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Latest JPF News

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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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<tr>
<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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<td>19/01/2017</td>
<td>The JPF team is applying to the GSoC program for 2017. To learn more, please visit the JPF/GSoC page.</td>
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<tr>
<td>06/01/2016</td>
<td>JPF Workshop 2016 will be co-located with FSE 2016 in Seattle, WA, on November 18, 2016. Please consider submitting a paper.</td>
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<tr>
<td>04/22/2016</td>
<td>JPF student proposals accepted for GSoC 2016 announced - Congratulations to the students!</td>
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<td>17/08/2015</td>
<td>JPF Workshop 2015 Accepted Papers are announced. Please visit ASE 2015 for registration, date and venue information.</td>
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<td>10/03/2014</td>
<td>JPF Workshop 2014 Accepted Papers. Please visit SOAR Lab for registration, date and venue information.</td>
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<tr>
<td>10/01/2013</td>
<td>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.</td>
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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