

Wikiprint Book

Title: Latest JPF News

Subject: Java Path Finder - WikiStart

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Latest JPF News

09/20/2010	<u>ASE 2010 Tutorial on Automated Component-Based Verification</u>
08/02/2010	summer project presentations set for 08/13/2010 - see <u>summer summit event page</u>
04/29/2010	Selected summer projects announced
02/14/2010	<u>ISSTA 2010 Tutorial on Automated Testing with Java PathFinder</u> announced
02/12/2010	Call for Google Summer of Code 2010 project proposals out - visit <u>our SoC page</u>
01/30/2010	<u>JPF Google group</u> replaces old mailing lists
01/12/2010	<u>Fujitsu press announcement</u> released about using and extending Symbolic PathFinder (<u>projects/jpf-symbc</u>) for comprehensive testing of Java web applications
09/02/2009	JPF server on http://babelfish.arc.nasa.gov/trac/jpf goes live, featuring the JPFWiki and separate Mercurial repositories for JPF core and extension projects
07/22/2009	JPF wins the 2009 "Outstanding Technology Development Award" of the Federal Laboratory Consortium (FLC), Far West Division

Welcome to the JPF Wiki

This is the main page for Java™ Pathfinder, or "**JPF**" as we call it from here. JPF is a highly customizable execution environment for verification of Java™ bytecode programs. The system was developed at the [NASA Ames Research Center](#), open sourced in 2005, and is freely available from this server under the [NOSA 1.3](#) license.

The JPFWiki is our primary source of documentation. It is divided into the following sections (which you will always see in the TOC menu to the right):

[What is JPF?](#) -- a brief introduction into JPF and what sets it part from normal testing

- [software model checking examples](#) (as one possible JPF application)

[How to obtain and install JPF](#) -- everything to get it running on your machine

- [System requirements](#)

- repository access from [shell](#), [Eclipse?](#) or [NetBeans?](#)

- installing the [Eclipse](#) or [NetBeans](#) plugins

[How to use JPF](#) -- essentially the user manual for JPF

- [JPF application types](#) and [runtime components](#)

- [configuring](#) and [running](#) JPF

- [understanding JPF output](#)

- [using the Verify API](#)

[Developer guide](#) -- what's under the hood

- [the toplevel design](#)

- key mechanisms like [ChoiceGenerators](#) and [partial order reduction](#)

- [extension mechanisms?](#) like [Listeners](#), [Search Strategies?](#), [Model Java Interface \(MJI\)](#), [Bytecode Factories](#), [Property checks?](#), [Publishers?](#)

- [running JPF from within your application](#)

- [directory structure?](#) and [coding conventions](#)

- [writing JPF tests](#)

• [Projects](#) -- descriptions of available JPF projects and repositories

• [Related Research and publications](#)

[About](#) -- how are artifacts and work organized

- [About this Wiki](#)

- [About the Development Process?](#)

- [About the source repositories?](#)

- [How to contribute](#)

- [How to get a JPF contributor account](#)

• [FAQ](#) -- answers to all your questions (eventually)

• [History?](#) -- how did we get here

• [Support](#) -- who supports this project

• [People?](#) -- who does or did contribute

• [News?](#) -- what's going on right now

• [Future Plans?](#) -- where do we want to go

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