



SULTAN IDRIS EDUCATION UNIVERSITY

UNIVERSITI  
PENDIDIKAN  
SULTAN IDRIS  
اونيورسيتي قنديديقن سلطان ادريس

A NEW  
CREATIVE  
VISION

Manifesting Collaborative Creativity



**MKN 2013: INTERNET BENDA / *INTERNET OF THINGS (IOT)***

**SESI PENGAJIAN: SEMESTER 1 (2022/2023)**

**KUMPULAN KULIAH MKN 2013: A**

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***(EXERCISE WEEK 4)***

***IOT PLATFORM SOLUTION***

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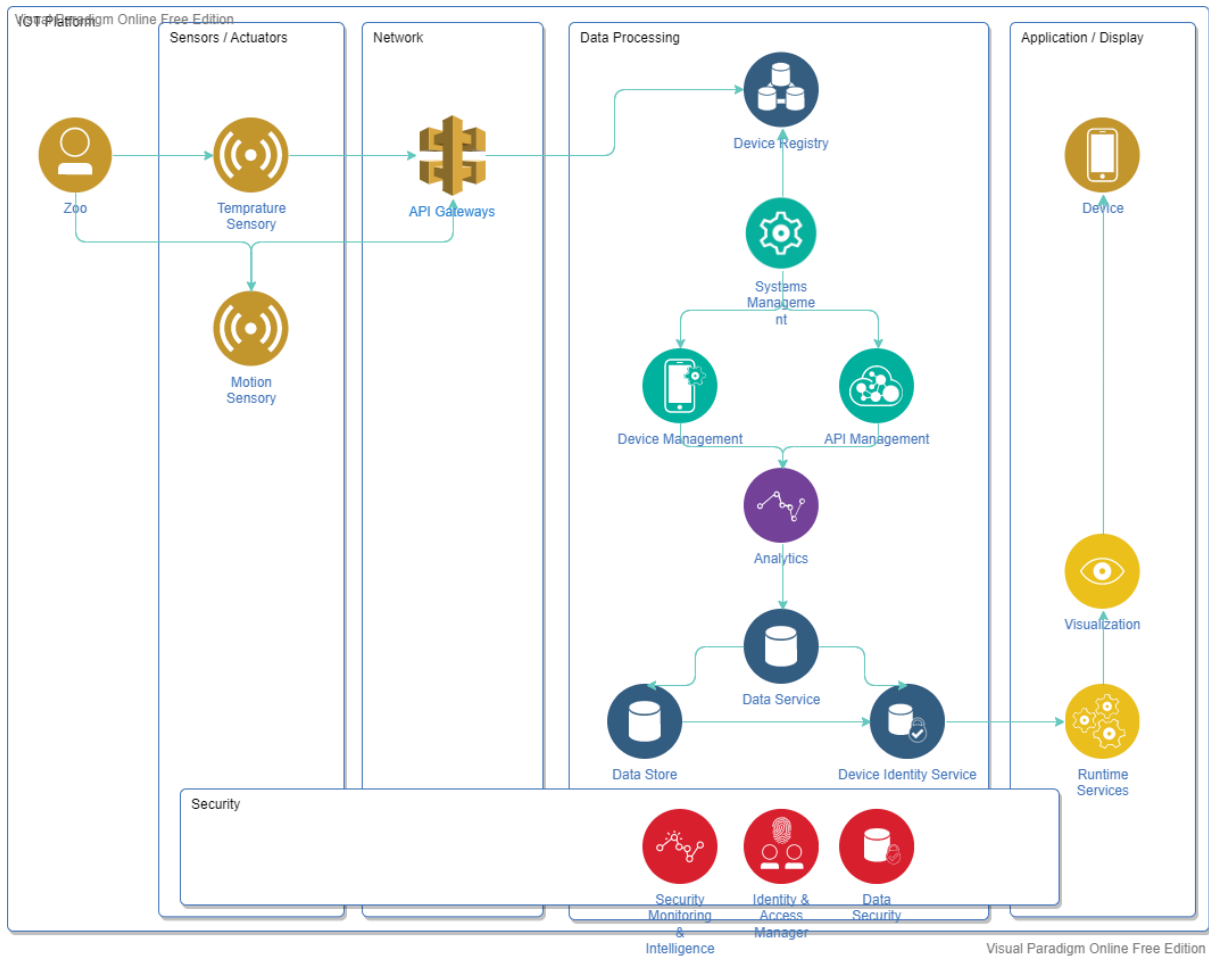


NAMA	NO MATRIC	NO. HP	PROGRAM
MOHD IZZUL IKHWAN BIN MOHD YUSOF	D20201095609	0197818481	AT20 - IJAZAH SARJANA MUDA PENDIDIKAN (TEKNOLOGI MAKLUMAT)

**NAMA PENSYARAH: DR. OKTA NURIKA**

1. Create an IOT platform solution for a zoo.

- What sensors are required?
  - i. Temperature Sensory
  - ii. Motion Sensory
- Draw the IOT platform diagram using Online Visual

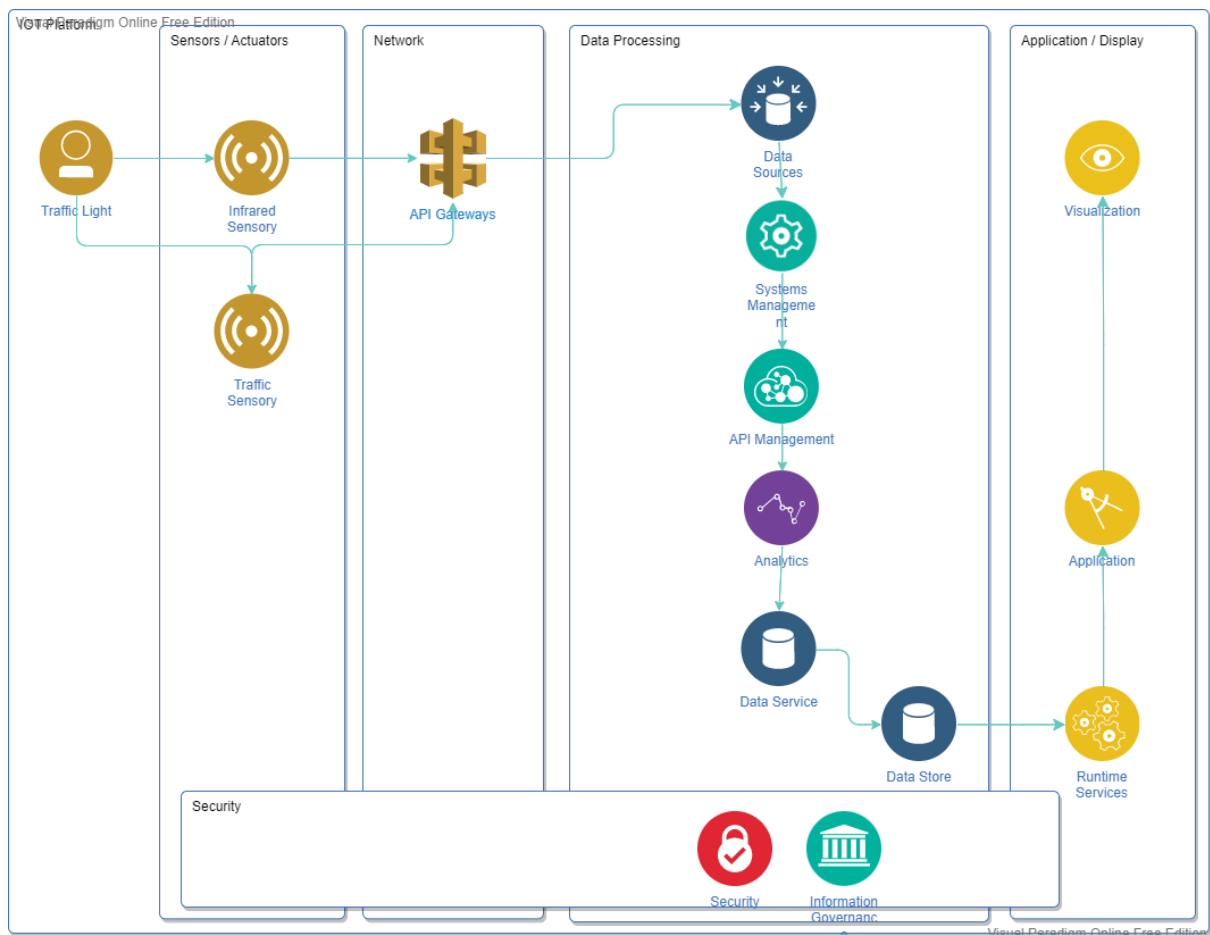


- What are the conclusions that can be generated by this solution?

The zoo keeper will be able to monitor all the animals in the zoo with the aid of this technology. Among its numerous advantages are that it can make zookeepers' jobs easier, that the animals are always under check, and—most importantly—that the general public who visits the zoo is always safe.

## 2. Create an IOT platform solution for traffic lights junction.

- What sensors are required?
  - i. Infrared Sensory
  - ii. Traffic Sensory
- Draw the IOT platform diagram using Online Visual



- What are the conclusions that can be generated by this solution?

This solution will be more effective, particularly on the road. Because of the more effective traffic lights provided by this system, there will undoubtedly be fewer traffic accidents. Not only that, but there won't be any traffic congestion, and the route will appear more orderly.