminate human interaction.

### Question - 119:

Explain Facilita?

#### Ans:

Forecast by Facilita is mainly used for performance testing but functionally it is as strong as the other performance tools and the cost saving is usually at least 50% less.
Facilita Website http://www.facilita.com/
Facilita Software Test Tools
forecast - The Load and Performance Test Tool. A non-intrusive tool for system load testing, performance measurement and multi-user functional testing. Load test your enterprise infrastructure by simulating thousands of users performing realistic user actions.

### Question - 120:

Explain AccordSQA?

#### Ans:

Leading the revolution in business process optimization through true-automation in quality assurance. Break through the programming wall with next-generation test automation technology and accelerate your Time-to-Qualityâ„¢.
AccordSQA Website http://www.accordsqa.com/
AccordSQA Software Test Tools
SmarteScript - First functional and regression testing tool built on next-generation technology. Powered by the patent pending Grid-Visualization Engineâ„¢, SmarteScript empowers the AccordSQA user with the ability to incorporate the business logic of their application directly into the testing process through Smarte Process Optimizationâ„¢ - the true test of software quality and performance. The result is the highest level of quality assurance for the most complex of software applications. Simply comprehensive testing.

### Question - 121:

Explain Seapine Software?

#### Ans:

Seapine's software development and testing tools streamline your development process, saving you significant time and money. Enjoy feature-rich tools that are

flexible enough to work in any software development environment. With Seapine integrated tools, every step in the development process feeds critical information into the next step, letting you focus on developing high quality software in less time.

Seapine Website http://www.seapine.com/

Seapine Software Software Test Tools

QA Wizard - Incorporating a user friendly interface with integrated data and a robust scripting engine. It adapts easily to new and evolving technologies and can be mastered in a short period of time. The result--you deliver higher quality software faster.

**View All Answers**


**Question - 122:**

Explain ANDROID?

**Ans:**

Kind of Tool

Automated GUI Client Testing Tool (freeware)

Organization

Smith House

http://www.smith-house.org/open.html

Software Description

Android is an open-source GUI testing tool that can observe and record your interactions with a graphical user interface, creating a script that can repeat the session to any desired level of accuracy. The user can specify test points where the designated window is to be checked to see if it differs from the "canonical" test run originally recorded, signalling a test failure if this is the case. It can also be used to write GUI automation scripts.

Platforms

Record mode requires Expect. Playback or scripting will work on any Posix-compliant system with a working port of Tcl/Tk.

**View All Answers**

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