

# Bootstrapping a Smalltalk

Guille(rmo) Polito - Smalltalks 2012



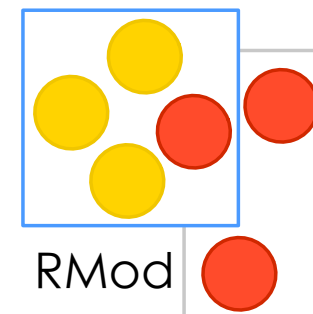
Université Lille Nord de France  
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# Why do we love Smalltalk?

- It's alive!
- Instantaneous feedback
- simple

# That's not enough

- Have you ever tried to modify the compiler?
- Or the debugger?
- What about removing Morphic from Squeak/Pharo?

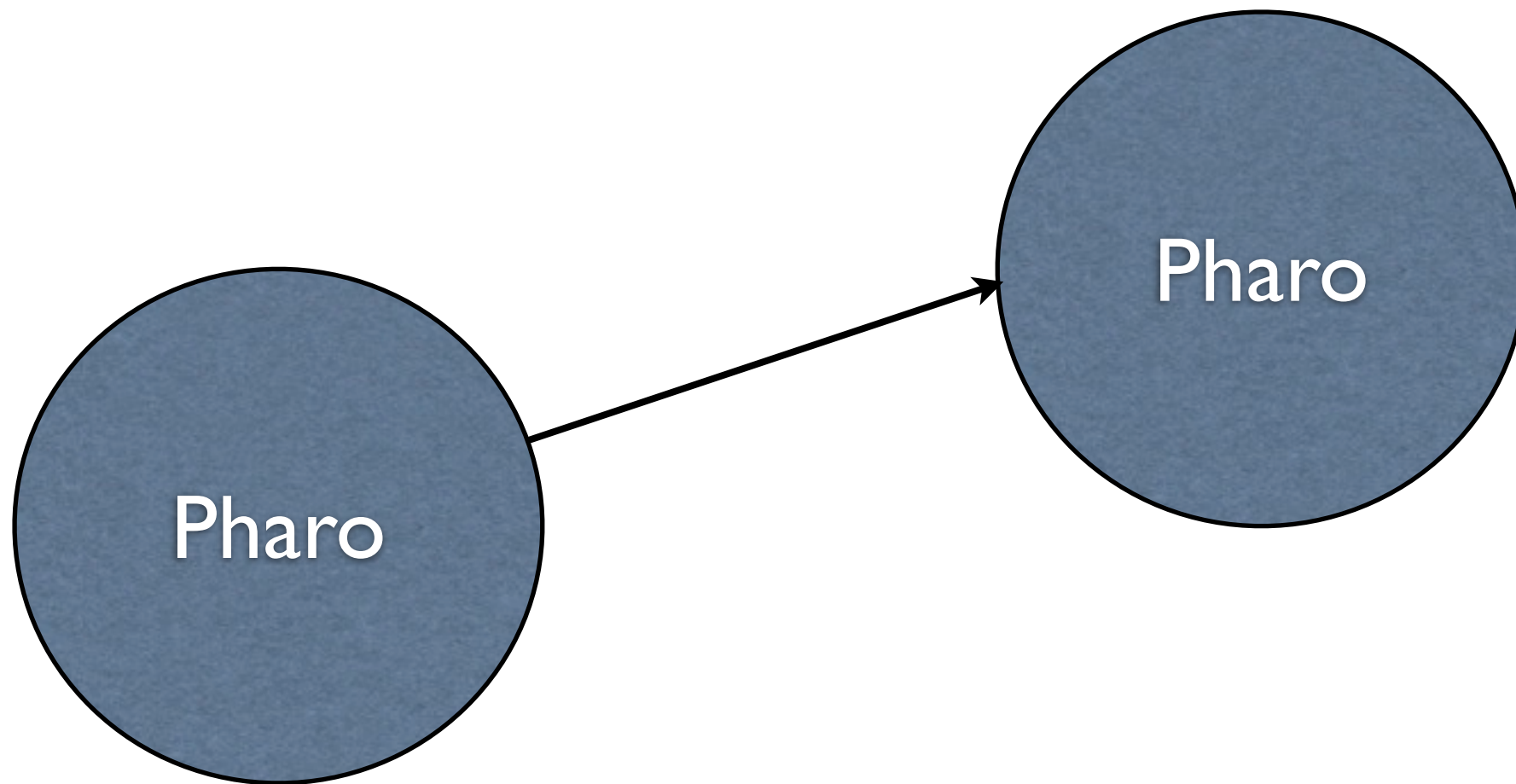
# Again, that's not enough

- We want to shoot our foot when we want to shoot our foot.
- And we want to be able to modify the core parts of our system without dying in the process.

# Let's peek at what other people do

- bigger edition granularity
- atomic application of changes
- explicit building process
- ...

# Bootstrapping



lets arrange the necessary pieces to build a new system

# Bootstrapping

- atomicity of changes
- reproducibility
- self-description (mainly of the building process)
- support for evolution and modularization

# Hazelnut

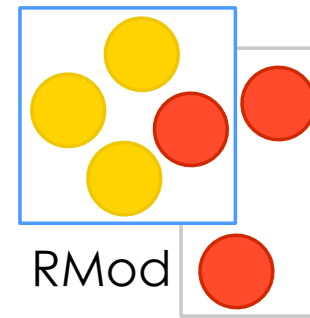
Lets do it for real





# Conclusion

- Small Pharo + Tanker packages + CI + Tests
- Very small images (80kb (embedded devs?))



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# Merci!

Guille Polito