AppPerfect Load Test

Overview

AppPerfect Load Test is a Fully Automated Web **Load test, Stress test** and **Performance Test solution** that is easy to use and cost effective. Most application performance and stability issues arise only when the server is stressed with a high user load. AppPerfect Web Load Test helps you design and simulate thousands of users in a realistic manner which can be used to load test your application infrastructure for performance, reliability and scalability.

AppPerfect Load Test is designed to answer vital questions such as:
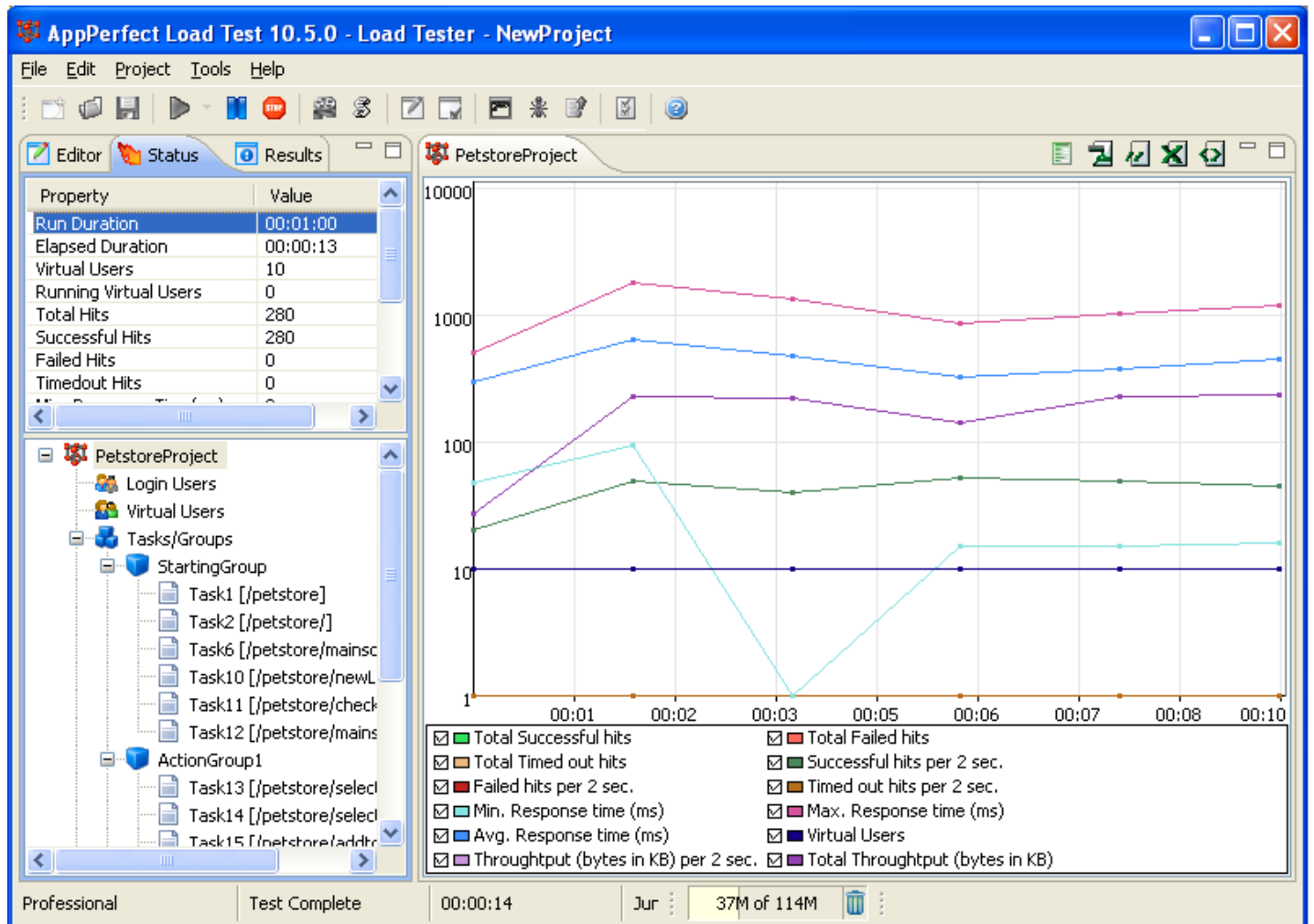
- Do you know the number of concurrent users/requests your application can support ?

- Is your current infrastructure sufficient to meet your user demand ?

- Will your application scale as more users access it ?

- How does your application's response time change as number of users increase ?

- Does your Web application perform the same after 96 hours of deployment as it did after 4 hours ?

AppPerfect Load Test can help you identify a variety of problems before you go into production:

- Software design issues (incorrect concurrency/pooling mechanism, poor optimization, memory build-up, etc.)

- Server configuration issues (Web server, application server, database server, load balancer, etc.)

- Hardware limitation issues (Excessive disk I/O, CPU maximization, memory limitations, network bottleneck, etc.)

AppPerfect Load/Performance Tester is easy to use with no programming required. It provides a unique view of the target machine with integrated load testing, stress testing and performance testing parameters such as response time and hit count along with monitoring of system resources such as CPU, disk, network and memory.

Screenshot

Key Features

- **Browser recording:** Recording a test with AppPerfect Load Test is as easy as browsing your application. AppPerfect recorder automatically records all the tasks you perform with your web application. There is no need to learn any proprietary scripting language. All web browsers are supported for recording, including Internet Explorer, Netscape, Mozilla, Firefox and Safari.

- **GUI based editing of tests:** AppPerfect Load Test provides user friendly UI which is easy to use and allows you to edit your existing load test as well as add new URLs and parameters to the load test. You can quickly modify your load tests and easily build on the Test Cases as and when additional functionality is added to your products

- **Parameterized Load Tests:** In real world scenario, for any Web-based application, the pages that are requested are not all static. In fact, most of the pages accept some parameters as input and then correspondingly show the appropriate customized content. Parameterized load tests feed these parameters automatically to the request and thus help simulate a more realistic usage environment.

- **Response Validation:** With AppPerfect Web Load/Performance Tester, You can validate the responses received for a URL request with the AppPerfect Load Tester. You can customize what constitutes a valid or invalid response for an URL request. Response codes can be included to constitute valid or erroneous responses.

- **Multiple run strategies:** AppPerfect Web Load/Performance Tester supports five different types of strategies, that help you determine the breaking point of your application, and how it recovers after being stressed to some level. Each of the strategies determines how the requests are fired and what is the load applied on the server being tested.

- **Distributed Load Testing:** You can distribute load generation on multiple machines and can control all of them from one central machine. At the end of the test, AppPerfect will aggregate and present test result of the entire test as well as for individual machines.

- **Database Load Tests support:** In addition to supporting Web application load testing, AppPerfect also supports load testing for most databases using JDBC.

- **Support for Web security:** AppPerfect Load Test you can Load test URLs that require basic authentication, as well as those using HTTPS by allowing the configuration of the SSL Provider. It also handles the sending of cookies with the appropriate requests and supports URL rewriting if your application uses it. Two way SSL authentication is also supported.

- **Scripting Support:** Advanced users can use JavaScript to add sophisticated logic to their test. A full-features script editor with syntax highlighting is provided.

- **Advanced Technology:** Support for advanced technologies such as Browser Simulation, Network bandwidth throttling and IP Spoofing.

- **Informative and User friendly reports:** AppPerfect Load Test provides comprehensive reports that help you identify failure points of the load test. These reports can be viewed in the UI or exported to HTML, PDF CSV, XLS, XML etc.

- **Scheduling & Notification:** You can automate your testing by scheduling them using the AppPerfect Test Manager product. You can also use the Notifications manager module of the AppPerfect Test Manager product to send an email, SMS or file notification when a test is complete.

- **System Monitoring:** AppPerfect can monitor your target applications and servers using a sophisticated agentless monitoring architecture so you can co-relate your results with your server behavior. Monitor key system resources such as CPU, disk, network

and memory.

Online Demos

- Creating New Test
- Recording Test
- Editing Test
- Replaying Test
- Testing Web Application

Tutorials

- Load Testing a Web application/Server
- Distributed Load Testing
- Parameterizing a Load Test
- Validating a Load Test
- Monitoring Server during Load Testing
- How dynamic parameters are handled?
- Ajax application Load Testing
- Flash application Load Testing
- Load Testing Java API
- Load Testing a SOAP WebService

Supported Products

- OS : Windows 2000/XP/2003/Vista, Linux x86, Mac OS X
- Web support : Web applications based on J2EE/JSP, .NET, ASP, PHP, AJAX, Flash, CGI and many other Web technologies are supported

AppPerfect Web Testing Services

AppPerfect is more than just your software provider. We can help you implement them. Our team of highly trained experts can shorten implementation time and provide fast results. Our services include:

- "Start Pack": Initial setup and training
- Test Design: Build tests to achieve your functional objectives
- Results Analysis: Analyze results and recommend actions
- Test Automation: Automate tests so they become part of your development process
- Custom enhancements: Extend any AppPerfect product with your needs

Please visit our **Professional Services** center for more details

Licensing & Download

The full free professional version of the AppPerfect Load Test can be downloaded from our **Download Center**.

AppPerfect Load Test is free for internal use. AppPerfect licensing is designed for free usage for most usage scenario, except for embedding, re-distribution and use in hosted services or providing services to other companies. In case you need further help to get started you can purchase 1-Day training session where one of our professional will help you take through the product. For annual technical support / upgrades, maintenance and professional Services, Please visit **AppPerfect Sales Center**