REPLアタッチツールScaliveの紹介（仮）

20140715 Scalive＃1(http://connpass.com/event/6903)
https://github.com/georgeOsdDev/scalive-demo
Takeharu.Oshida

Self Introduction

- 押田丈治
  (https://github.com/georgeOsdDev)

- Mobilus
  (http://mobilus.co.jp/)

- Xitrum-framework
  (https://github.com/xitrum-framework

About Scalive

- Trouble shooting in production mode

  - On memory variable values
    Ex:atomic number on Hazelcast

  - Reload config file

- Debug application without IDE

Demo

- http://youtu.be/h45QQ45D9P8

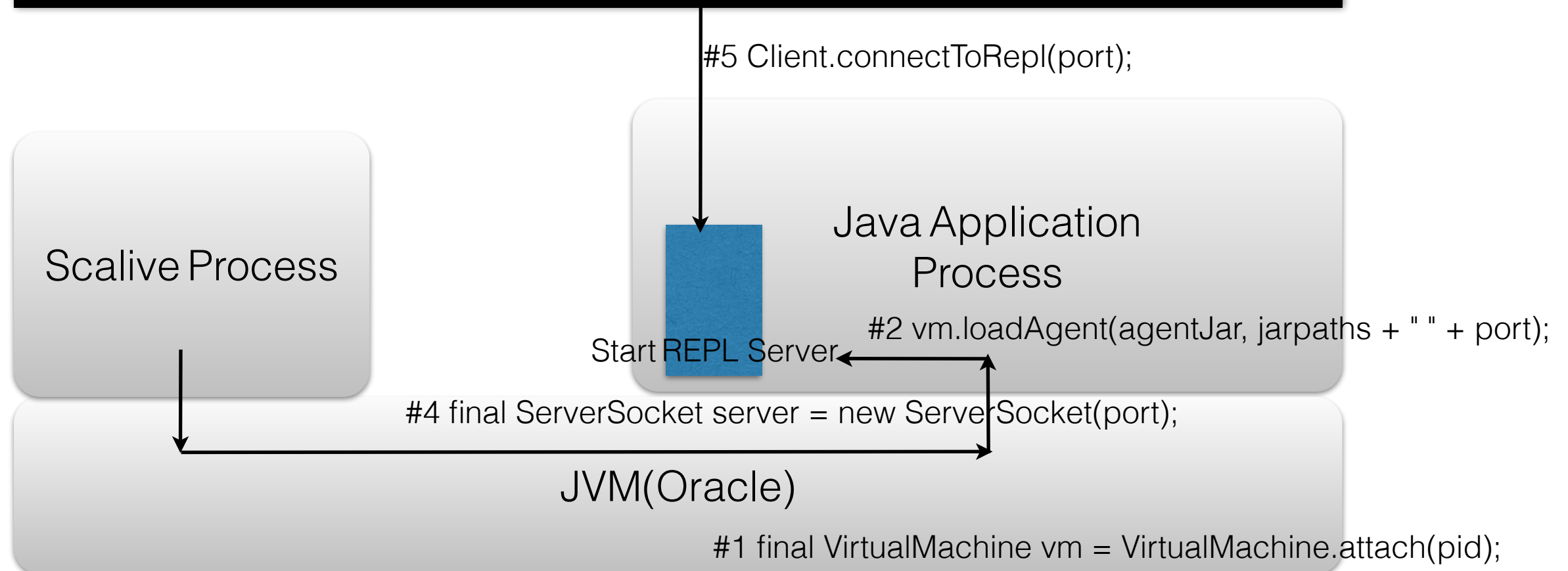- https://github.com/georgeOsdDev/scalive-demo

Implementation of Scalive

```
./scalive
JVM processes:
#pid   Display name
21806        scalive.AgentLoader
13118        jp.co.your.app.MainClass
1947         jp.co.another.MainClass

$ ./scalive  13118
[Scalive] Attached to remote process at port 43038

scala>
```

#5 Client.connectToRepl(port);

Scalive Process

Java Application Process

Start REPL Server

#2 vm.loadAgent(agentJar, jarpaths + " " + port);

#4 final ServerSocket server = new ServerSocket(port);

JVM(Oracle)

#1 final VirtualMachine vm = VirtualMachine.attach(pid);

The Attach API : https://blogs.oracle.com/CoreJavaTechTips/entry/the_attach_api

Scalive feature

✓ No setup at client application

✓ No reboot at client application

✓ Support default system class loader(Play, Xitrum,...)
   (Processes with multiple class loaders are not supported like SBT)

✗ Autocompletion

✗ History

https://github.com/xitrum-framework/scalive/issues