



Pharo 10 Status

Pharo Consortium General Assembly

consortium-adm@pharo.org

23 September 2021



Pharo 9

- 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



Pharo 10

Objectives

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

The logo for Pharo 10 is a stylized lighthouse. The top part is a semi-circle with a gradient from blue to orange, with a bright yellow sunburst in the center. Below this is a red, jagged shape representing the lighthouse tower. A blue and white striped ribbon spirals down the side of the tower. The entire logo is set against a background of thin, light gray lines radiating from the top left.

Pharo 10

Smaller Iteration

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

The logo for Pharo 10 is a stylized lighthouse. The top part is a semi-circle with a gradient from blue to orange, emitting several thin white lines representing light rays. Below this is a dark red, jagged shape representing the lighthouse's body. A blue and white wavy ribbon spirals around the base of the lighthouse.

Pharo 10

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A result of a big
introspection

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Pharo 10

Simplification

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

The logo for Pharo 10, featuring a stylized sun with rays in orange and blue, and a red, wavy, ribbon-like shape below it.

Pharo 10

Simplification

- Removing duplicated / obsolete code
 - Old Tools
 - V3 Compiler Support
 - Old Blocks & Bytecode
 - VM based event handling
 - Spec V1
 - ...

Keeping a good single
one

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Pharo 10

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

The logo for Pharo 10 is located on the left side of the slide. It features a stylized sun with a blue and orange gradient at the top, emitting several thin, light-colored rays. Below the sun is a red, jagged shape resembling a flame or a stylized letter 'P'. A blue, wavy ribbon-like shape flows downwards from the red shape, transitioning from a dark blue to a lighter blue. The entire logo is set against a white background.

Pharo 10

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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Pharo 10

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A Pharo version for
Each one

The logo for Pharo 10 is a stylized, colorful graphic on the left side of the slide. It features a central sun-like shape with rays in orange and yellow, transitioning into a red, jagged, flame-like shape, and finally into a blue, wavy, ribbon-like shape at the bottom. The entire graphic has a slight shadow and is set against a white background.

Pharo 10


VM Improvements

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

A stylized logo on the left side of the slide. It features a sun-like shape at the top with rays, transitioning into a red, jagged, flame-like shape, which then flows into a blue, wavy, ribbon-like shape at the bottom. The colors transition from orange/red at the top to blue at the bottom.

Pharo Promotion

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



Bilateral Contracts

All results are also possible thanks to them



SCHMIDT

Ingenieurbüro für Bauwesen

One Year - Finished



Lifeware

Two Years - Ongoing

Thanks!!!



pharo.org



consortium

consortium-adm@pharo.org



[pharo-project/pharo](https://github.com/pharo-project/pharo)



discord.gg/QewZMZa



thepharo.dev