IoT challenges

State of the art

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Outline

Context

Introduction

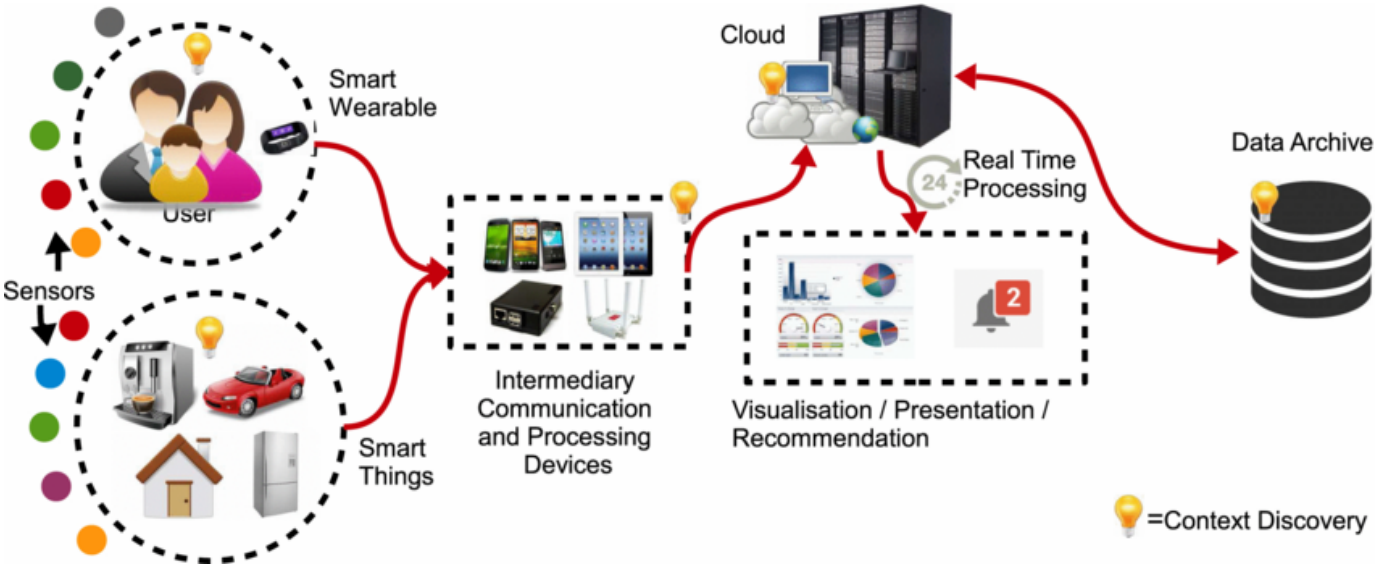

Figure 1: The IoT platform.

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 ?

- lake of quantitative tools
- How to select the **best** access point

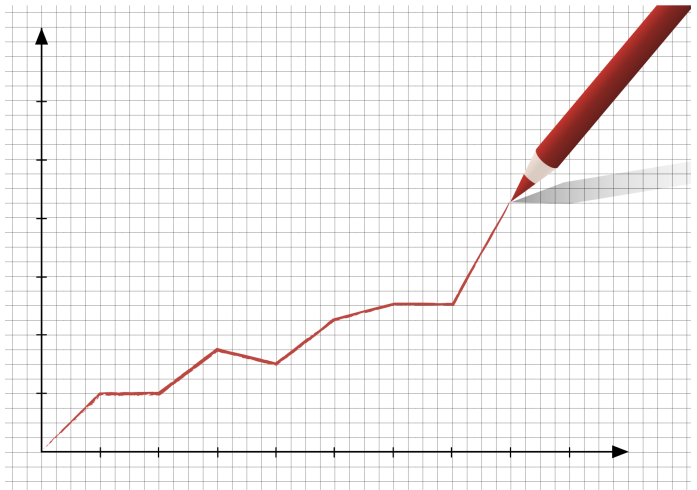

Figure 2: tets.

Motivations

Why should we fix these problems ?

1.
2. QoS Analysis
3. Threats

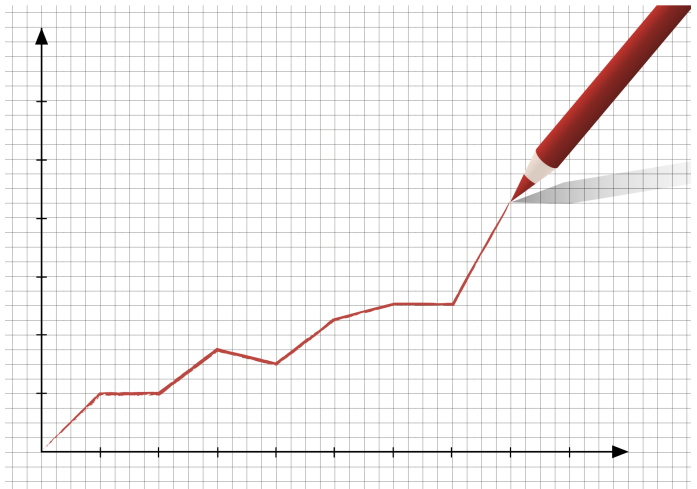

Figure 3: tets.

Goals

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

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

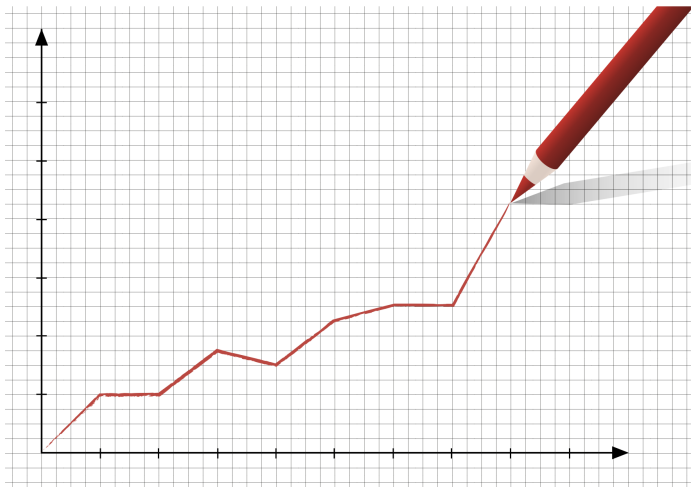

Figure 4: tets.

Challenges

Where is the difficulty ?

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

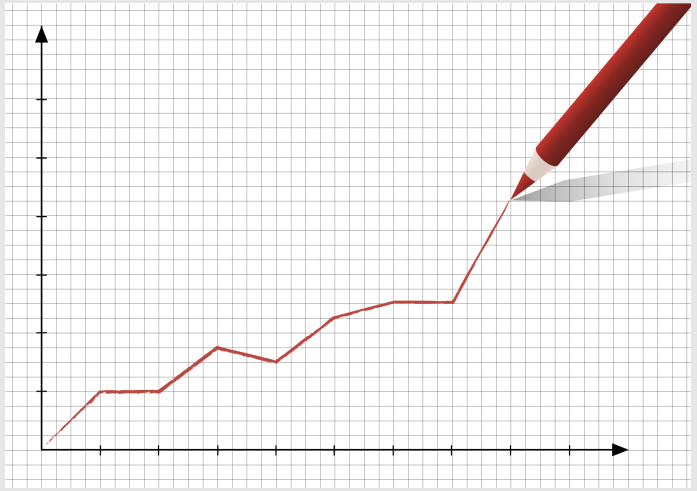

Figure 5: tets.

Contributions

How could be addressed ?

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

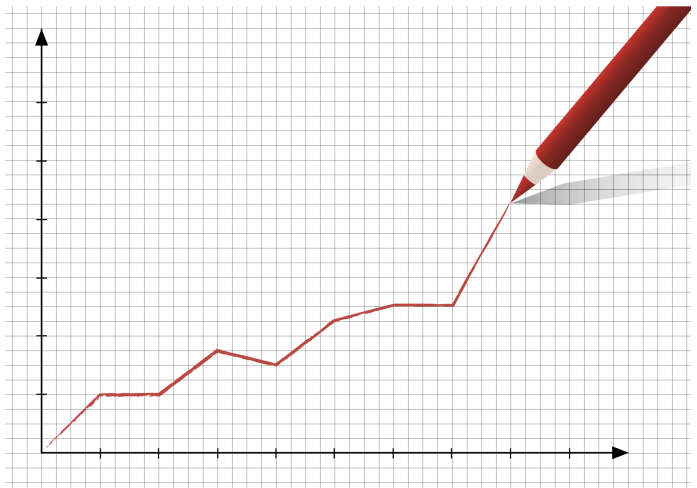

Figure 6: tets.

Outline

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

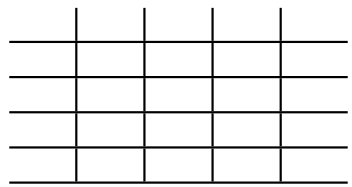

Table 3

Outline

Experimentation

Experimentation

- a
- b

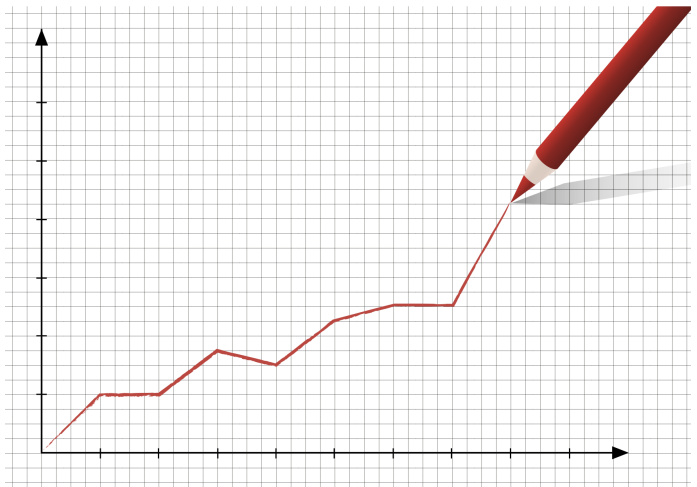

Figure 7: .

Outline

Results

Comparison

- a
- b

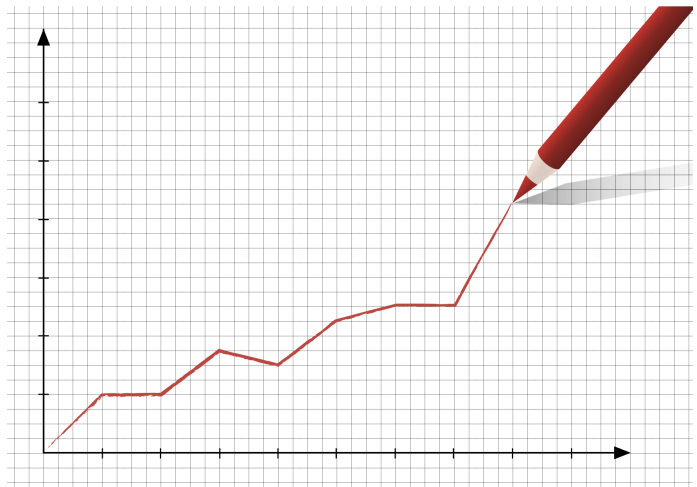

Figure 8: .

Outline

Conclusion

- a
- b

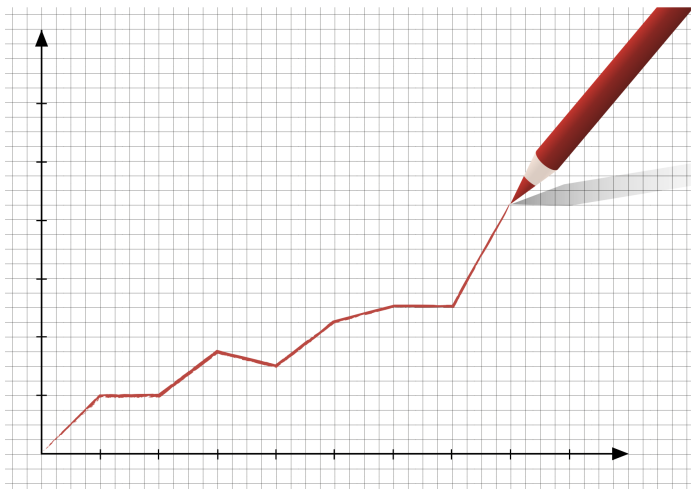

Figure 9: .

Outline

Outline

Related work

Comparison

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Table 4: An example table.

Related work

Comparison

Paper	A1	A2	A3	A4

Table 5: An example table.

Outline

... (step 1)

Methods

... (step 2)

Methods

... (step 3)

Methods

... (step 4)

Methods

Results

Comparison

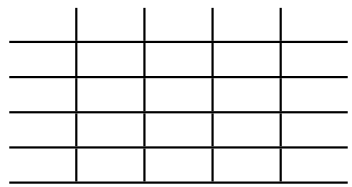

Table 6

Outline

Experimentation

Experimentation

- a
- b

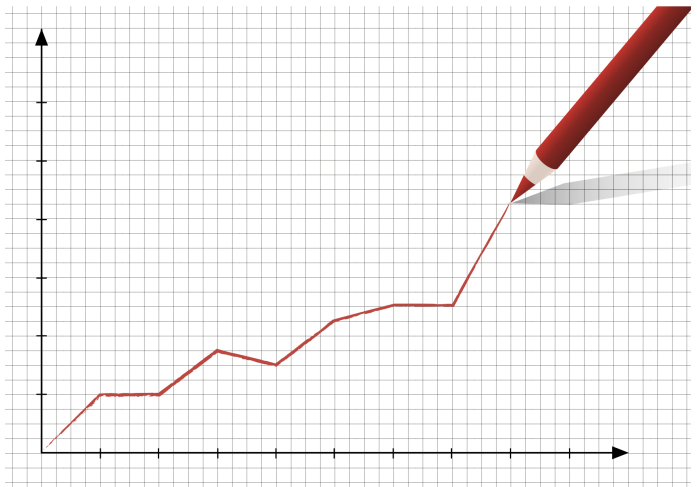

Figure 10: .

Outline

Results

Comparison

- a
- b

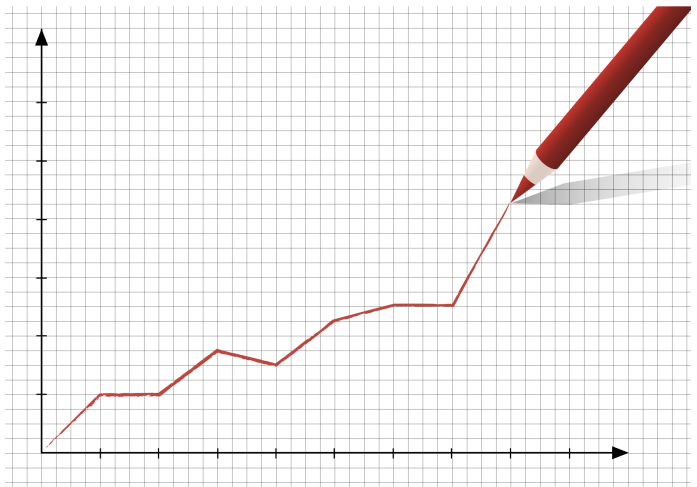

Figure 11: .

Outline

Conclusion

- a
- b

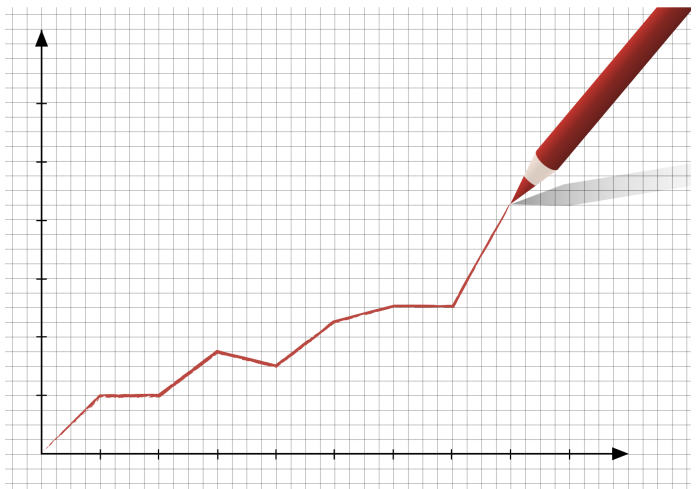

Figure 12: .

Outline

Outline

Related work

Comparison

Paper	A1	A2	A3	A4

Table 7: An example table.

Related work

Comparison

Paper	A1	A2	A3	A4

Table 8: An example table.

Outline

... (step 1)

Methods

... (step 2)

Methods

... (step 3)

Methods

... (step 4)

Methods

Results

Comparison

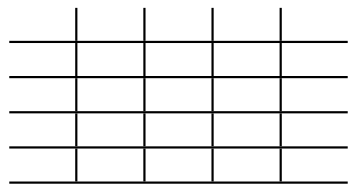

Table 9

Outline

Experimentation

Experimentation

- a
- b

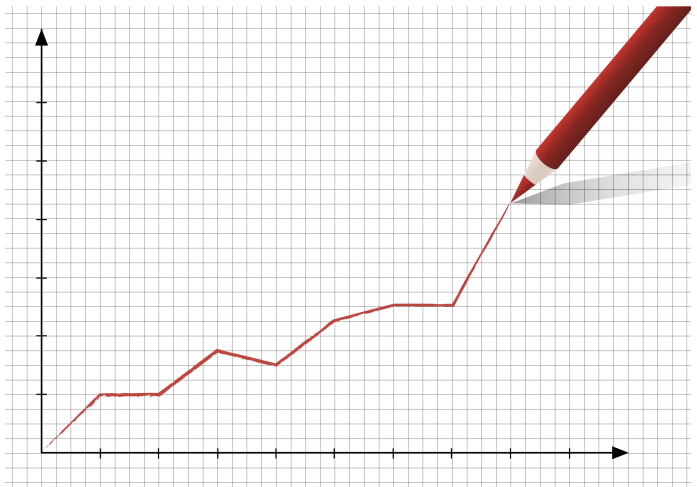

Figure 13: .

Outline

Results

Comparison

- a
- b

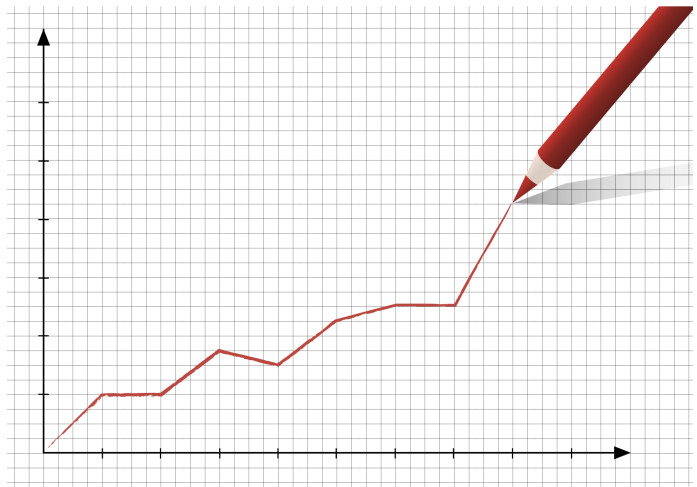

Figure 14: .

Outline

Conclusion

- a
- b

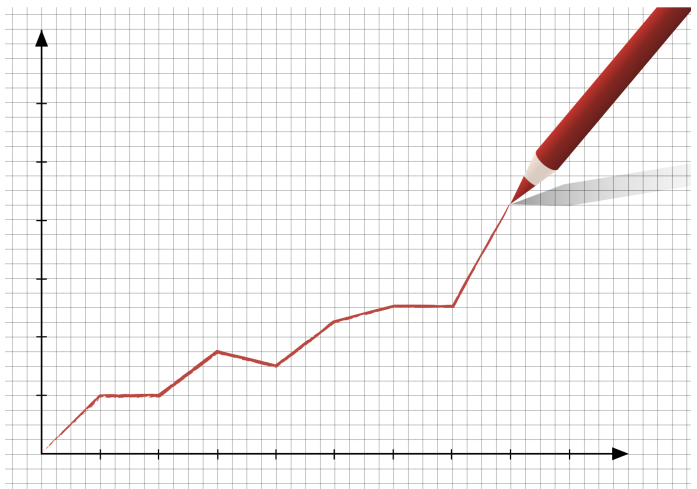

Figure 15: .

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. 3).

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