

Possible with akka

 AKKA System Router L7,Haproxy .

Data Redis ..

Cluster- .

RESTAPI .

? .

API 10 DB API .

NODE1-API , NODE2-API API DB

.

, AKKA .

, .

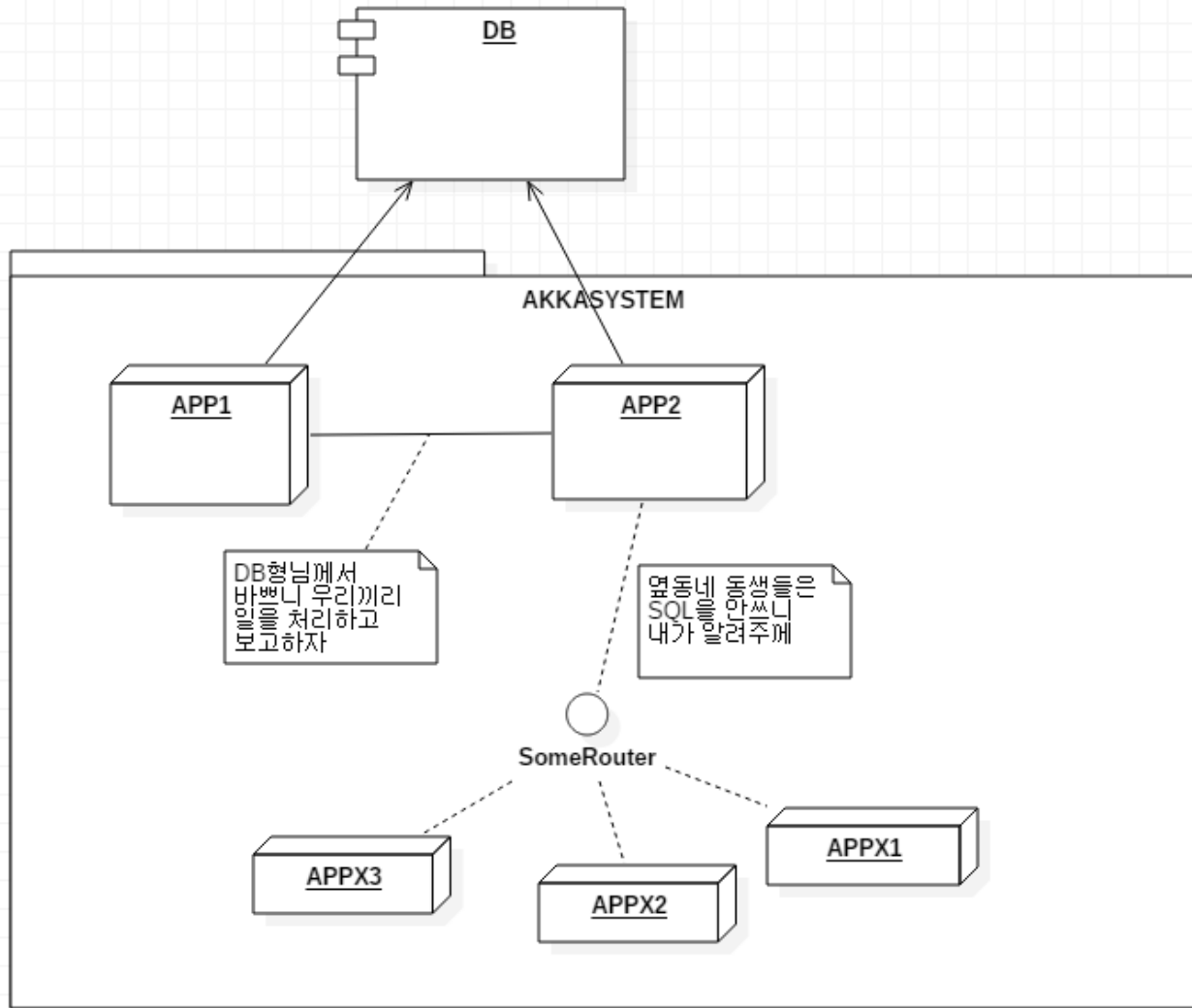
, (/C#) .

KAKA .

AKKA STREAM ,

00 .

AKKA



AKKA SYSTEM? : Actor Node,

API

Rest Model , (/) API .

AKKA / ,

.

AKKA , .

AKKA , .

AKKA , ?

.

[blocked URL](#)

link:<http://www.aaronstannard.com/markedup-akkadotnet/>

(Supervision)

try-catch .

```
try {  
    // ...  
}  
catch {  
    // ...  
}
```

Akka, .

One-For-One Strategy vs. All-For-One Strategy

[blocked URL](#)

c1 , c2

c1 ? ? ? .

[blocked URL](#)

c3 , b3 .. c3

. c3 b3

```
.  
.  
.
```

link : <http://getakka.net/articles/concepts/supervision.html>

BroadCast

[blocked URL](#)

RoundRobin

[blocked URL](#)

Persistence ()

, DATA

```
.
```

Persistence Actor

DB Redis , key base(NO SQL) .

(FSM) , .

: <http://getakka.net/articles/persistence/persistent-fsm.html>

- In-memory journal plugin. - (Data)
- In-memory snapshot store plugin. - ()
- Local file system snapshot store plugin. - (,)

Cluster-sharding

.

- , , .

- DB? ,

, DB AKKA .

: <https://krishnasblog.com/2012/11/11/scalatest-a-mapreduce-using-akka/>

blocked URL

link : <https://petabridge.com/blog/introduction-to-cluster-sharding-akkadotnet/>

()

AKKA .

. , 0

.

AKKA . .

- A: .net , JAVA .
- B: kafka / rabbitmq , .

() .

- A: JAVA . .net WebsocketActor .
C# , JAVA JAVA .
JAVA , C# .
- B : Actor .
- C: ReactiveStream AkkaStream . Alpaaka Akka .

:

- Websocket Actor Websocket (<https://www.playframework.com/documentation/2.6.x/ScalaWebSockets>)
- JAVA JNI JAVA CLR
- JNBridge Actor (<https://jnbridge.com/>)
- (Kafka,RabbitMQ)

Actor Stream :

- kafka - <http://doc.akka.io/docs/akka-stream-kafka/current/home.html>
- rabbitmq - <https://blog.scalac.io/2014/06/23/akka-streams-and-rabbitmq.html>
- Alpakka - <https://doc.akka.io/docs/alpakka/current/index.html>

SCALA (with)

- <https://github.com/psmon/psmonSearch/tree/master/playWordParser>

Akka

Akka AI ,AkkaStream

- <https://towardsdatascience.com/akkordeon-actor-model-of-a-neural-network-ff748096a5a3>
- <https://www.lightbend.com/blog/use-akka-streams-dynamically-controlled-streams>