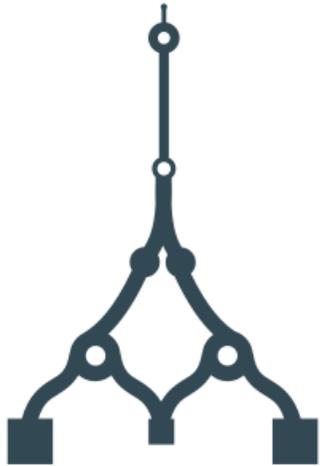


RUST IN MERCURIAL IN 2023

Raphaël Gomès @ [Octobus](#)



MERCURIAL

CONFERENCE - PARIS



April 05-07, 2023



WHY RUST?

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- Much better performance

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- Much better performance
- Strong type system
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- Modern and standardized tooling
- Cross-platform support is good

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- Called from Python as extensions

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- Directly exposed as an executable

HG-CPYTHON

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- Improves the Python experience
- Makes experimentation easier

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- Can fall back to another executable
- Gets us the most performance
- Aims for 100% transparency

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- The rust core library
- Powers hg-cpython, rhg and rhgitaly (Heptapod)
- Makes us re-think the Python code

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- Various DAG operations

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- Huge dirstate overhaul
- `rhg status`
- Simple `rhg cat`
- Simple `rhg files`
- Config, locks, etc.

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- More experimental things...

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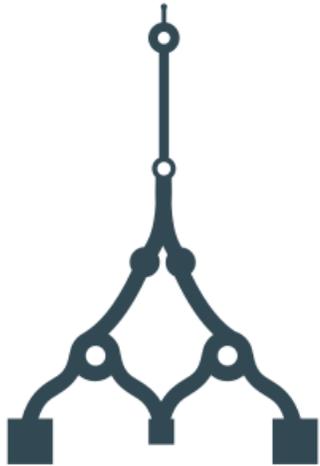
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- ...

RUST HELPS ADDRESS THE SHORTCOMINGS OF MERCURIAL

THANK YOU!

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