

Temperature Monitoring System in Big Buildings

Using Actor Model from AKKA

Machine generated alternative text:
Scenario Design Overview 

Machine generated alternative text:
Sensor 
Sensor 
Sensor 
Query 
Update 
data 
Actor 
Actor 
Update 
data 
Actor 
Register 
sensor 
Actor system 

## SOLUTION : Actor Model

Machine generated alternative text:
Supervision Hierarchy 
Floor 
Temperature 
sensor 
Floors 
manager 
Floor 
Temperature 
sensor 
Floor 
Temperature 
Floor query 
sensor 

Machine generated alternative text:
Temperaturesensor 
Sensor id 
Floor id 
Last recorded 
temperature 
Update temperature 
Metadata 
Update temperature 
Temperature Machine generated alternative text:
Temperaturesensor 
Metadata 
Sensor id 
Floor id 
RequestUpdateTemperature 
Last recorded 
Request Id 
temperature 
RespondTemperatureUpdated 
Temperature 
Update temperature 
Reg i ster 

Machine generated alternative text:
Floor 
Floor id 
Sensorld-ActorRef map 
Create temperature 
sensor children 
Supervise children 
Create queries (later) 
Register new sensors 
List sensor IDs 
Terminated 

Machine generated alternative text:
FloorsManager 
Register new sensors 
Floorld-ActorRef map 
List floor IDs 
Terminated 
Create floor children 
Supervise children 

Moving to Cloud


        IoT Device Simulator architectural overview
      