

Pharo 10 Status

Pharo Consortium General Assembly

consortium-adm@pharo.org



- Spec 2
- New Tools: new Playground, new Inspector, new Debugger, etc.
- New Composable Completion Framework
- General Speed up
- Compiler Optimisations & Cleanups.
- Better and new Refactorings
- Improved Parser for Error Recognition
- Fluid syntax (composable) class syntax
- Package and class comments in Microdown
- Full Block Closure and Sista Bytecode
- Universal FFI: New fast backend, threaded backend.
- Idle VM: when not working the VM is idle
- SDL2 event and graphics support
- ARM 64 bits and M1 architecture support
- Much more tests: each commit executes 72 000 tests. 3000 new tests around the VM were developed.

Released!!!!

A lot of Improvements



Objectives

- Smaller Iteration
- Simplification
- Tooling
- Modularisation
- General Improvements
- VM Improvements



Smaller Iteration

- Improving the Development process
- Shorter iteration to release
- Reduced Set of Objectives
- Better "Ready" definition



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A result of a big introspection



Simplification

- Removing duplicated / obsolete code
 - Old Tools
 - V3 Compiler Support
 - Old Blocks & Bytecode
 - VM based event handling

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Simplification

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 - Old Tools
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 - Spec V1

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Keeping a good single one



Tooling

- Migrating final tools to Spec
- Improving existing ones
- Fixing issues and glitches
- Improving Refactorings, Deprecator & Rewriting tools.
- Improving Profilers



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In Tools we believe



Modularisation

- Removing components from the base image
- Easy External Project / Library Loading
- Validating External Projects: ensuring working libraries outside the image.
- A possible set of distributions or easy to build images



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A Pharo version for Each one



Pharo 10 VM Improvements

- Sockets
- Clean up old code
- GC Improvements
- Logging
- Monitoring



Pharo Promotion

- Books books.pharo.org
- Mooc mooc.pharo.org
- Blog thepharo.dev
- Presentations



Bilateral Contracts

All results are also possible thanks to them

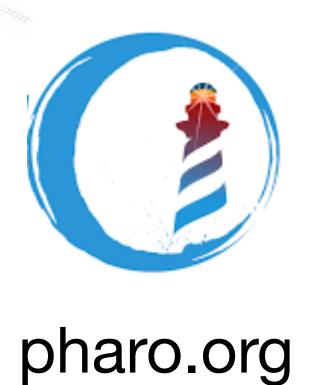




Two Years - Ongoing



Thanks!!!













discord.gg/QewZMZa

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