an AI approach to web gaming in the cloud

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Algorithmica

Cloud-TM

INESC ID (PT)

Algorithmica (IT)

C.I.N.I. (IT)

Red Hat (IE)

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Web Games

Browser Games

Flash Games

Gameforge > 300M reg users!

Zynga has 50% of facebook users!

Outlook

- an AI design pattern
- scaling in the Cloud

an AI design pattern

MAS: an AI pattern

Agent

Percept

Action

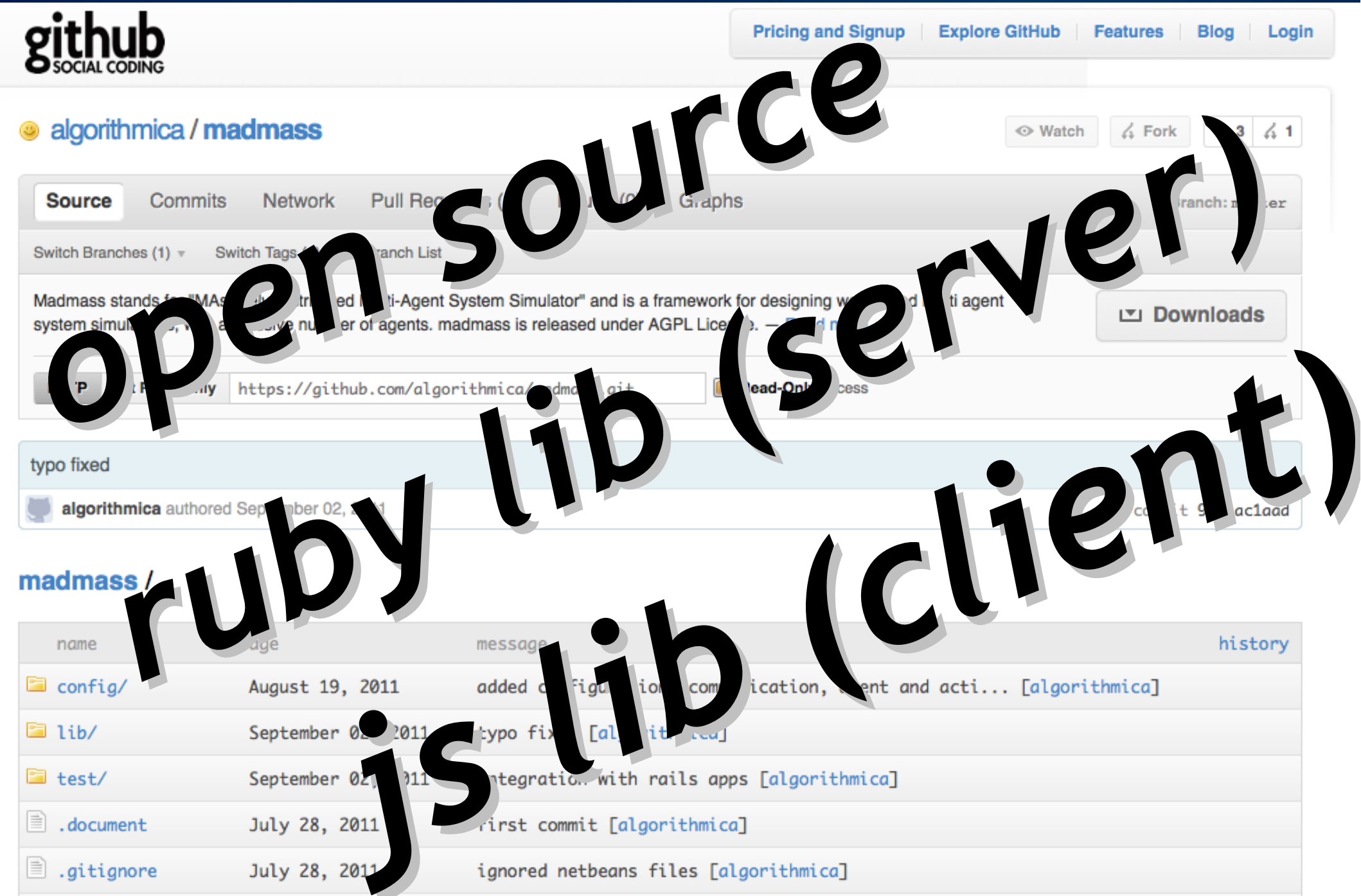
Environment

more agents

Why MAS?

1. Benefits of a cmd pattern
2. Guarantees on correctness
3. Easy to plug in AI and MAS code

MadMass



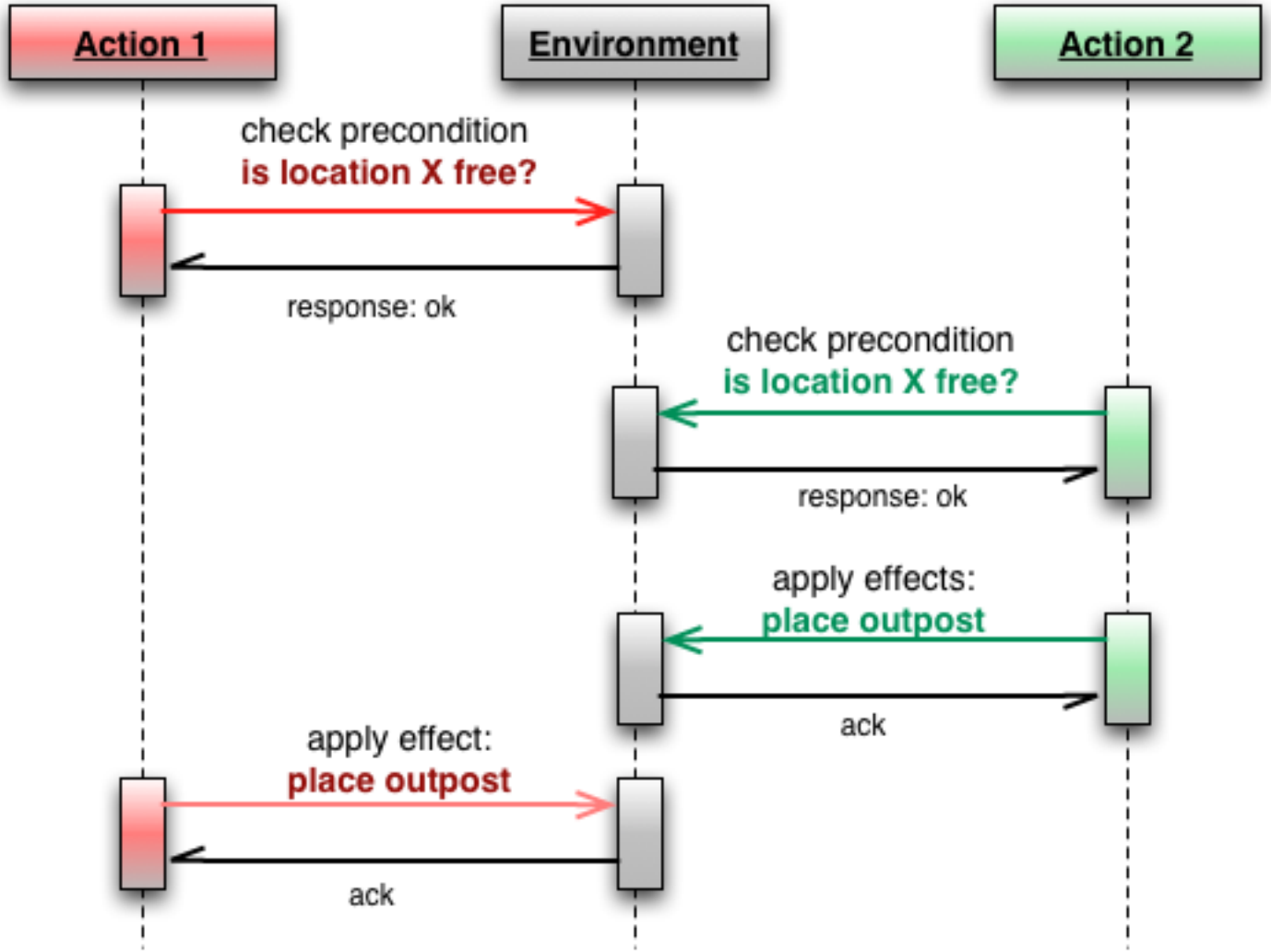
open source

ruby lib (server)

js lib (client)

scaling in the Cloud

The price of scaling



A DSTM data layer

Distributed Software Transactional Memory

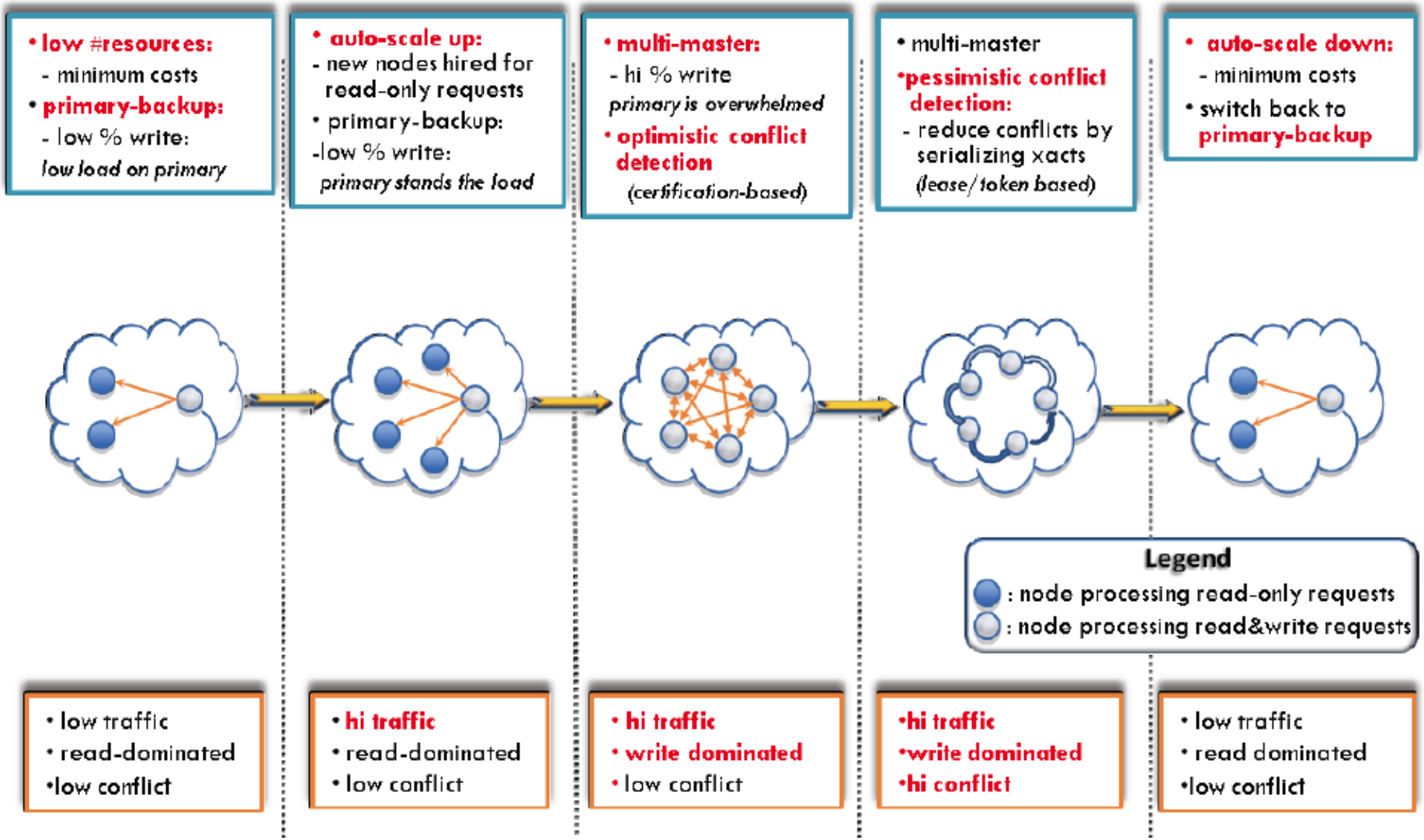
... imagine a memory that elastically scales,

that transparently persists data,

and that deals for you with concurrency issues

A Red Hat Backbone

Autonomic Self-Optimization



Want to know more?

oludap.com

github.com/algorithmica/madmass

cloudtm.eu

www.hibernate.org/subprojects/ogm

www.jboss.org/infinispan

torquebox.org

Thanks!