

Wisenture

THE BEAST

**How SAP Leonardo is
empowering animal
wellbeing**

 **accenture**technology





BIOLOGICAL INSIGHT



Biological profile with health indicators

BIO METRICS



Bio measurements (bloodpressure/hearttrate) & GPS location

CUSTOMER EXPERIENCE



Interpret data, display data, user friendly, interactive

Now

.... 100 years



"SUSTAINABLE ENVIRONMENT FOR NOW AND IN THE FUTURE"

NO BISONS

**~ 15.000 visitors
per year**



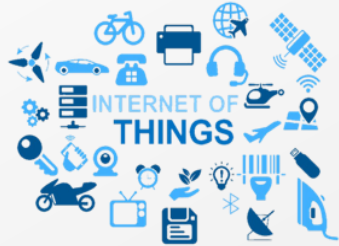
DEMO **UI5 APP &** **SAP** **LEONARDO**

[LINK](#)

THE TECHNOLOGY BEHIND IT



IOT Devices



IOT SENSOR

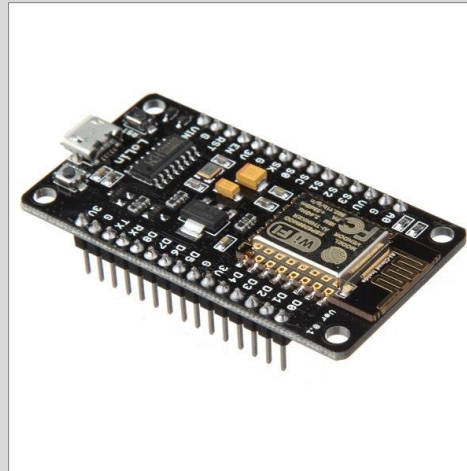
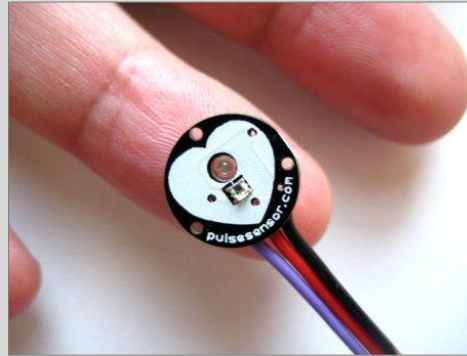
Heartbeat sensor Arduino

IOT MICRO CONTROLLER

Node MCU Lolin

IOT GPS

Android App on mobile



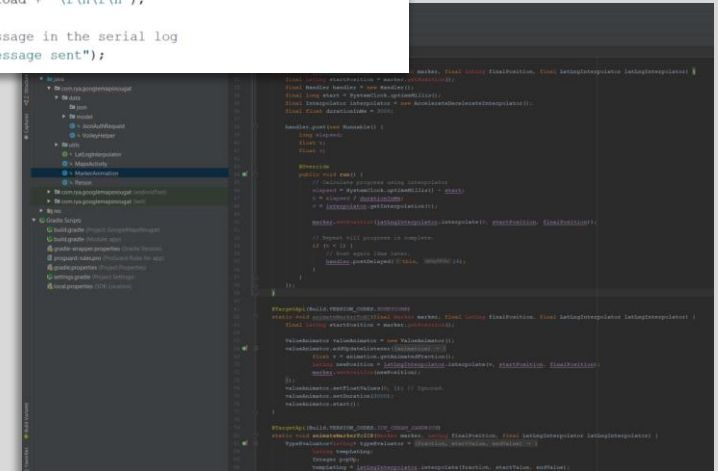
```
At about the beginning of every heartbeat,
report the heart rate and inter-beat-interval.

*/
if (pulseSensor.sawStartOfBeat()) {

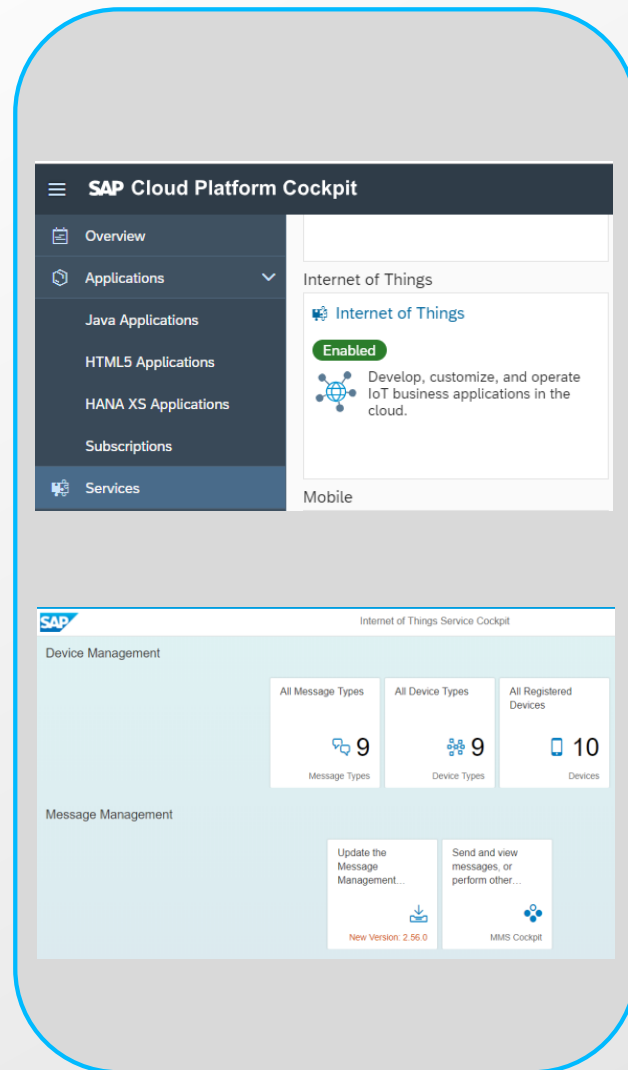
// Set payload with your parameters - you can include more than the 2 s
String sPayload = "{\mode\": \"sync\", \"messageType\": \"\" + sMessageTy
// Connect to SAP cloud
if (client.connect(cHost, iHttpsPort)) {

// Using HTTP/1.0 to send information
Serial.println("Sending request");
client.print(String("POST ") + sUrl + " HTTP/1.0\r\n" +
"Host: " + cHost + "\r\n" +
"Content-Type: application/json;charset=utf-8\r\n" +
"Authorization: Bearer " + sAuthToken + "\r\n" +
"Content-Length: " + sPayload.length() + "\r\n\r\n" +
sPayload + "\r\n\r\n");

// Set success message in the serial log
Serial.println("Message sent");
```



THE TECHNOLOGY BEHIND IT



Push

Back-end



SAP Cloud Platform

IOT MMS

Message Management Service

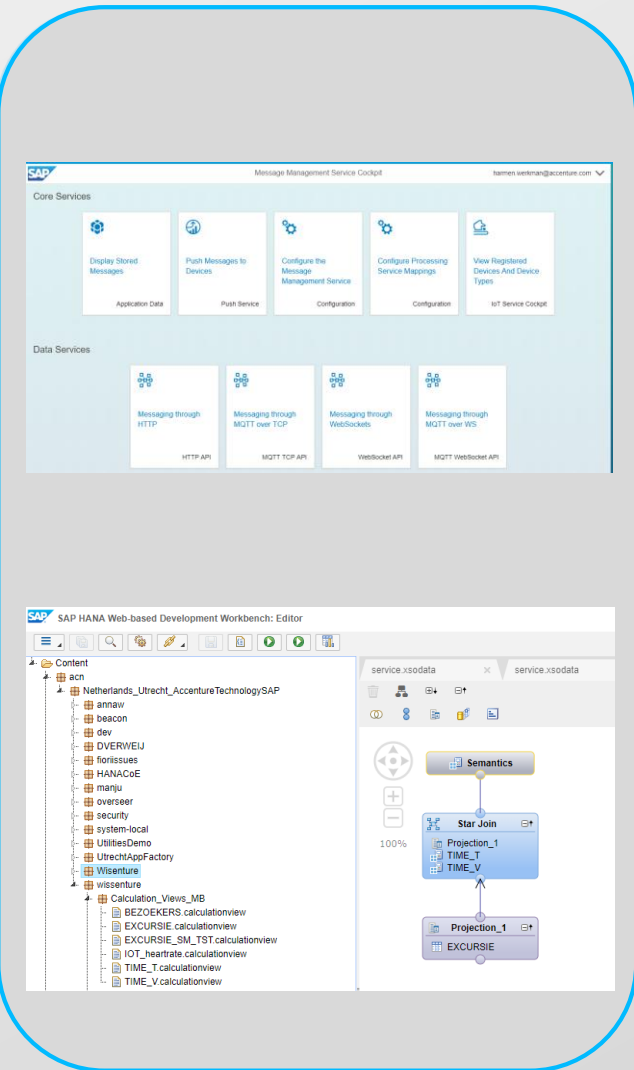
ODATA SERVICE

Automatic generated by IOT MMS

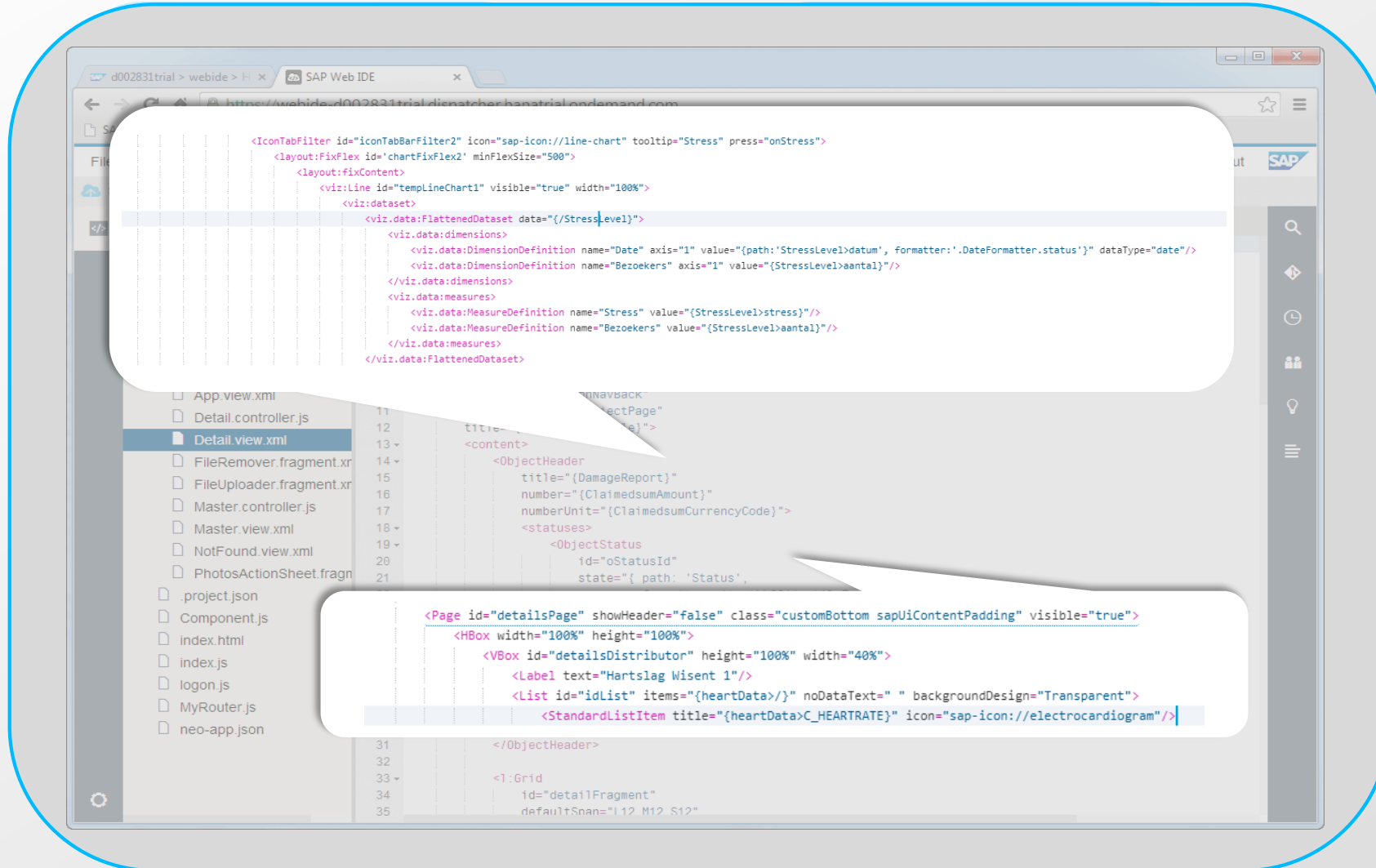
SAP HANA DATABASE

SAP HANA modeler - Web IDE / SAP HANA studio

Pull



THE TECHNOLOGY BEHIND IT



Front-end



SAP Fiori HTML 5

WEB IDE

Develop SAP Fiori and SAPUI5 apps

NATIVE XS ODATA SERVICE

Native service to read analytic calculation views from the Hana DB.

THE ADDED VALUE FOR PWN



LOCATION = VALUE

Realtime Bio Info





REALTIME BISON BIO PROFILE ON EACH DEVICE FOR THE FOREST RANGERS

- Heartbeat 
- Temperature
- Bloodpressure
- Stresslevel 
- Medication
- Rumination
- Track health

Customer info




REALTIME PARK VISITORS INFO

- GPS location 
- Visitor info 
- Data-analytics
- Predictive models

Social / welfare



STEER ON DATA

- Push relevant (close-by) 
- Gather recreational needs
- Manage visitors
- PWN image/brand
- High quality park
- Inform ecologists
- Inform / help other Park Operators



THE BEAST

SUMMARY

PWN CASE

Biological insight in animal wellbeing

Transform data into actual value

Improve customer experience with NEW Technology

DEMO

Combination of SAP UI5 and ANDROID APPS

THE TECHNOLOGY BEHIND IT

IOT Sensor and Micro controller

SAP Cloud Platform - SAP Leonardo

SAP UI5 and ANDROID

ADDED VALUE FOR PWN

Heartbeat, Stress level, GPS location, Visitor Info

Data-analytics and Steer on Data.

CONTACT INFO

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