akka

KLOUT

IGN

vmware

amazon

CREDIT SUISSE

Autodesk

Atos

BLIZZARD
ENTERTAINMENT

Introduction of

Akka

Veille Technologique et Strategique 2015

RICM 5 Polytech Grenoble
ZHANG Zhengmeng

Akka

is a toolkit

to build

- concurrent,
- distributed,
- fault torerant

apps.

concurrent

* Actors

distributed

* Remoting

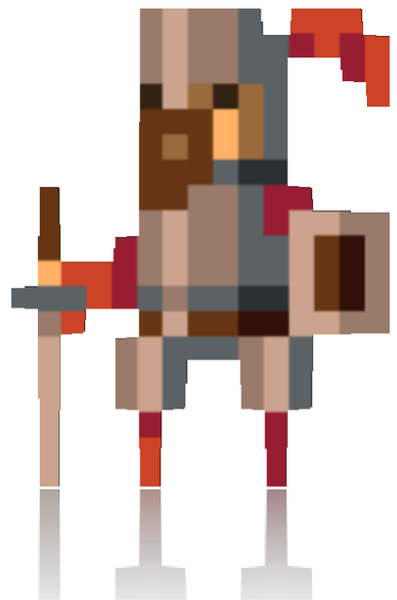
fault torerant

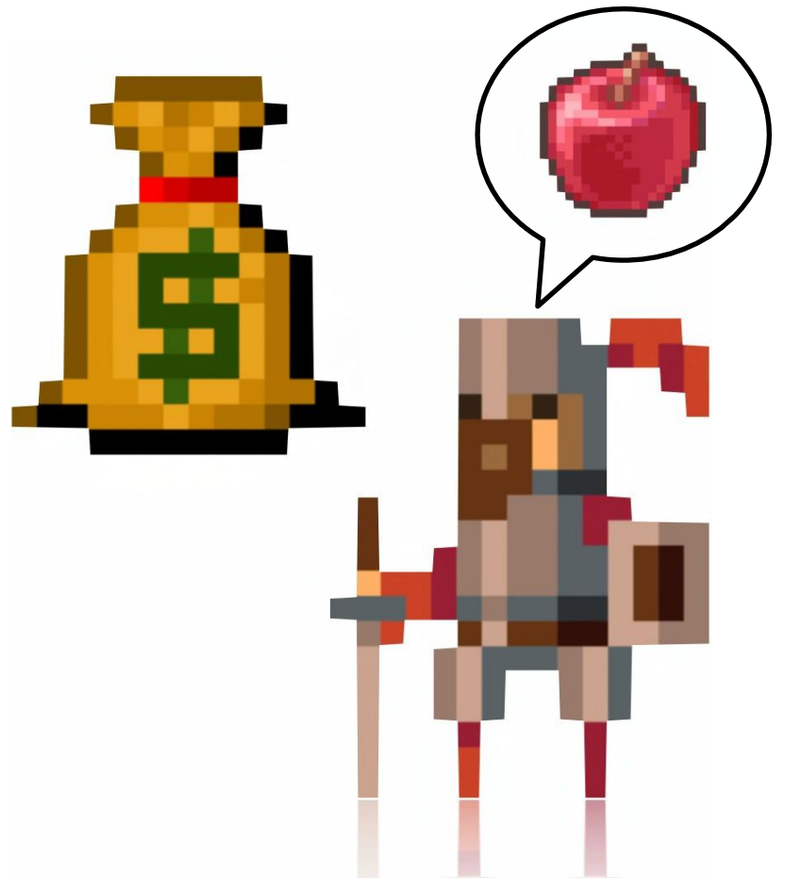
* Supervision

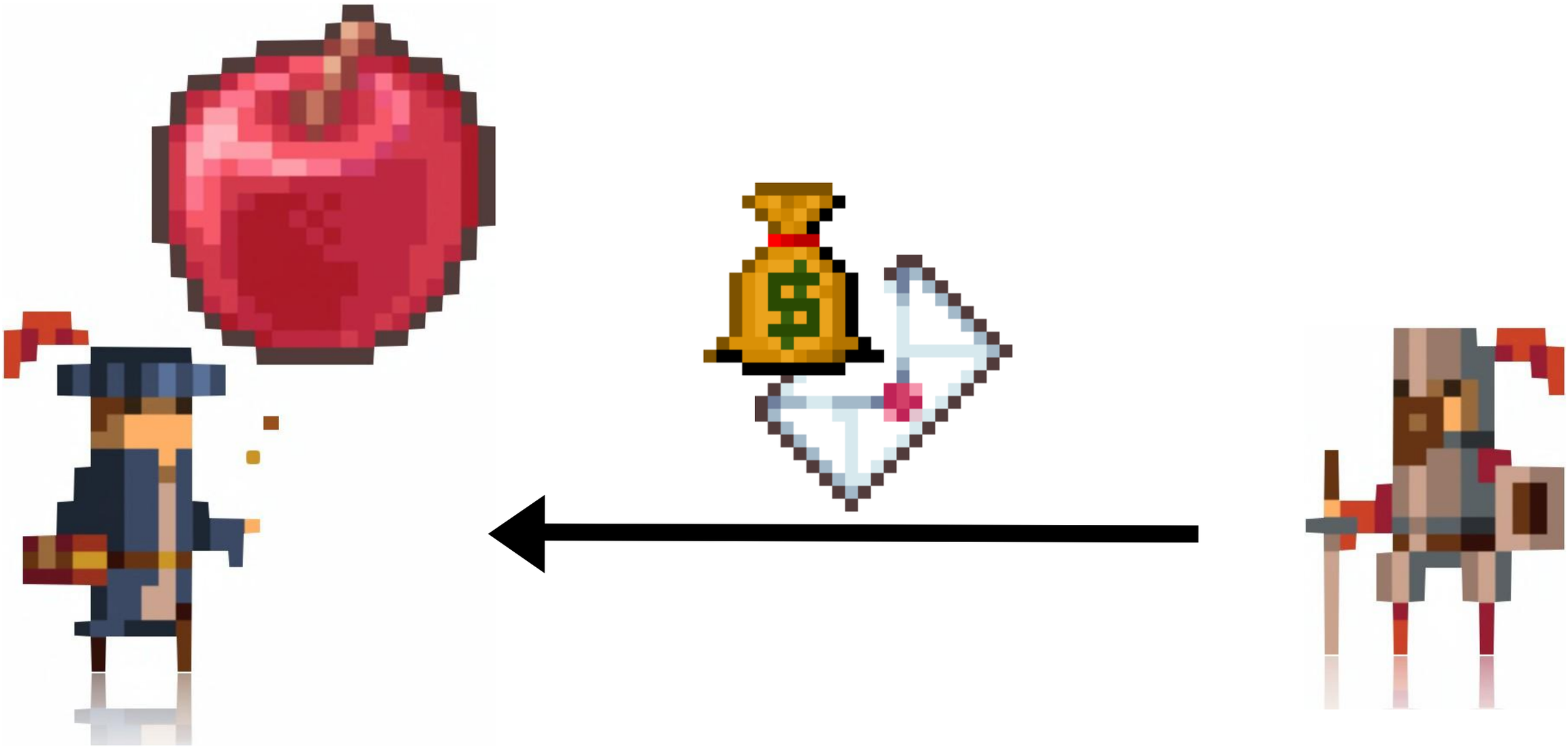
Actors

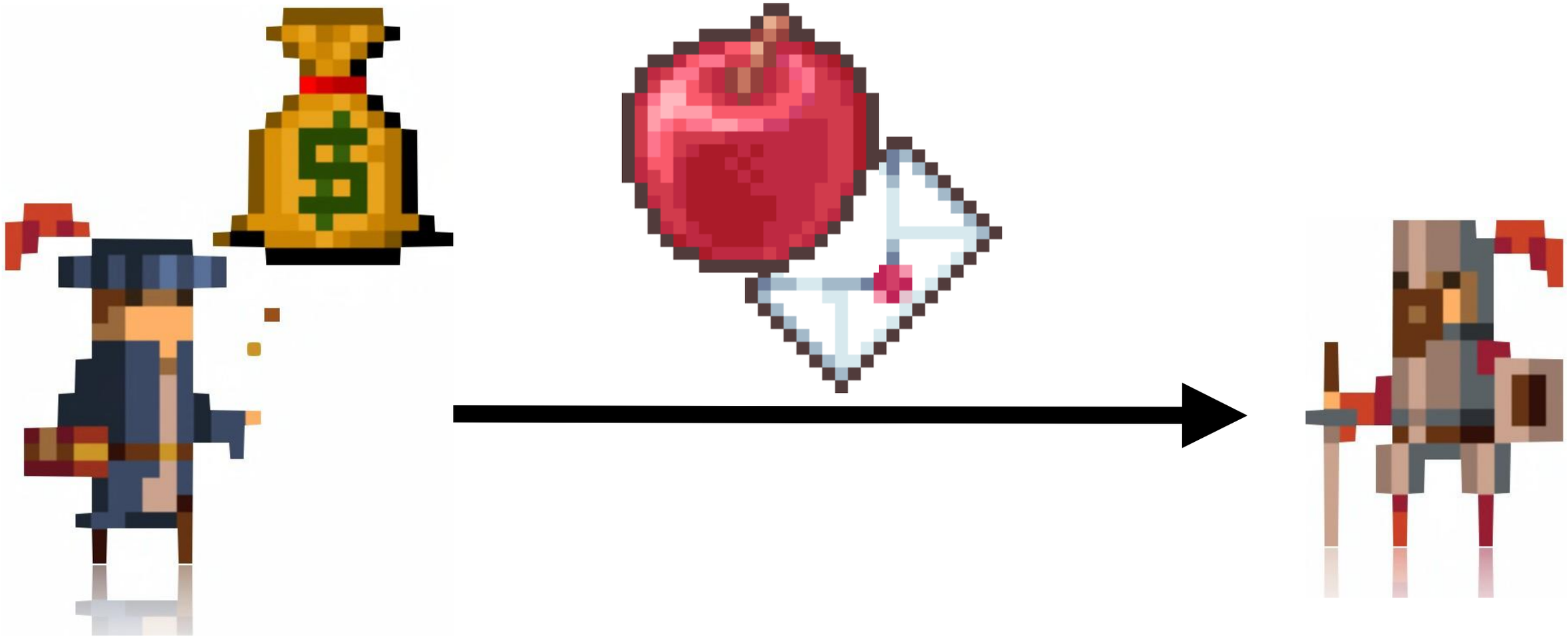
Merchant

Warrior

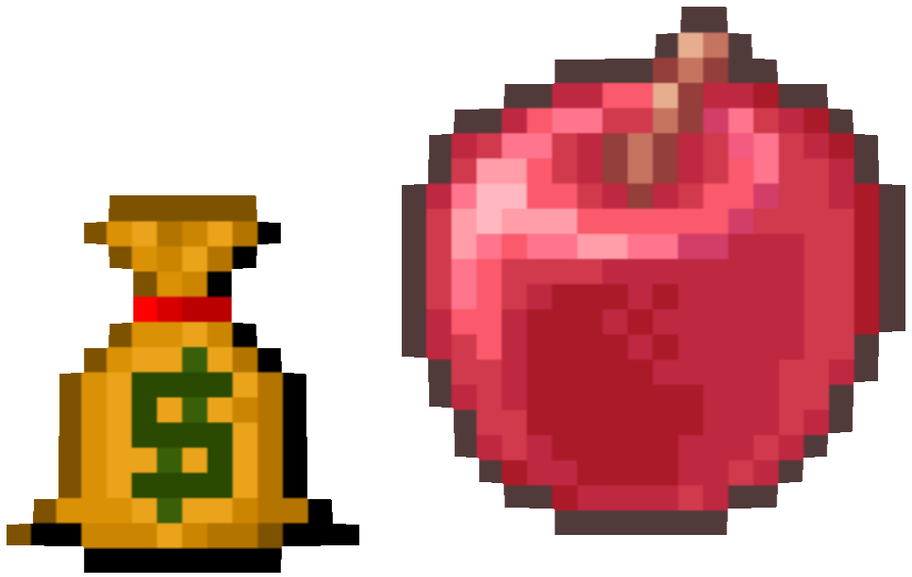






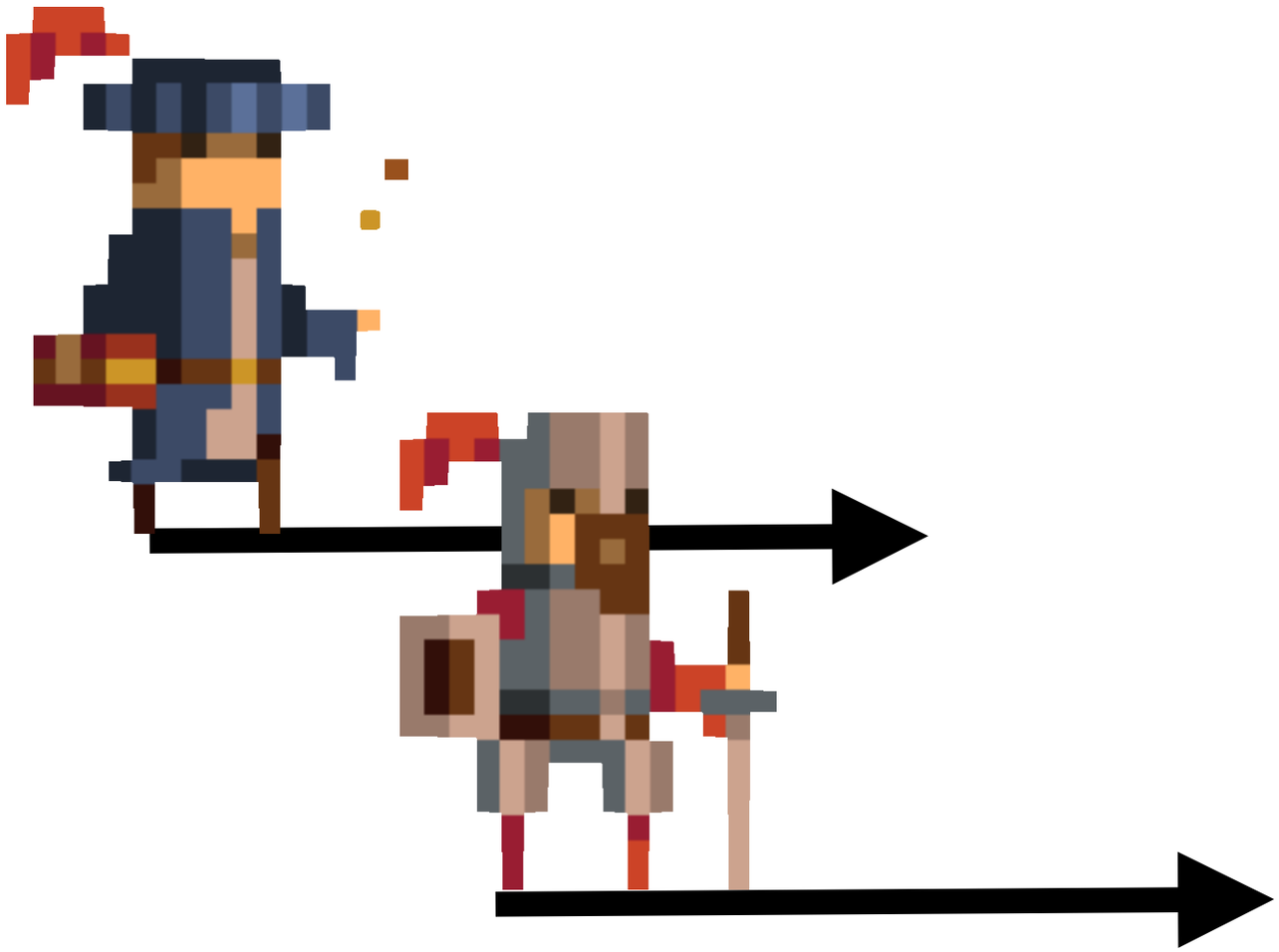


Actors

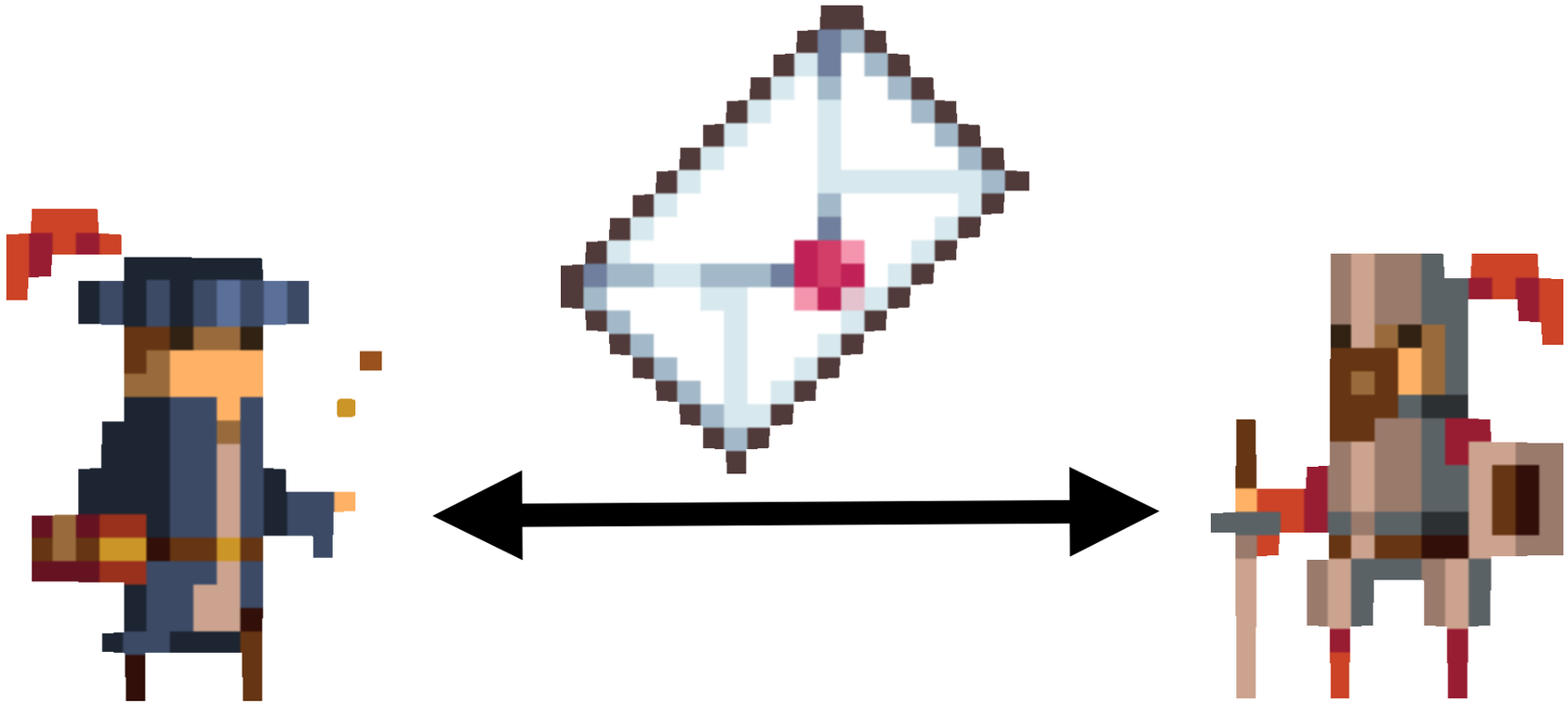


States

Messages

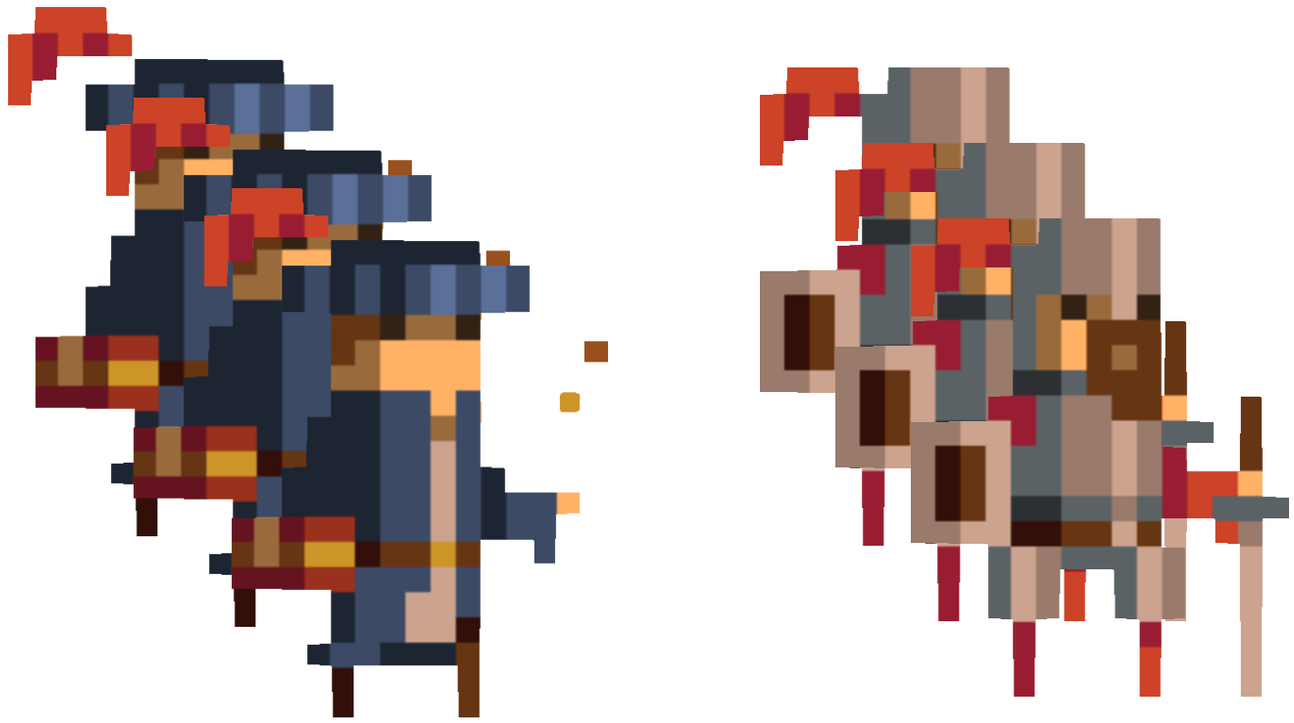


Each actor runs concurrently



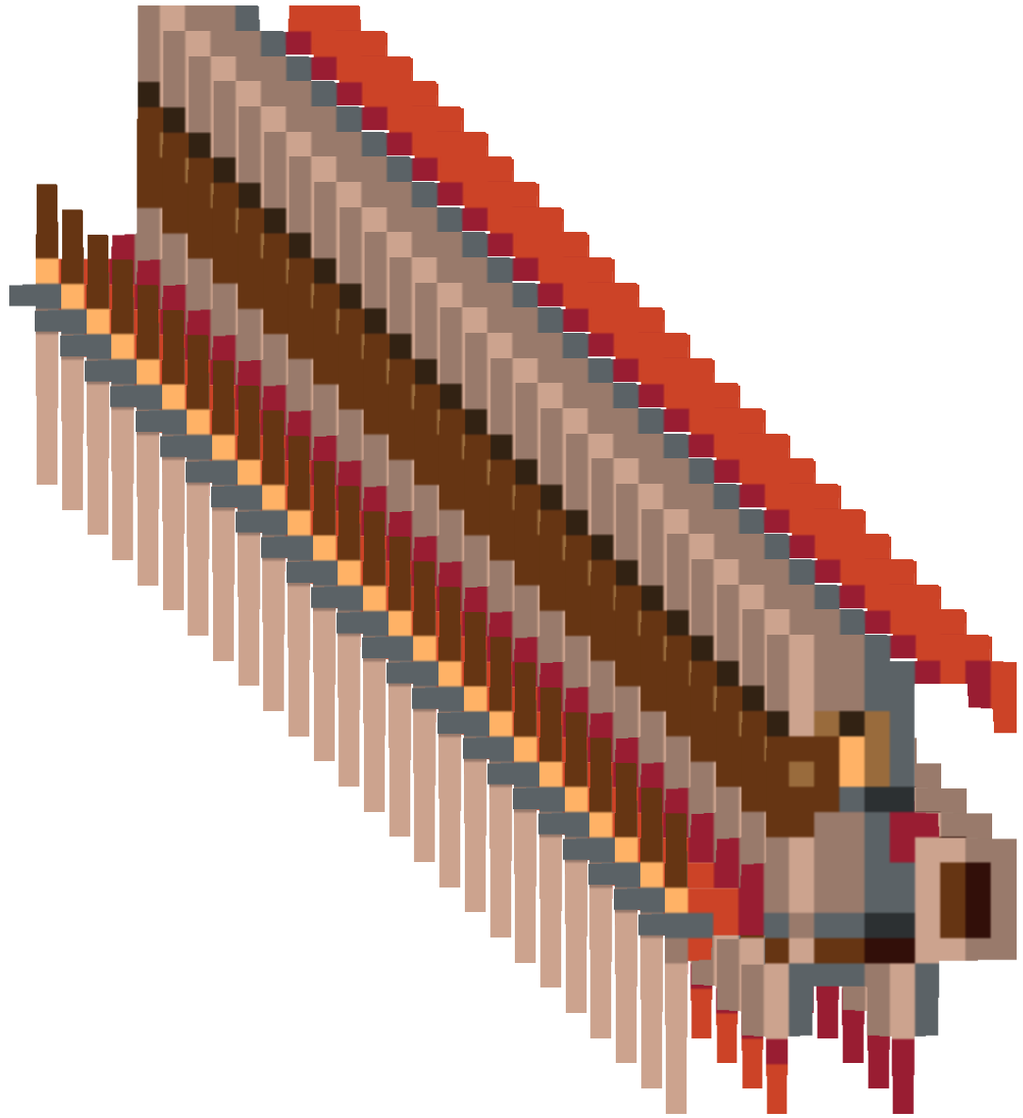
Actors communicate through messages

Each actor has state



Actors are scalable

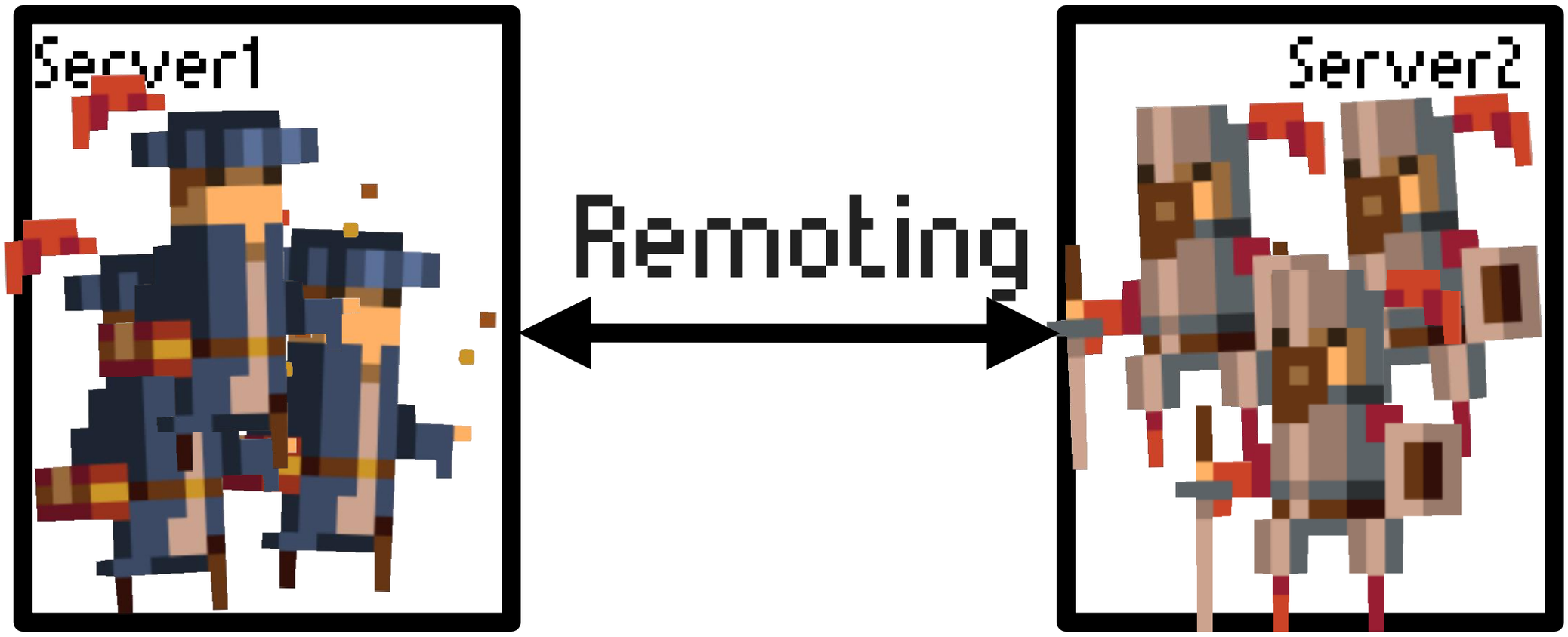
Too much load!



Remoting

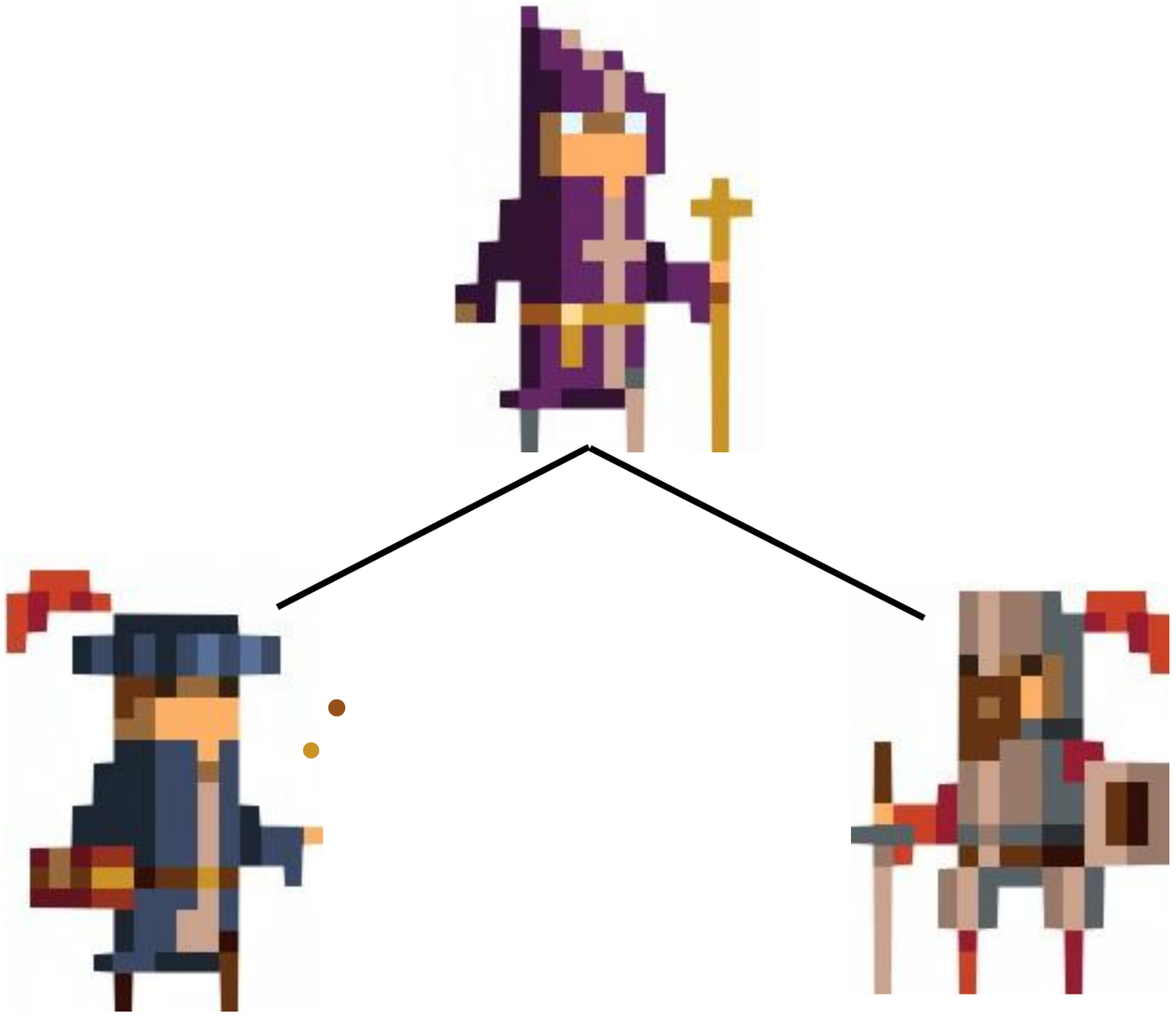
It's O.K.

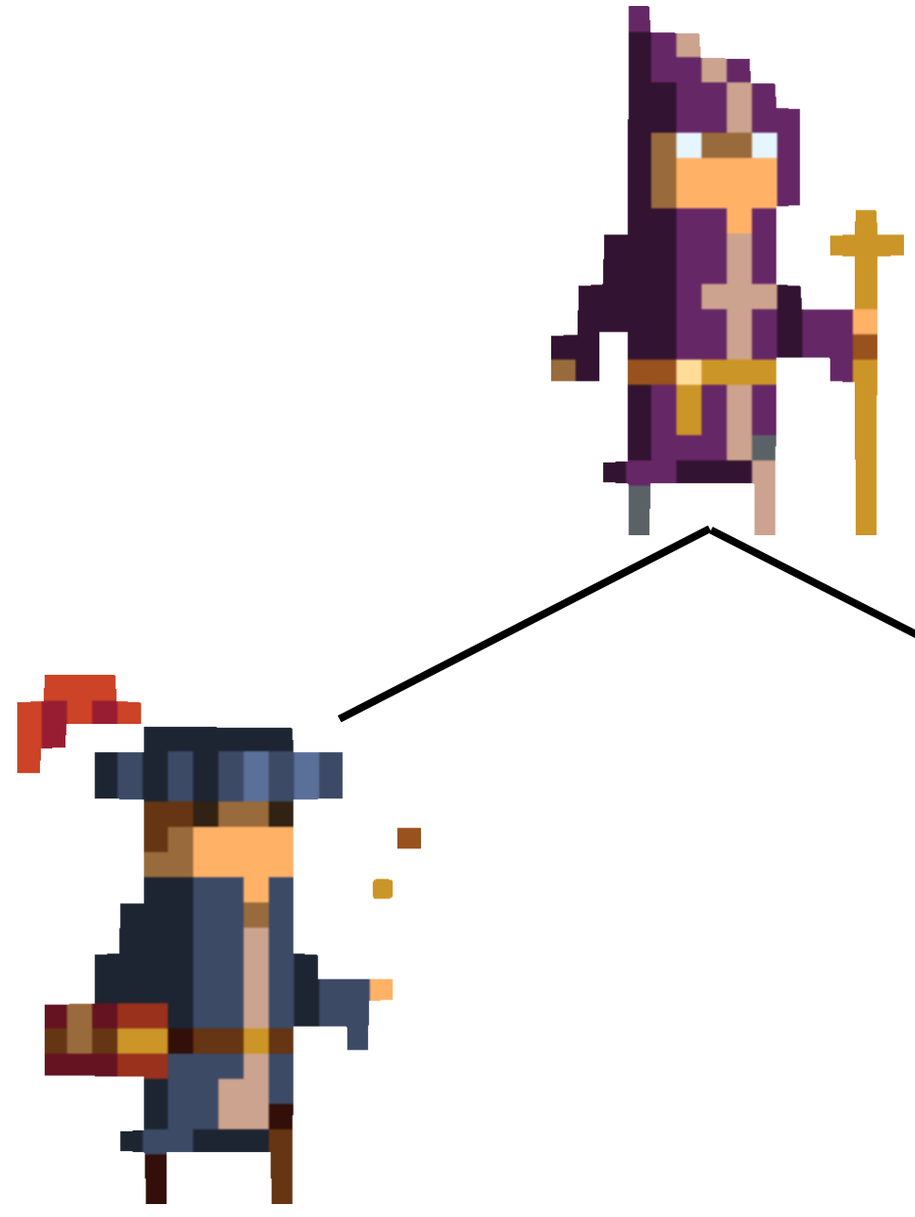
Out of cap



Ditribute across servers

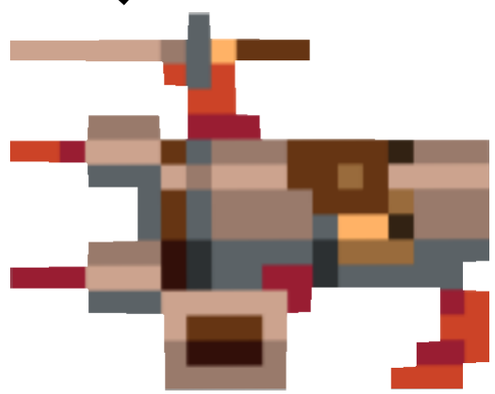
supervision




Supervisor
Children

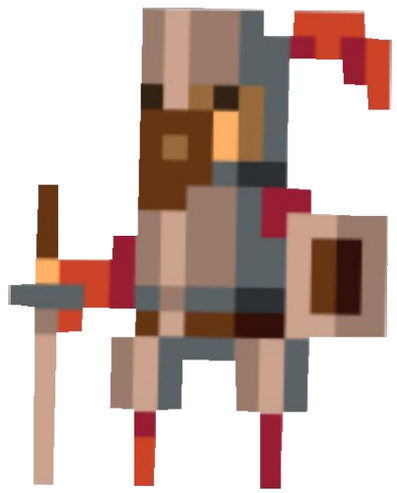
exception

exception



restart!

restart!



Akka is composed of many tools:

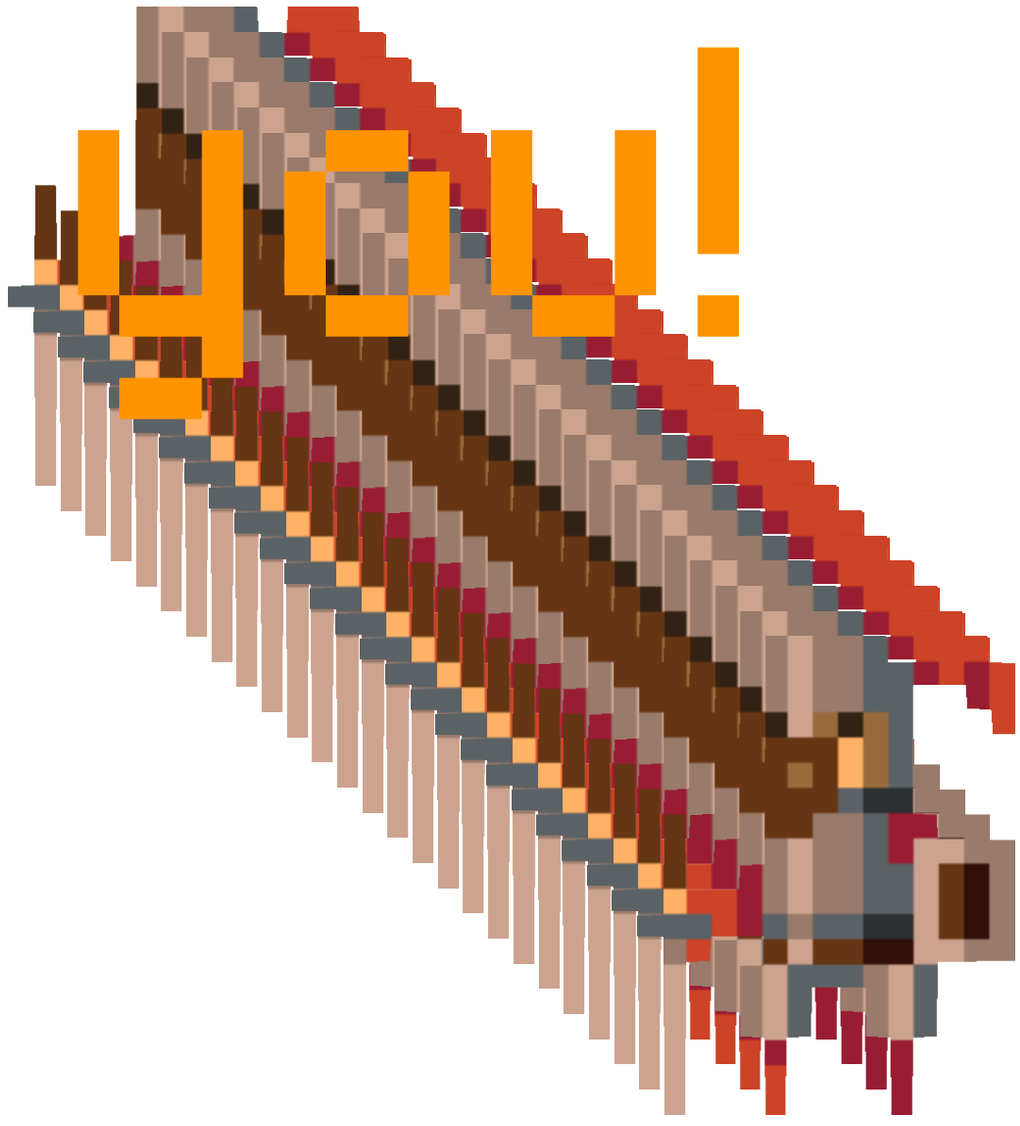
actor, testkit, remote, cluster, transactor, agent, zeromq, camel, ...

Just use what you need

See:

http://akka.io/docs/

Thank



you!