

.NET Core With Akka



Akka , JVM(SCALA, JAVA) ().
.Net [Akka.net](#) , MS [Orleans](#) .

Core Api 3.x Akka .

Links :

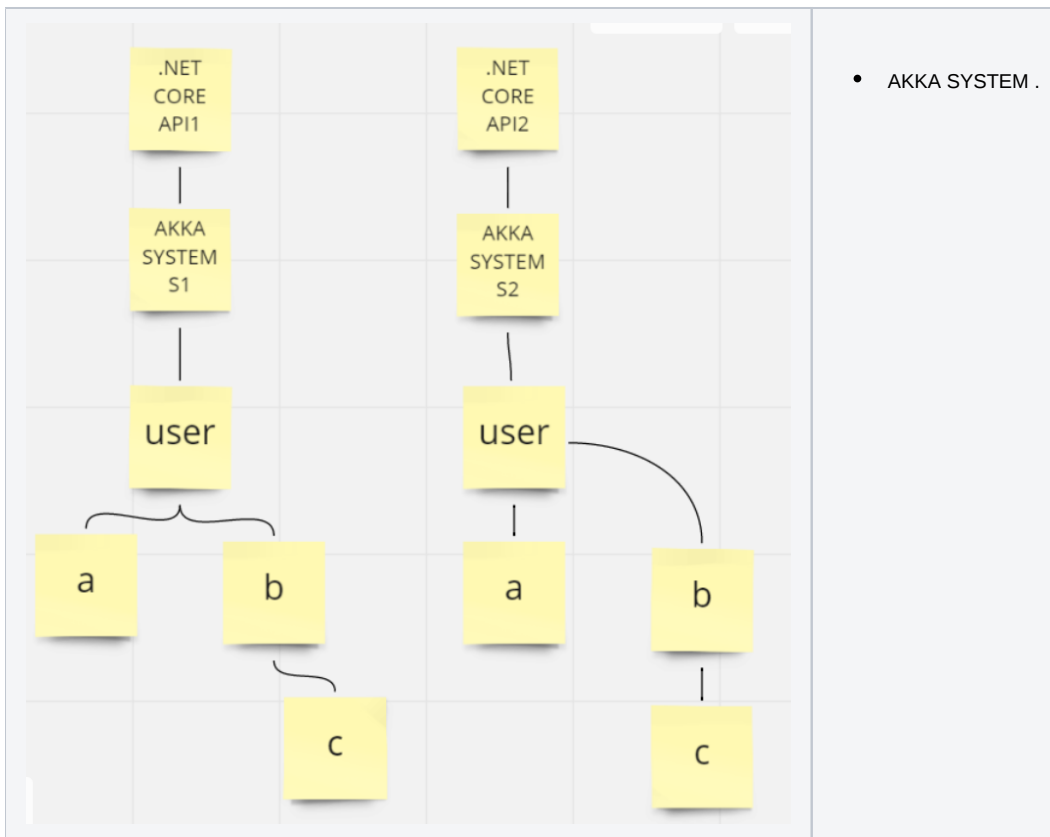
- <https://github.com/psmon/AkkaForNetCore> : .net core 3.x ,
 , Git .
- <https://www.slideshare.net/sangmanpark1/akka-play-with-netcore> : Akka.net
- <https://github.com/psmon/AkkaDotModule> : AKKA , NetCore .

AKKA

- [Terminology](#)
- [Future and Promise](#)

Preview

AKKASYSTEM



Development Environment for AkkaNetCore

 AkkaNetCore() (mysql,kafka)

, .

Visual Studio IDE .

Actor Pattern

 . event-driven receive loop .

Dispatcher , Cluster .

AKKA .

AKKA Setting For NetCore

 .NET Core 3.1 API Akka.net

.

[Core DI](#) , Akka [Top-Level Architecture](#) .

First Actor



1. (.)
2. (, .)

ActorSelection



- (actor ref vs actor selection)
- (tell or ask)

Performance with router



•
•

MailBox

 Actor MailBox

.

, .

AtLeastOnceDelivery



```
”
3 .
, .
```

EventSourcing



```
.
```

```
.
```

Dispatcher Vs Thread



```
• , 0
•
```

- Using Dispatcher



```
o
o
```

UnitTest For Actor Message



```
.
, Nunit/xUnit
OOP , .
```

Real time performance counters



```
.
• . ( Nlog,Log4j )
• . ( )
```

RemoteActor



```
,
.
, .
```

Cluster with Actor



Akka ,

.

, .

- [Singleton Cluster Actor](#)



.

,

.

- [BulkInsert with ORM](#)



.

ORM .

10 5 .

Stream - ThrottleActor



.

,

.

- [Kafka with Stream](#)



AkkaStream .

Stream Kafka (,) [Reactive Stream](#) .

, .

Fault Tolerance



.

? (SupervisorStrategy)

Link :

LoadTest



API , API

, LoadRunner

, .

ActorUtils

- [ActorScheduler By Quartz](#)



EventBus



(Publish)/(SubScribe)

Akka EventStream EventBus

얼랭(Erlang)



패러다임 다중 패러다임 함수형, 병행성
설계자 조 암스트롱 (Joe Armstrong)
로버트 버딩 (Robert Virding)
마이크 윌리엄스 (Mike Williams)

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영향을 받은 언어

프롤로그, 스몰토크, PLEX

영향을 준 언어

F#, 클로저, Rust, 스칼라, Opa, Reia, Elixir, 닥트, Akka

(Communication theory)

"Agner Krarup Erlang"

()

AKKA ,Kafka Message Delivery Once

Akka VS Orleans

0,

(,,)

.

Akka Documentation

Version 2.6.4

Java

Search

Security Announcements

Getting Started Guide

General Concepts

Actors

Cluster

Persistence

Event Sourcing

CQRS

Style Guide

Snapshotting

Testing

EventSourced behaviors as finite stat...

Schema Evolution for Event Sourced ...

Persistence Query

Persistence Query for LevelDB

Persistence Plugins

Persistence - Building a storage back...

Streams



Orleans

Documen



Documentation / Overview

Documentation /

Enter here to filter...

Enter here

Overview

- Grains

Developing a Grain
Grain Placement
Timers and Reminders
Observers
Reentrancy
Request Context
Code Generation

+ Persistence

+ Event Sourcing

+ Advanced Features

+ Streaming

+ Hosting

+ Tutorials and Samples

+ Implementation Details

+ Resources

+ Introduction

+ Concepts

- Actors

ReceiveAct
UntypedAc
Routers
Dispatchers
Mailboxes
Inbox
Finite State
Fault Toleranc
Dependenc
Dependenc
Testing Act
Coordinate

+ HOCON

- Persistence

Architectur
Event sourc
Persistence
Snapshots
At-Least-O
Event Adap
Persistent F
Storage plu
Custom ser
Persistence
Persistence

+ Streams

+ Networking

+ Remoting

Lightbend(.TypeSafe)

Scala,Akka .

, ? (Persistence)

CRUD CQRS ?

MSA , (DDD) .

.

AKKA . CLOUD-SASS

OpenToolKit(OpenStack) .

- <https://lunasoft.co.kr/home/main/page/company/recruit> -
- <https://blog.happytalk.io/people> -