# IoT challenges

## State of the art

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1. Good morning every one, ladies and gentlemen, distinguished guests and supervisors.
   - Thank you all for your presence.
   - ...
2. My name is DJOUDI Aghiles
   - I am a Phd student at Paris-est university and particularly at ESIEE school.
   - ...
3. My talk is gonna be on ...

# Outline

# Context

## Introduction

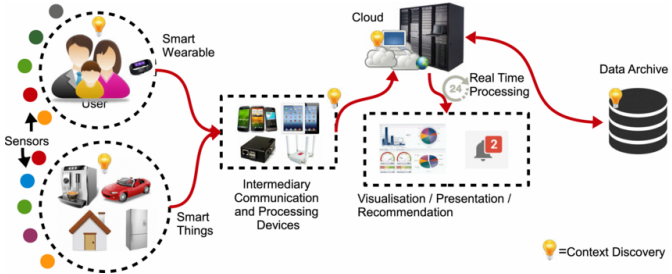


Figure 1: The IoT platform.

1. [1] Connect sensors to the gateway[1].
2. Connect the gateway to the infrastructure.
3. Store & Analyze sensors data[2].

[1] Musa Ndiaye, Gerhard Hancke, and Adnan Abu-Mahfouz. " Software Defined Networking for Improved Wireless Sensor Network Management: A Survey ". In: 17.5 (May 4, 2017). 00053, p. 1031.

[2] Pascal Thubert, Maria Rita Palattella, and Thomas Engel. " 6TiSCH Centralized Scheduling: When SDN Meet IoT ". In: *2015 IEEE Conference on Standards for Communications and Networking (CSCN)*. 2015 IEEE Conference on Standards for Communications and Networking (CSCN). 00033. Tokyo, Japan: Oct. 2015, pp. 42–47.

# Problematic

## Where is the problem ?

1. Heterogeneity
2. QoS
3. Security

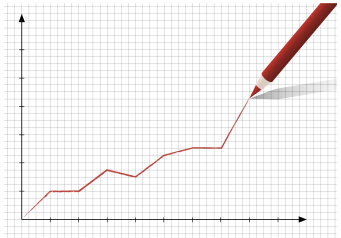

Figure 2: tets.

# Motivations

## Why should we fix these problems ?

1.
2. QoS Analysis
3. Threats

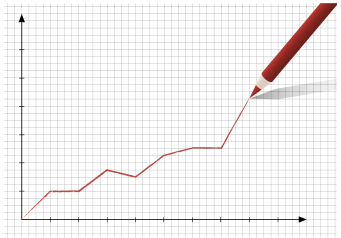

Figure 3: tets.

# Goals

specific, measurable, achievable, réalistic, for 3 years ?

1. Allow heterogeneous network to communicate
2. QoS Analysis
3. Threats

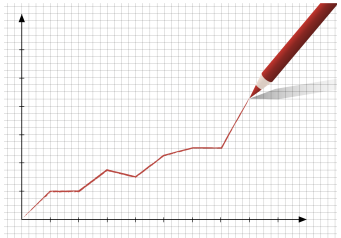

Figure 4: tets.

# Challenges

## Where is the difficulty ?

1. Challenge 1
2. Challenge 2
3. Challenge 3

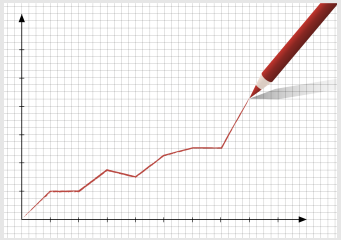

Figure 5: tets.

# Contributions

## How could be addressed ?

1. Contribution 1
2. Contribution 2
3. Contribution 3

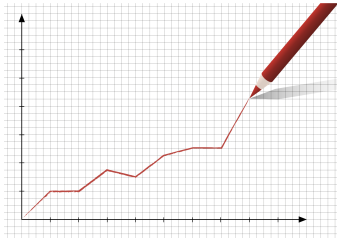

Figure 6: tets.

# Outline

# Outline

# Outline

# Related work

## Comparison

| Paper | A1 | A2 | A3 | A4 |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Table 1: An example table.

# Related work

## Comparison

| Paper | A1 | A2 | A3 | A4 |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Table 2: An example table.

# Outline

# ... (step 1)

## Methods

# ... (step 2)

## Methods

# ... (step 3)

## Methods

# ... (step 4)

## Methods

# Results

## Comparison

| | | | | |
|---|---|---|---|---|
| | | | | |
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Table 3

# Outline

# Experimentation

## Experimentation

- a
- b

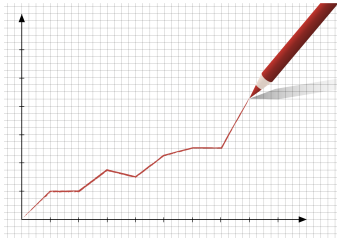

Figure 7: .

# Outline

# Results

## Comparison

- a
- b

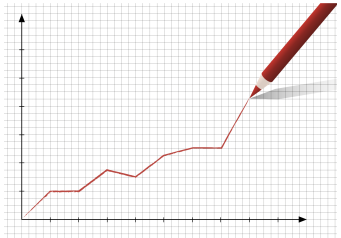

Figure 8: .

# Outline

# Conclusion

- a
- b

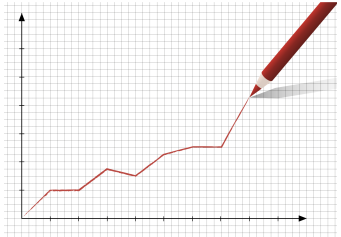

Figure 9: .

# Outline

# Outline

# Related work

## Comparison

| Paper | A1 | A2 | A3 | A4 |
|---|---|---|---|---|
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Table 4: An example table.

# Related work

## Comparison

| Paper | A1 | A2 | A3 | A4 |
|---|---|---|---|---|
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Table 5: An example table.

# Outline

# ... (step 1)

## Methods

# ... (step 2)

## Methods

# ... (step 3)

## Methods

# ... (step 4)

## Methods

# Results

## Comparison

| | | | | |
|---|---|---|---|---|
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Table 6

# Outline

# Experimentation

## Experimentation

- a
- b

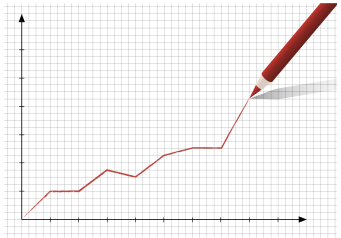

Figure 10: .

# Outline

# Results

## Comparison

- a
- b

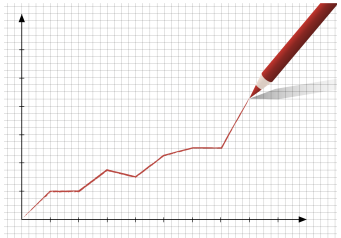

Figure 11: .

# Outline

# Conclusion

- a
- b

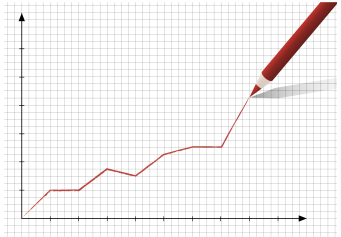

Figure 12: .

# Outline

# Outline

# Related work

## Comparison

| Paper | A1 | A2 | A3 | A4 |
|---|---|---|---|---|
| | | | | |
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Table 7: An example table.

# Related work

## Comparison

| Paper | A1 | A2 | A3 | A4 |
|---|---|---|---|---|
| | | | | |
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Table 8: An example table.

# Outline

# ... (step 1)

## Methods

# ... (step 2)

## Methods

# ... (step 3)

## Methods

# ... (step 4)

## Methods

# Results

## Comparison

Table 9

# Outline



1. Related work
2. Contagion process
3. Experimentation
4. Results exploitation
5. Conclusion

# Experimentation

## Experimentation

- a
- b

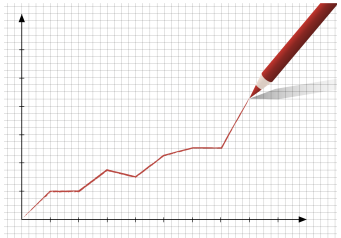

Figure 13: .

# Outline

# Results

## Comparison

- a
- b

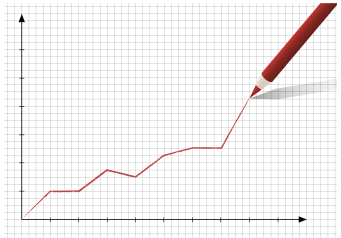

Figure 14: .

# Outline

# Conclusion

- a
- b

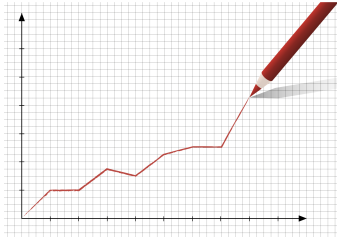

Figure 15: .

# Outline

# Conclusion

Our main goal was

- 
- 

Our main contribution was

- 
- 

Our main results was

- 
- 

# Future Challenges

## Conclusion

Our future goal was

- 
- 

Our future goal was

Thank you !

# References


[1] Musa Ndiaye, Gerhard Hancke, and Adnan Abu-Mahfouz. " Software Defined Networking for Improved Wireless Sensor Network Management: A Survey ". In: 17.5 (May 4, 2017). 00053, p. 1031 (p. 4).

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