

#### An extensible production-level debugger

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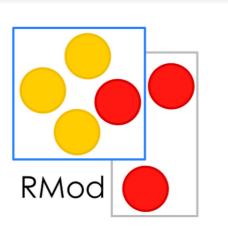
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Concerns are separated as

each composant is independent:

the interpreter, the model, the API,

the UI, the debugging commands,

Lots of contributions merged

into the Pharo baseline

and the debugger extensions

3 main contributors,

958 commits

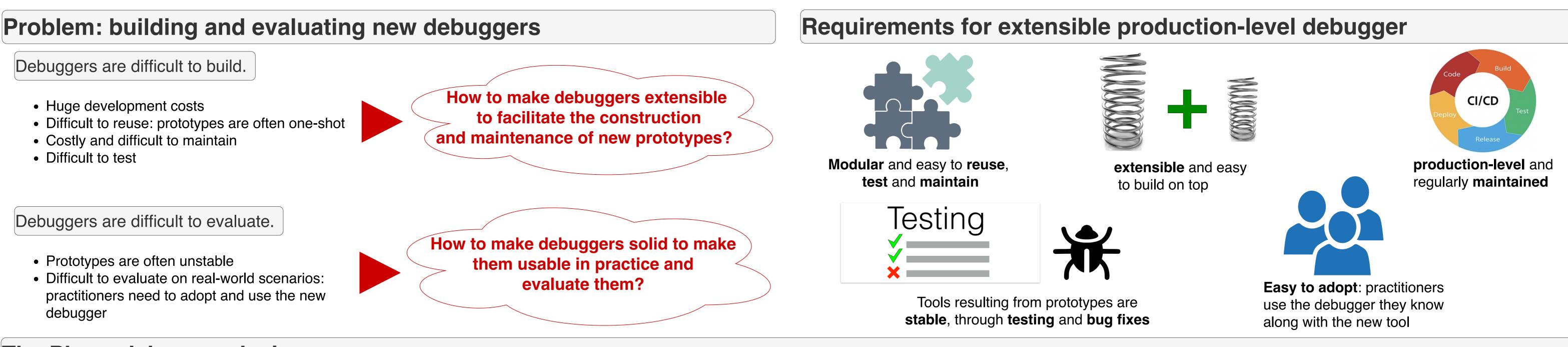




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Steven Costiou



## The Pharo debugger design

debugger

integrated

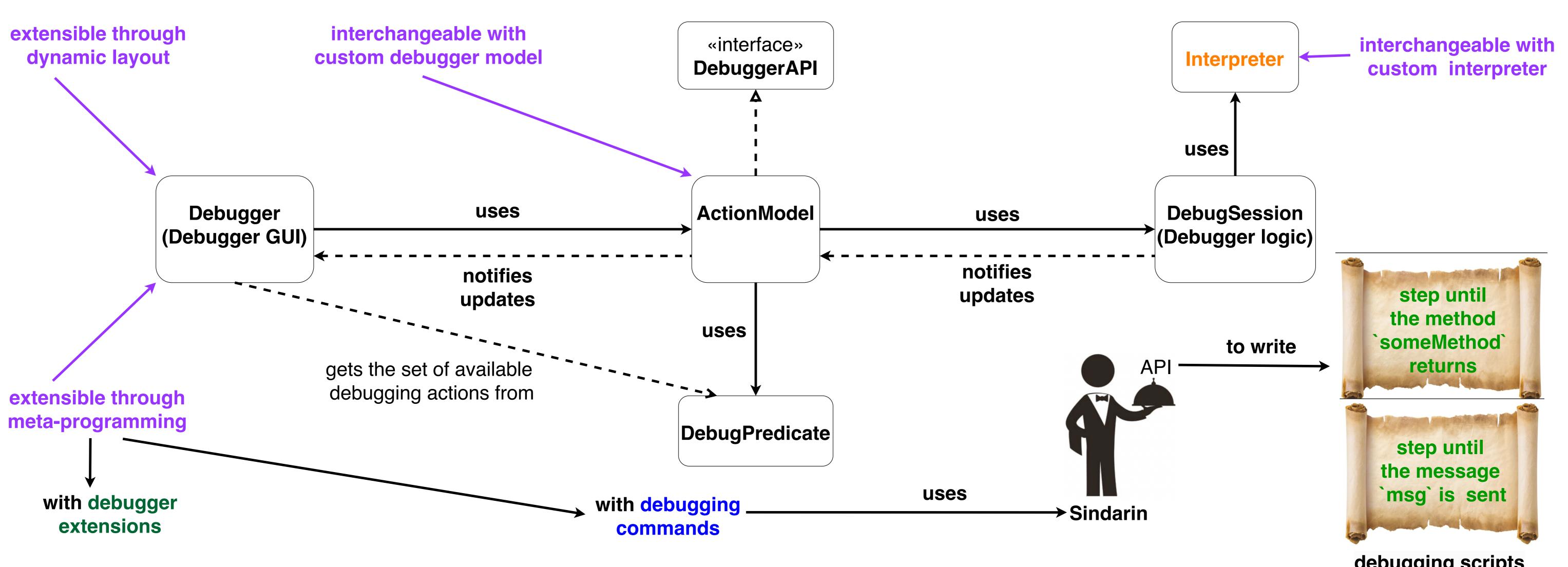
into the

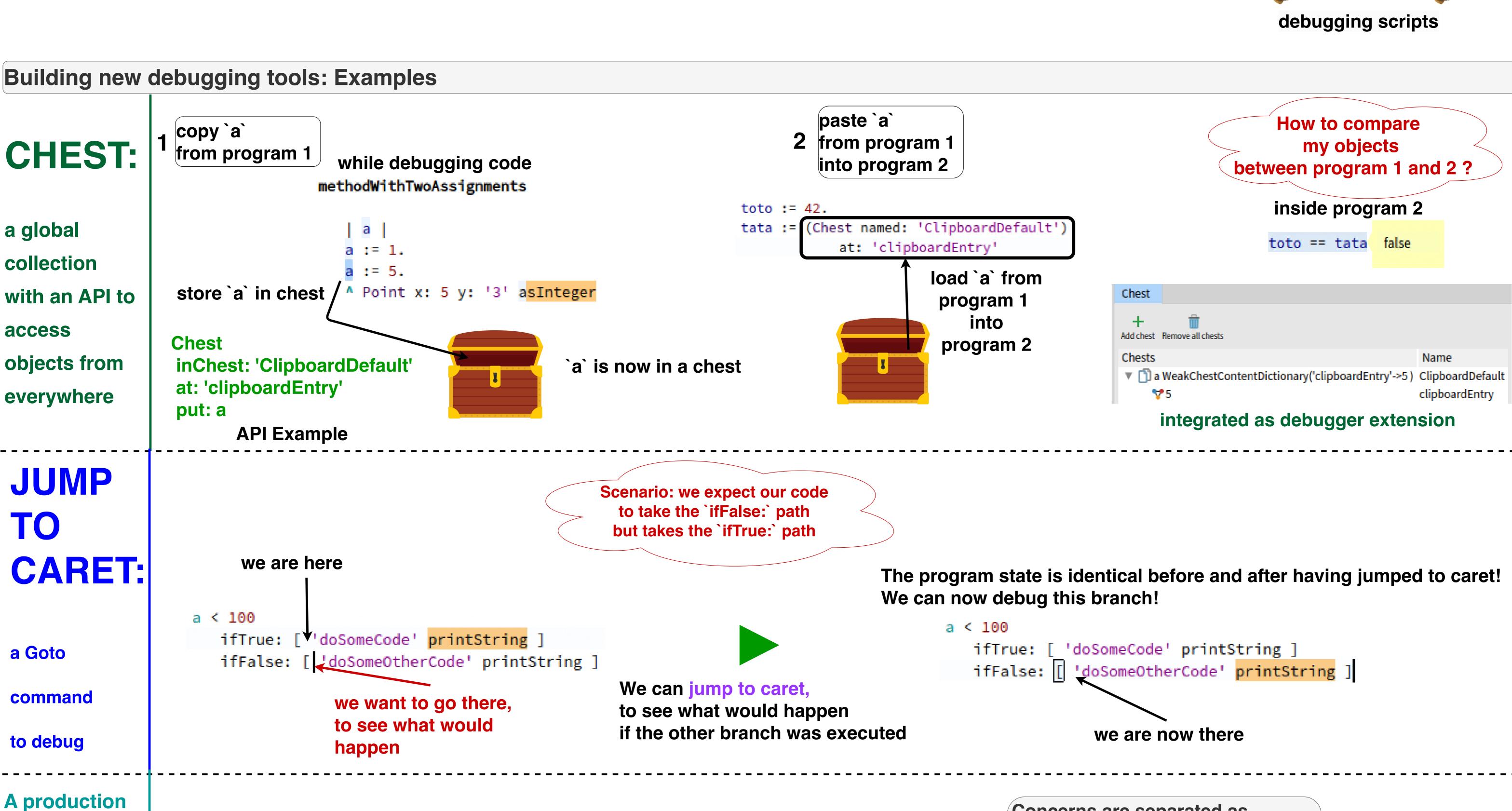
language

Pharo

THALES

**REAL USERS** 





new debugging tools can

existing debugger

be used as extensions of the

The debugger is used for empirical

evaluation of research prototypes

moldable debugger, possible to add:

Listening to feedback from users

- specific debugging operations

- specific debugging tools