

# 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

- 1. Introduction
- 2. First contribution
- 3. Second contribution
- 4. Third contribution
- 5. Conclusion

# Context

## Introduction

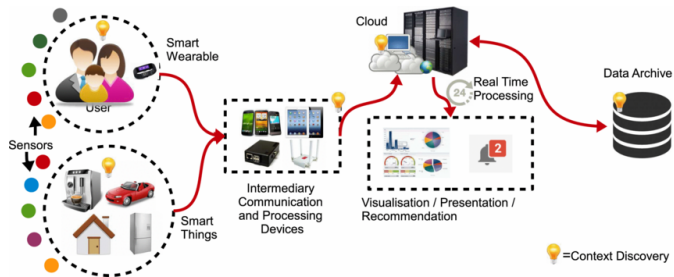


Figure 1: The IoT platform.

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 ?

➡ How to select the **best** access point

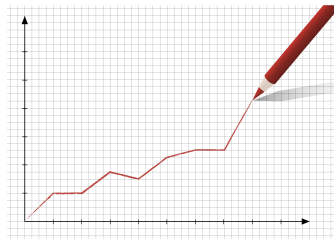


Figure 2: tets.

# Motivations

Why should we fix these problems ?

- 1.
2. QoS Analysis
3. Threats

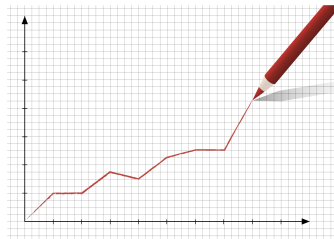


Figure 3: tets.

# Goals

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

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

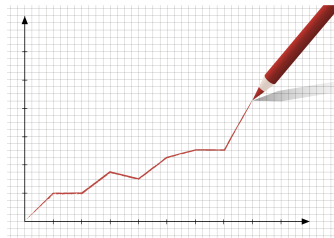


Figure 4: tets.

# Challenges

Where is the difficulty ?

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

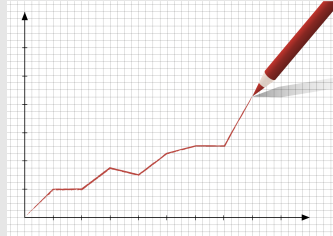


Figure 5: tets.

# Contributions

How could be addressed ?

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

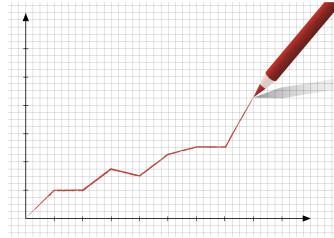


Figure 6: tets.



# Outline

- 1. Introduction
- 2. First contribution
- 3. Second contribution
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# Outline

- 1. Introduction
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  - 1. Related work
  - 2. Contagion process
  - 3. Experimentation
  - 4. Results exploitation
  - 5. Conclusion
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Paper	A1	A2	A3	A4

Table 1: An example table.

Paper	A1	A2	A3	A4

Table 2: An example table.

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... (step 1)

Methods



... (step 2)

Methods





... (step 3)

Methods



... (step 4)

Methods



# Results

Comparison


Table 3

# Outline

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# Experimentation

Experimentation

➡ a

➡ b

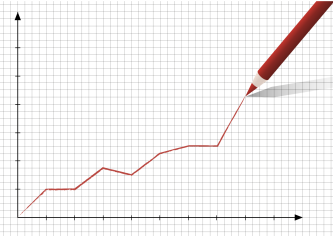


Figure 7: .

# Outline

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➡ a  
➡ b

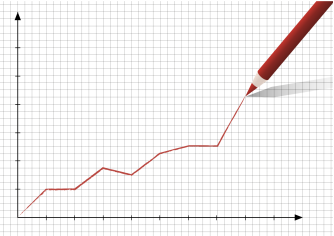


Figure 8: .

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# Conclusion

➡ a

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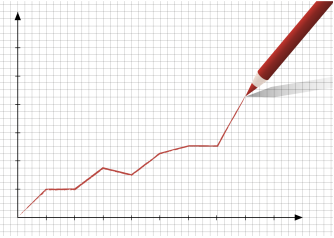


Figure 9: .

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Table 4: An example table.

# Related work

Comparison

Paper	A1	A2	A3	A4

Table 5: An example table.

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... (step 1)

Methods



... (step 2)

Methods





... (step 3)

Methods



... (step 4)

Methods




Table 6

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# Experimentation

Experimentation

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➡ b

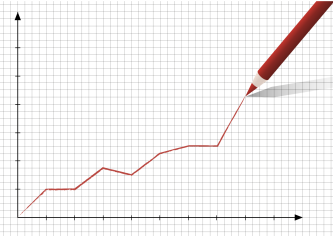


Figure 10: .

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➡ a  
➡ b

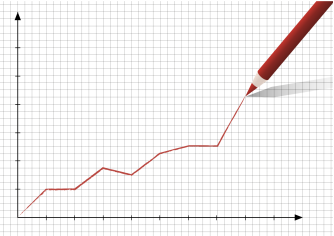


Figure 11: .

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# Conclusion

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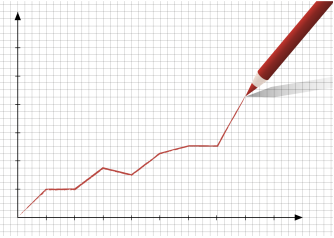


Figure 12: .

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Table 7: An example table.

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... (step 1)

Methods



... (step 2)

Methods





... (step 3)

Methods



... (step 4)

Methods




Table 9

# Outline

1. Introduction

2. First contribution

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# Experimentation

Experimentation

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➡ b

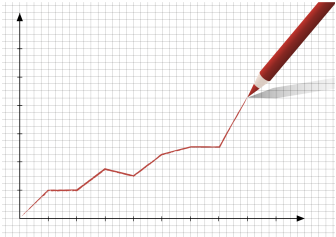


Figure 13: .

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➡ b

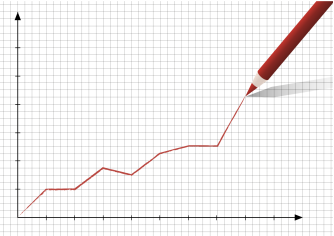


Figure 14: .

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# Conclusion

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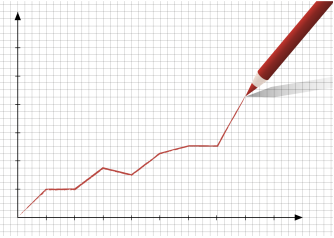


Figure 15: .

# Outline

- 1. Introduction
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# Conclusion

Our main goal was



Our main contribution was



Our main results was



# Future Challenges

Conclusion

Our future goal was



# Future Challenges

Conclusion

Our future goal was



Thank you !

# References

[1] Musa Ndiaye, Gerhard Hancke, and Adnan Abu-Mahtouz. " 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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