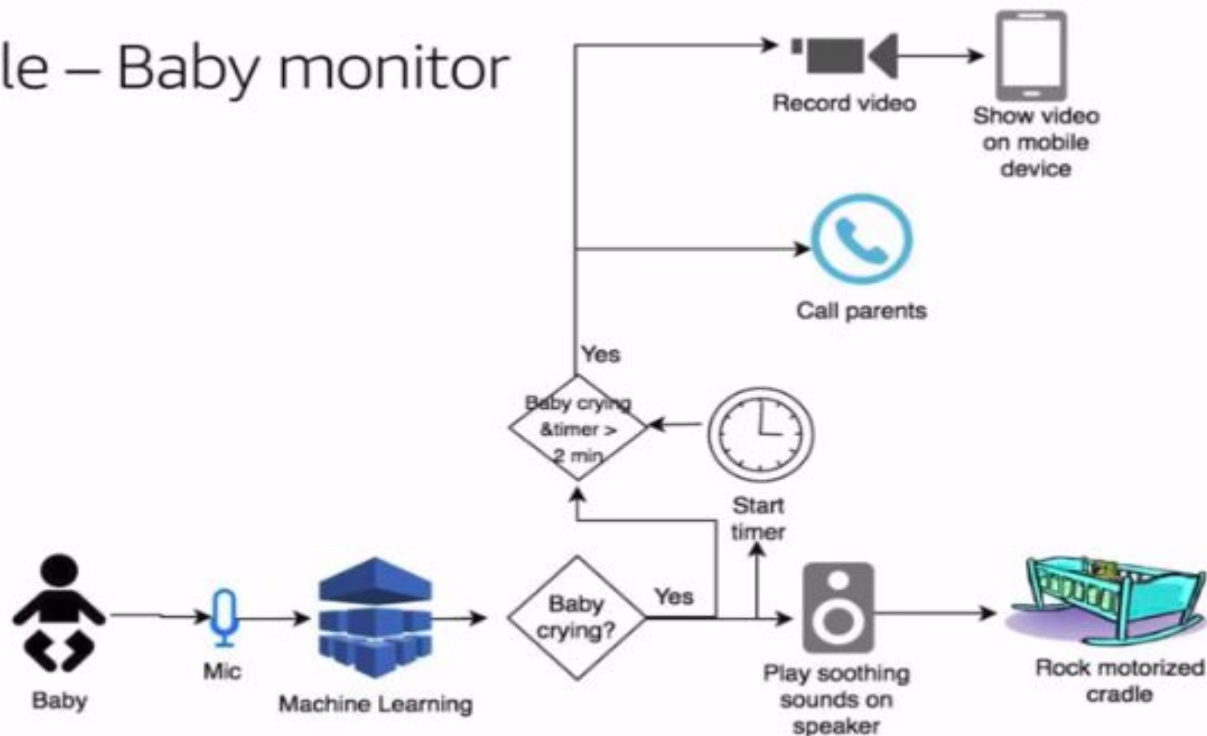


AWS IoT Graph with AWS Greengrass

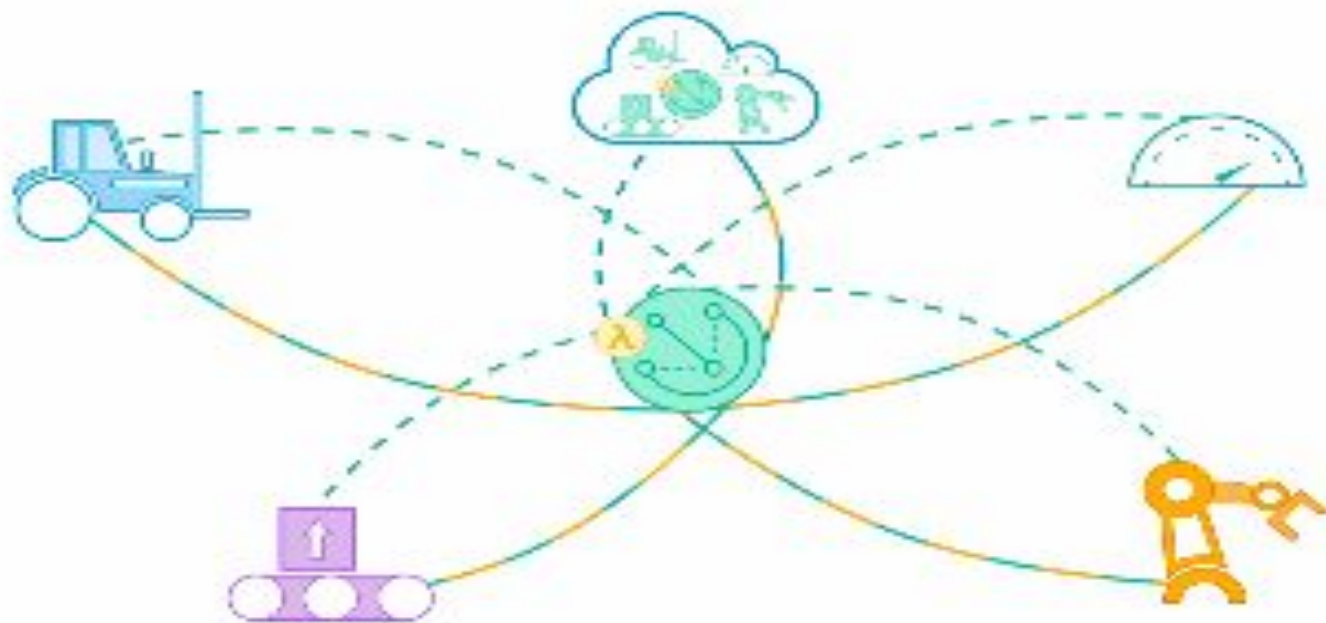
W251 - Cloud News
Rishi

Use Case

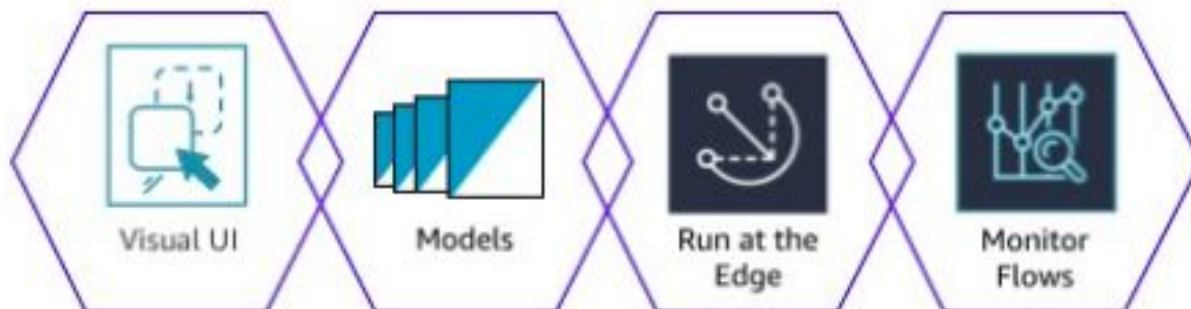
Example – Baby monitor



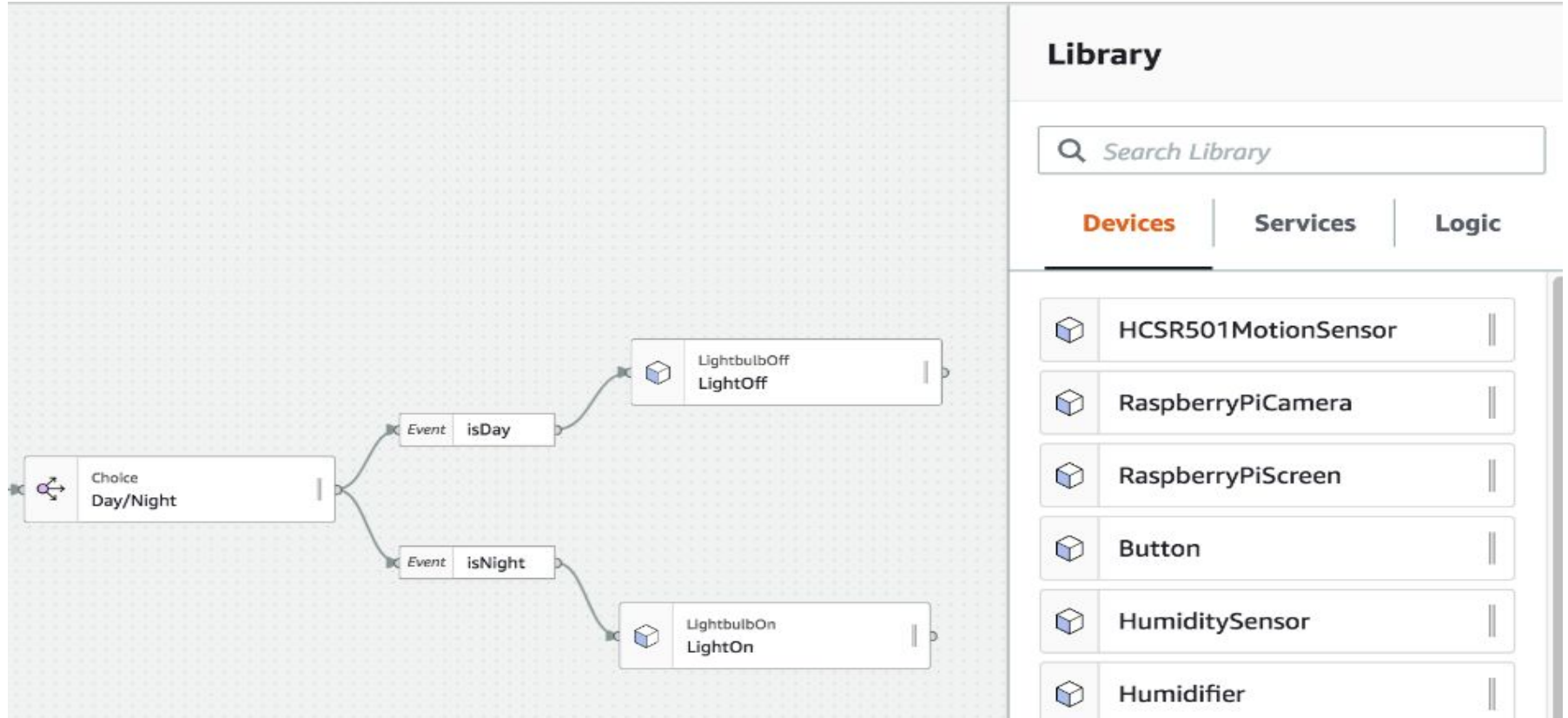
AWS Greengrass



AWS IoT Graph



Workflow

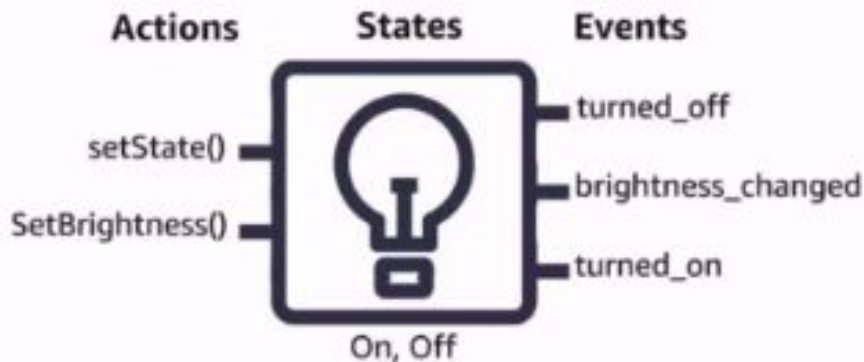


Model

Abstract low level details

Written in GraphQL using
Things Data Model™

Use pre-built models or
build your own

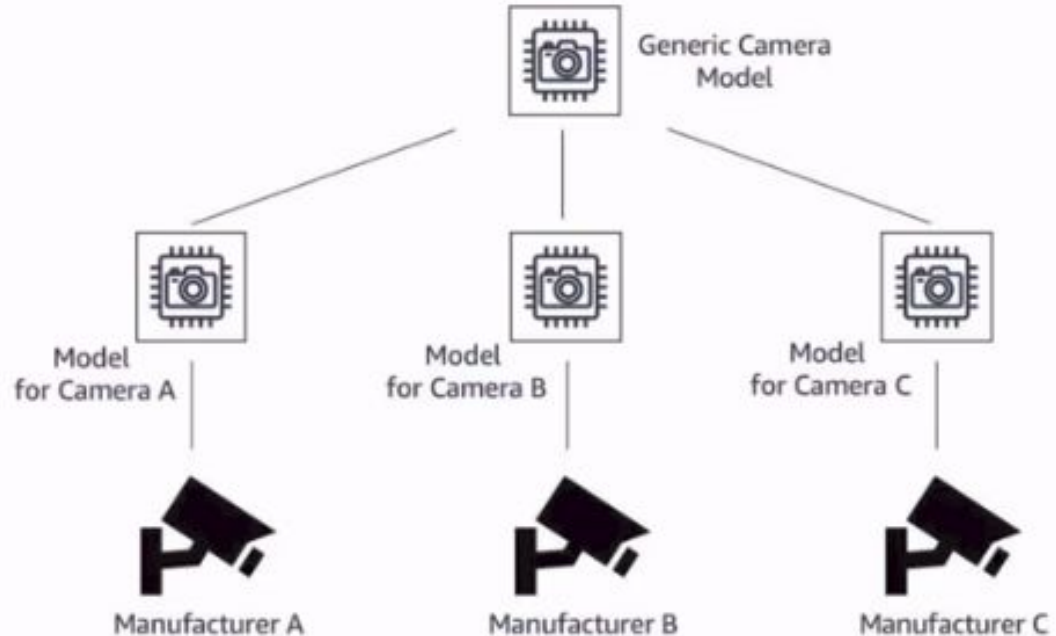


Model (con't)

Use one model to control many devices

Avoid undifferentiated integration effort

Reusable building blocks, can be versioned

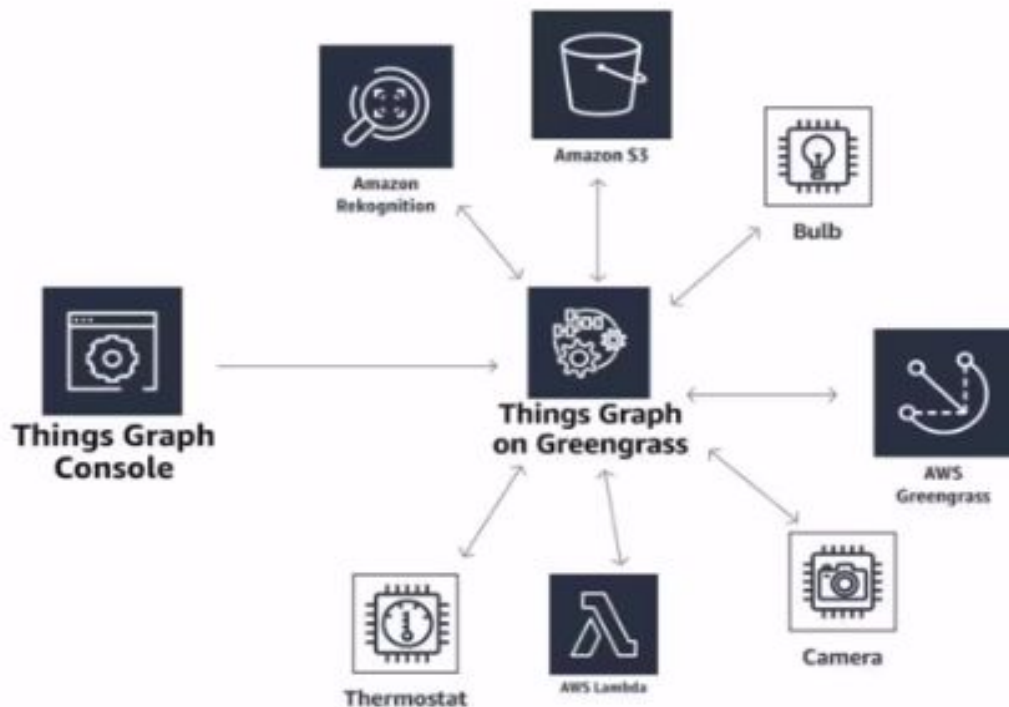


Run at edge

Design in the cloud, run on
AWS Greengrass devices

Orchestrate local devices
and web services like
Amazon Rekognition

Native support for MQTT
and Modbus protocols, with
more added every month



Trigger

```
1 {  
2   DeviceActivity(deviceModel:'urn:tdm:us-west-2/954284049678/default:deviceModel:Camera', deviceId:'myCamera',  
3     out:'CamResponse') {  
4     capture  
5   }  
6  
7 {  
8   DeviceActivity(deviceModel:'urn:tdm:us-west-2/954284049678/default:deviceModel:Screen', deviceId:'myScreen') {  
9     display(imageUrl: "${CamResponse}")  
10  }  
11 }
```

Deployment

Things Graph > Deploy > Configure new flow configuration

Step 1
**Describe flow
configuration**

Step 2
Configure target

Step 3
Map Things

Step 4
Set up triggers

Step 5
Review and create

Describe flow configuration

Flow configuration details

Select flow

Select the flow that will be deployed with real devices.

FrontLightEnergySaving

Name

FrontLightEnergySaving_Configuration

40 characters or less; must start with a letter and may contain only letters, numbers and underscore characters

Tags - optional

Tag this flow configuration with attributes that will make finding it amongst other flow configurations easier.

Enter key

Enter value



Add Tag



Cloud

Flows will run in the cloud



Greengrass

Flows will run on a Greengrass device

Cancel

Next

Questions?