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Note that JPF is not hosted by this server anymore, and it is now maintained by the JPF community at Github. JPF documentation can be found at JPF Wiki

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Latest JPF News

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<th>Date</th>
<th>News</th>
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<tr>
<td>03/08/2018</td>
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<tr>
<td>05/01/2017</td>
<td>JPF Workshop 2017 will be co-located with ASE 2017 in Champaign, IL. Please consider submitting a paper.</td>
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<td>02/27/2017</td>
<td>JPF got accepted for GSoC 2017. Please visit our ideas page, and let us know if you have a topic in mind.</td>
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</table>
19/01/2017  The JPF team is applying to the GSoC program for 2017. To learn more, please visit the JPF/GSoC page.

06/01/2016  JPF Workshop 2016 will be co-located with FSE 2016 in Seattle, WA, on November 18, 2016. Please consider submitting a paper.

04/22/2016  JPF student proposals accepted for GSoC 2016 announced - Congratulations to the students!

02/29/2016  JPF got accepted for GSoC 2016. Please visit our ideas page, and let us know if you would like to propose a project.

17/08/2015  JPF Workshop 2015 Accepted Papers are announced. Please visit ASE 2015 for registration, date and venue information.

10/03/2014  JPF Workshop 2014 Accepted Papers. Please visit SOAR Lab for registration, date and venue information.

10/01/2013  JPF Workshop 2013 Accepted Papers. Please note JPF Workshop 2013 website is down due to the shutdown, please visit ASE 2013 for registration, date and venue information.

06/20/2013  JPF Workshop 2012 is co-located with ASE 2012. Please submit papers.

05/27/2013  JPF student proposals accepted for GSoC 2013 announced - Congratulations to the students!

04/08/2013  The show is on - JPF got accepted for GSoC 2013. Please visit the GSoC project ideas page or let us know about your own project suggestions.

06/07/2012  JPF Workshop 2012 is co-located with FSE 2012, November 11 and 12. We solicit submissions for the JPF Workshop 2012.

04/23/2012  JPF student proposals accepted for GSoC 2012 announced - Congratulations to the students!

03/26/2012  GSoC Student Applications period is open until April 6. Please submit your proposal at JPF GSoC page.

03/16/2012  JPF has been accepted as mentoring org. for GSoC 2012. Visit our ideas page.

10/14/2011  A hands-on JPF tutorial will be held on Nov 7th at Lawrence, Kansas co-located with ASE 2011.

05/26/2011  JPF Workshop is co-located with ASE 2011, Lawrence, Kansas - Submit papers on your work.

03/25/2011  JPF student proposals accepted for GSoC 2011 announced - Congratulations to the students!

03/18/2011  JPF has been accepted as mentoring org. for GSoC 2011. Visit our ideas page.


08/02/2010  summer project presentations set for 08/13/2010 - see summer summit event page.

04/29/2010  Selected summer projects announced

02/14/2010  ISSTA 2010 Tutorial on Automated Testing with Java PathFinder announced.

02/12/2010  Call for Google Summer of Code 2010 project proposals out - visit our SoC page.
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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