

## Taller de Patrones de Arquitectura-ESB

Inicializamos el serviceMix

```
PS C:\Users\2139997\Downloads\apache-servicemix-7.0.1\apache-servicemix-7.0.1> .\bin\servicemix
Java HotSpot(TM) 64-Bit Server VM warning: ignoring option MaxPermSize=256M; support was removed in 8.0
Please wait while Apache ServiceMix is starting...
100% [=====]

Karaf started in 3s. Bundle stats: 222 active, 222 total

ServiceMix

Apache ServiceMix (7.0.1)

Hit '<tab>' for a list of available commands
and '[cmd] --help' for help on a specific command.
Hit '<ctrl-d>' or 'system:shutdown' to shutdown ServiceMix.

karaf@root>
karaf@root>
```

Probamos en local:

```
--- exec-maven-plugin:1.2.1:exec (default-cli) @ patrones ---
SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
SLF4J: Defaulting to no-operation (NOP) logger implementation
SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
Sent message: 1354011814 : main
Received: Hello world! From: main : 1740189450
-----
BUILD SUCCESS
-----

Total time: 1.311s
Finished at: Fri Nov 08 11:55:54 COT 2019
```

## Lo subimos y desplegamos en AWS-EC2

```
Select ec2-user@ip-172-31-84-181:~/apache-servicemix-7.0.1

[ec2-user@ip-172-31-84-181 apache-servicemix-7.0.1]$
[ec2-user@ip-172-31-84-181 apache-servicemix-7.0.1]$
[ec2-user@ip-172-31-84-181 apache-servicemix-7.0.1]$
[ec2-user@ip-172-31-84-181 apache-servicemix-7.0.1]$ sh ./bin/se
servicemix      servicemix.bat setenv      setenv.bat
[ec2-user@ip-172-31-84-181 apache-servicemix-7.0.1]$ sh ./bin/se
servicemix      servicemix.bat setenv      setenv.bat
[ec2-user@ip-172-31-84-181 apache-servicemix-7.0.1]$ sh ./bin/se
servicemix      servicemix.bat setenv      setenv.bat
[ec2-user@ip-172-31-84-181 apache-servicemix-7.0.1]$ sh ./bin/se
servicemix      servicemix.bat setenv      setenv.bat
[ec2-user@ip-172-31-84-181 apache-servicemix-7.0.1]$ sh ./bin/service
servicemix: JAVA_HOME not set; results may vary
: integer expression expected: 0
Please wait while Apache ServiceMix is starting...
100% [=====]
Karaf started in 13s. Bundle stats: 219 active, 222 total

ServiceMix

Apache ServiceMix (7.0.1)

Hit '<tab>' for a list of available commands
and '[cmd] --help' for help on a specific command.
Hit '<ctrl-d>' or 'system:shutdown' to shutdown ServiceMix.

karaf@root>
```

```
ec2-user@ip-172-31-84-181:~/apache-servicemix-7.0.1

48 | Active | 50 | 2.16.5 | camel-xstream
49 | Active | 80 | 2.16.5 | camel-karaf-commands
51 | Active | 50 | 3.2.2 | Apache Commons Collections
52 | Active | 50 | 2.0.1 | Commons JEXL
54 | Active | 50 | 3.5.0 | Apache Commons Net
55 | Active | 50 | 1.6.0 | Commons Pool
56 | Active | 50 | 2.4.2 | Apache Commons Pool
94 | Active | 50 | 2.0.0 | geronimo-j2ee-connector_1.5_spec
95 | Active | 50 | 1.0.1 | geronimo-j2ee-management_1.1_spec
99 | Active | 50 | 3.4.6 | ZooKeeper Bundle
129 | Active | 80 | 2.0.13 | Apache MINA Core
132 | Active | 50 | 7.0.1 | Apache ServiceMix :: ActiveMQ :: Camel
133 | Active | 50 | 7.0.1 | Apache ServiceMix :: ActiveMQ :: Service
136 | Active | 50 | 1.6.1.5 | Apache ServiceMix :: Bundles :: dom4j
138 | Active | 50 | 1.9.2.1 | Apache ServiceMix :: Bundles :: jasypt
142 | Active | 50 | 1.1.0.4 | Apache ServiceMix :: Bundles :: jdom
143 | Active | 50 | 2.3.0.2 | Apache ServiceMix :: Bundles :: kxml2
156 | Active | 50 | 1.7.0.6 | Apache ServiceMix :: Bundles :: velocity
160 | Active | 50 | 1.1.4.c | Apache ServiceMix :: Bundles :: xpp3
161 | Active | 50 | 1.4.8.1 | Apache ServiceMix :: Bundles :: xstream
171 | Active | 50 | 4.2.0 | Apache XBean :: OSGI Blueprint Namespace Handler
202 | Active | 50 | 0.6.4 | JAXB2 Basics - Runtime
215 | Active | 50 | 2.11.0.v20140415-163722-cac6383e66 | Scala Standard Library
222 | Active | 80 | 0.0.0 | movefiles.xml
223 | Active | 80 | 0.0.0 | activemq.xml
225 | Active | 80 | 0.0.0 | messageHandler.xml

karaf@root>
```

```
27 |
28 |
29 |
30 | un() {
31 |     ext context = new DefaultCamelContext();
32 |     brokerURL = args[0];
33 |     nFactory connectionFactory = new ActiveMQConnectionFactory("tcp://ec2-34-205-147-231.compute-1.amazonaws.com:61616?jms.useAsyncSend=true")
34 |
35 |     / Create a Connection "smx", "smx"
36 |     connection connection = connectionFactory.createConnection("smx", "smx");
37 |     connection.start();
38 |
39 |     / Create a Session
40 |     session session = connection.createSession(false, Session.AUTO_ACKNOWLEDGE);
41 |
42 |     / Create the destination (Topic or Queue)

```

edu.edi.arp.patrones.Cliente > run > connectionFactory >

Output - Run (patrones) x

SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".  
SLF4J: Defaulting to no-operation (NOP) logger implementation  
SLF4J: See <http://www.slf4j.org/codes.html#StaticLoggerBinder> for further details.  
Sent message: 846238611 : main  
Received: Hello world! From: main : 1740189450

-----  
BUILD SUCCESS  
-----

Total time: 2.235s  
Finished at: Fri Nov 08 12:47:38 COT 2019  
Final Memory: 8M/245M  
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## Diagrama



