# External references

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## 1 Related Software Projects

| | | |
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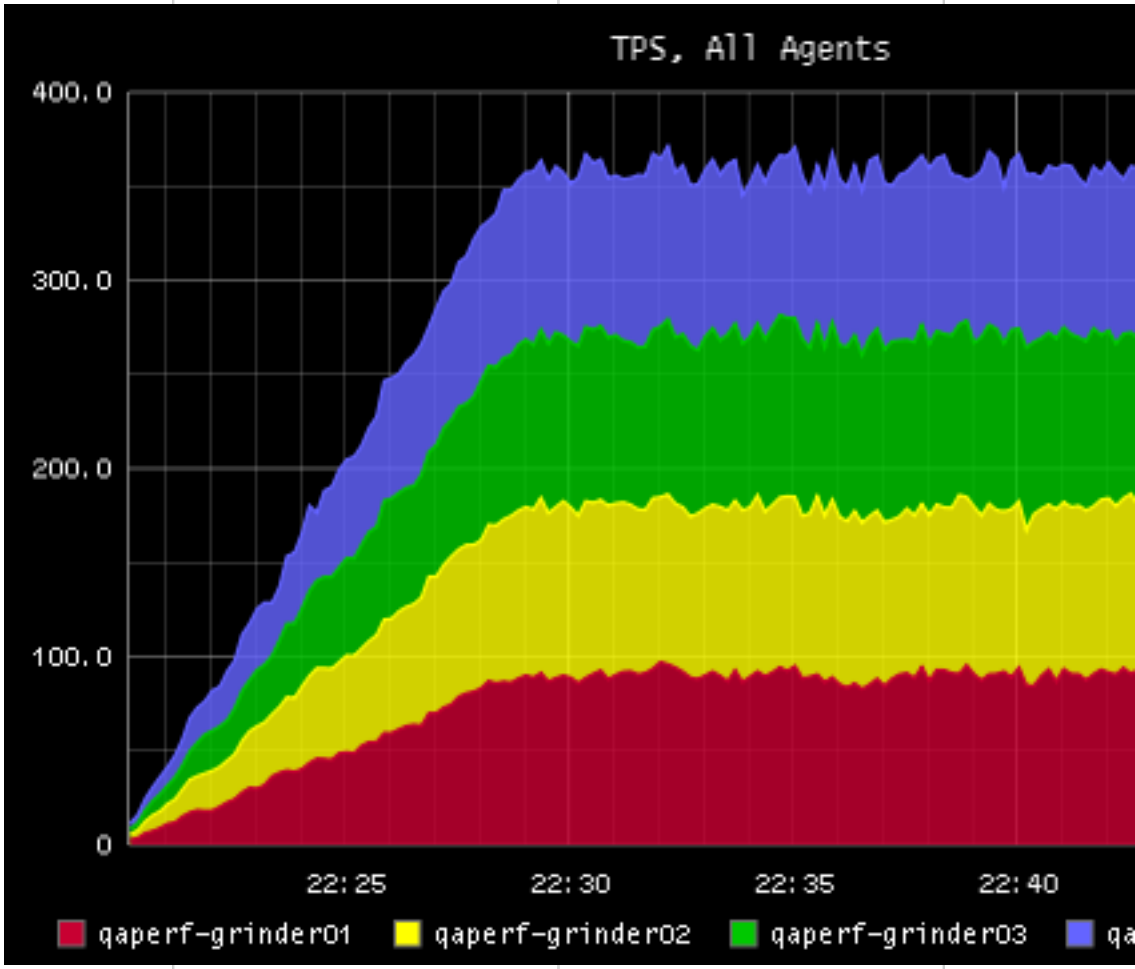
| Another Groovy script engine ( http://www.cubrid.org/wiki_ngrinder/entry/groovy-script) | | A second Groovy script engine from the nGrinder ( http://www.nhnopensource.org/ngrinder) team. |
| Grinder to Graphite ( http://grinder-to-graphite.readthedocs.org/en/latest/) | | Grinder to Graphite (g2g) is a tool that analyzes the logs from your Grinder tests, and sends the data into Graphite where it can be visualized in a variety of ways. |
| grinder-groovy ( https://github.com/DealerDotCom/grinder-groovy) | | Alternative script engine for The Grinder: write your test scripts in Groovy. |
| Grinder maven plugin ( http://code.google.com/p/grinder-maven-plugin) | | A Maven Plugin for The Grinder, with Grinder Analyzer integration. The plugin allows you to run The Grinder from a Maven build, and analyse the results. |
| nGrinder ( http://www.nhnopensource.org/ngrinder) | | A web based testing framework built on top of The Grinder. The demo video is particularly slick. |

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| Grinder Webtest ( http://www.automation-excellence.com/software/grinder-webtest) | | This custom module allows execution of Visual Studio *webtest* files. It supports parameterization, capturing of variables in HTTP responses, and response validation using regular expressions. Test scripts may be logically grouped into test sets, allowing them to share variables and captured values. Test sets can be run sequentially, randomly, in a specific thread, or according to a percentage-based weighting. A correlating test runner is also provided, making it easier for you to find and capture values in your HTTP responses. We have successfully used this module to run load tests of more than 300 virtual users, with a scenario involving 21 different webtest scripts recorded in Fiddler. |
| HTTP Quality Assurance Toolkit ( http://http-qat.sf.net) | | HTTP functional and non-functional (load and performance) toolkit based on jython/grinder (http://grinder.sf.net) ...includes capabilities to support: SOA services, REST, json/xml encoding, AES and WS security ... and a stub to collect requests. |
| The Grinder Agent Installer ( http://clinker.klicap.es/projects/demeter) | | The Grinder Agent Installer is useful when you want to execute load tests in a heterogeneous context, and to simulate real users accessing the target application through a firewall, 3G, VPN, direct (router) and from different locales, where you haven't access to all this computers for run the agent.<br>It provides an installer any user can install and execute with only click next and provisioning some data in a graphic environment. You only have to wait the connections in the console. |
| Grinder In The Cloud ( http://developer.amazonwebservices.com connect/entry.jspa?externalID=2055&categoryID=101 | | Grinder in the Cloud leverages the well known Grinder load test framework by putting it in the cloud. It offers an easy to use load test framework with virtually unlimited firepower at a competitive price. This Windows |

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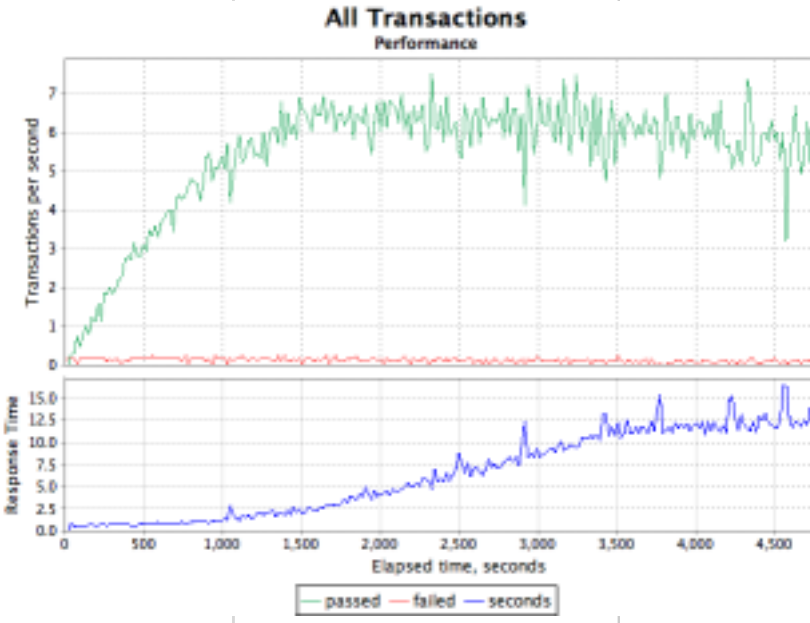
| | | based AMI starts the Grinder console. It starts Grinder agent AMIs to generate the load. The Agents automatically connect to the console. Built by Jörg Kalsbach. |
| Grinder Plugin for Hudson ( http://hudson.gotdns.com/wiki/display/HUDSON/Grinder+Plugin) | | This plug-in reads output result files from performance tests run with The Grinder, and will generate reports showing test results for every build and trend reports showing performance results across builds. |
| Ground Report ( http://ground.sourceforge.net) | | The Ground Report is a collection of reporting utilities specific to The Grinder test tool. The tools consist of a reporting database and graphing & report utilities based upon jyplot, jFreechart and DocBook written in Jython. |
| Grinder Analyzer ( http://track.sourceforge.net/) | | Grinder Analyzer is a tool that parses log data from The Grinder and generates client-side performance graphs. These graphs include response time, transactions per second, and network bandwidth used. Like The Grinder itself, Grinder Analyzer uses Jython, and the excellent JFreechart graphing library. |
| webFlange ( http://webflange.sourceforge.net/) | | webFlange is a continuous load testing web application written in Java. It leverages The Grinder for running tests, automatically |

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| | | creates reports and allows the creation of charts from the test results. |
| GrinderStone ( http://code.google.com/p/grinderstone/) | | GrinderStone is an Eclipse plug-in for Grinder load testing scripts development (debugger for scripts is included). |

## 2 Articles

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| The Agile Grind ( http://agilegrind.blogspot.co.uk/) | Gary Mulder's blog on using The Grinder. |
| Black Anvil: Visualizing Grinder Data With Other External Metrics ( http://blackanvil.blogspot.com/2011/12/integrating-grinder-performance-data.html) | Using Graphite to visualise the test results. |
| Rough Book ( http://vivin.net/tag/the-grinder/) | A series of in-depth blog entries that introduce The Grinder and present a rich framework for scripts. |
| PerformanceEngineer.com: Introduction To The Grinder ( http://www.performanceengineer.com/blog/introduction-to-the-grinder/) | An introductory blog entry showing how to set up The Grinder with GrinderStone ( http://code.google.com/p/grinderstone/) . |
| PC Pro article ( http://www.pcpro.co.uk/features/230550/technology-you-can-bet-on/page3.html) | "Technology you can bet on" - Paddy Power uses The Grinder. |
| InfoQ News ( http://www.infoq.com/news/2008/02/the-grinder-3) | Alexander Olaru interviews Philip Aston for InfoQ. |
| Pure Danger Tech: The Grinder 3.0 Released ( http://tech.puredanger.com/2008/01/25/the-grinder-30-released/) | Alex Miller says some very nice things about The Grinder.<br>*"...I was really pleasantly surprised by everything that I found. The Grinder has a fairly clean aesthetic that is hard to quantify but makes getting started a pleasant experience. What I found the most enjoyable about it was the use of Jython to script the actual test activity.*<br>*...It is trivial to start up the console and your agents, then have very fast modify / run cycles as nothing needs to be restarted. You just modify the test in your editor and hit play on the console. This allows you to very rapidly whip your test into shape. Kind of reminds me of Rails..."* |
| The Black Anvil: Shootout: Load Runner vs The Grinder vs Apache JMeter ( http://blackanvil.blogspot.com/2006/06/shootout-load-runner-vs-grinder-vs.html#links) | Detailed comparison of The Grinder, JMeter, and Load Runner from Travis Bear.<br>*"...I recommended The Grinder as the tool to go forward with. It has a simple, clean UI that clearly shows what is going on without trying to do too much, and offers great power and simplicity with its unique Jython-based scripting approach. Jython allows complex scripts to be developed much more rapidly than in more formal languages like Java, yet it can access any* |

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| | *Java library or class easily, allowing us to re-use elements of our existing work."*<br>Travis has since assisted with the implementation of slow socket support for The Grinder. |
| Performance Testing using The Grinder ( http://cdjdn.com/downloads/performancetesting-grinder.pdf) | A high-level overview of test methodology using The Grinder from Paul Evans/Blue Slate Solutions. Hosted by the Capital District Java Developers Network. |
| Grinder Test Automation for the WebLogic Server ( http://www.anser-e.com/testing/GrinderAutomationTutorial.html) | An custom automated test environment for WebLogic built on The Grinder. |
| Gash: Load Testing Java Applications ( http://gashalot.com/writing/blog-grinder.php) | Replacing JMeter with The Grinder 3<br>*"I went from a freshly downloaded tarball to fully functional test environment in about 2.5 hours. That's powerful."* |
| WikiWikiWeb ( http://c2.com/cgi/wiki/wiki?TheGrinder) | Entry on the Wiki of Wiki's. |
| Stress Testing with The Grinder and Cactus ( http://www.abcseo.com/papers/grinder.htm) | Using The Grinder 2's JUnit plug-in with Cactus. |
| The Grinder: Load Testing for Everyone ( http://dev2dev.bea.com/articles/aston.jsp) | An introductory article on The Grinder 2 from Phil Aston. |
| Anticlue ( http://www.anticlue.net/archives/000395.htm) | Blog entry on The Grinder 3. |
| Load Testing Web Services with Grinder ( http://www.oreillynet.com/pub/wlg/6743) | An article on testing Web Services with The Grinder 3. |
| Massive Propeller: The Grinder ( http://www.massivepropeller.com/users/austin/blogs/whatsnew/archive/000043.html) | Blog entry on The Grinder 2. |
| Mr Worm's GonePage: The Grinder ( http://82.133.140.67/MrWorm/35) | Blog entry on The Grinder. |
| Dan Moore!: The Grinder ( http://www.mooreds.com/weblog/archives/000111.html) | Blog entry on The Grinder 3. |

## 3 Commercials

This section contains links to commercial products and services related to The Grinder. You should not assume any relationship other than those documented below between the listed individuals and companies and The Grinder project. If you have a product or service related to The Grinder and would like to add information to this page, please email details to grinder-use ( mailto:grinder-use@lists.sourceforge.net) .

### 3.1 Synoty

Performance has become a critical part of product development these days. The need for speed is here, users expect faster and responsive applications. At Synoty we realized a consolidated performance service which enables our customers to provide great applications to their users is needed.

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Synoty is an application performance consulting service with a difference. Our service provides our customers with cloud based or inside firewall load and performance testing, user experience testing and performance engineering such as application code, database and operating system performance analysis and tuning.

We also included tools and software needed for performance analysis and an amazing performance portal to bring it all in one place. The Grinder is our load generator in the cloud.

To learn how we can help you with performance please visit us at www.synoty.com ( http://www.synoty.com) .

### 3.2 Perfmetrix

Perfmetrix is a global group of highly skilled and experienced system architects and performance experts ready to assist you with a comprehensive range of services to create or improve software applications that meet or exceed your business needs. We have presence in the United States, Europe, the Middle East, Africa and Latin America.

Perfmetrix is led by Peter Zadrozny, who was the Chief Technologist of BEA Systems for Europe, Middle East and Africa, a role he had since he started the operations of WebLogic in Europe (prior to the BEA acquisition).

Peter is the author of J2EE Performance Testing ( links.html#book) (Expert Press, 2002), coauthor of "Professional J2EE Programming with BEA WebLogic Server" (WroxPress, 2000) and "Beginning EJB 3 Application Development" (Apress 2006). He is the founding editor of the WebLogic Developer's Journal, and a frequent speaker on technology issues around the world. Peter was also part of the team that created The Grinder.

Peter Zadrozny, Perfmetrix ( http://www.perfmetrix.com)

### 3.3 Anser Enterprise

One of my consulting services is helping performance analysts to set up company-internal blogs on their performance activities to help them communicate better with their developers and management. As part of my consulting service I can offer usage and customization tips on The Grinder and a separate data visualization tool to show Grinder test results on their company's intranet. Much of this is in the area of test automation and mining test results.

Here's a link ( http://www.anser-e.com/run6/Run6a.html) which provides several example web pages on communicating WebLogic 8.1/Grinder testing results. It requires downloading the Java 1.5 plug-in for charting Grinder test results.

Todd Nichols, Anser Enterprise ( http://www.anser-e.com/)

### 3.4 TestPros

TestPros provides load testing and performance tuning services using Grinder. We can provide our services in one or a combination of three ways - remotely via our Internet server farm, at our test labs, or at our customer's location.

For more information:

- 1-877-783-7855
- info@TestPros.com ( mailto:info@TestPros.com)

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- www.TestPros.com ( http://www.TestPros.com/)

### 3.5 swtest-discuss

I run a mailing list for software testers called swtest-discuss ( http://lists.topica.com/lists/swtest-discuss/) . There are a few people there (including me) who are interested in talking about how people do testing for open source projects. I haven't yet found a community of open source testers that cuts across multiple tools/applications.

If you're interested in sharing your experiences in testing open source software, please consider joining swtest-discuss, at least long enough to see if there's any interest in having an on-going forum on this topic. If you do subscribe, please either send me a private email or introduce yourself to the list so we know you're there.

Danny R. Faught, Tejas Software Consulting ( http://tejasconsulting.com/)

### 3.6 J2EE Performance Testing

I'm pleased to announce the availability of *J2EE Performance Testing with BEA WebLogic Server ( http://www.amazon.com/exec/obidos/tg/detail/-/159059181X/qid=1064753861/sr=1-1/ref=sr_1_1/002-5481898-2224815)* by Peter Zadrozny, Philip Aston and Ted Osborne, originally published by Expert Press and now by APress.

This book uses The Grinder 2 throughout, and indeed was responsible for driving the development of many of The Grinder's features. The book shows how to performance test complete J2EE applications and how to explore key performance issues surrounding the most popular J2EE APIs. The performance tests are carried out using BEA WebLogic Server™, but are generally applicable to any J2EE application server.

Most importantly, the book contains in-depth coverage of The Grinder 2 including a full user guide and case studies showing how to apply The Grinder to real world problems. The testing approach is equally applicable when using The Grinder 3.

Following several requests, I've made the source code for the book available from The Grinder SourceForge page ( https://www.sourceforge.net/projects/grinder) . This source is supplied unsupported and with no warranty.

Philip Aston

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