## Sniff Hynesim

### IETA RIGAUD Michaël

ENSTA Bretagne

13 mars 2017



1 Introduction

Introduction





### Introduction

Introduction







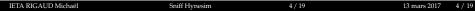
Results

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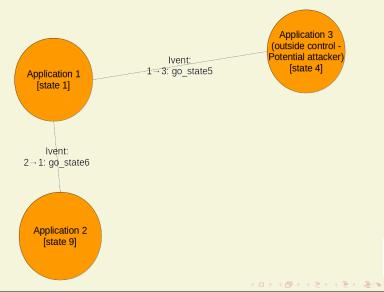
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- 2 Presentation of the project Aim of the project Technical choices Organization





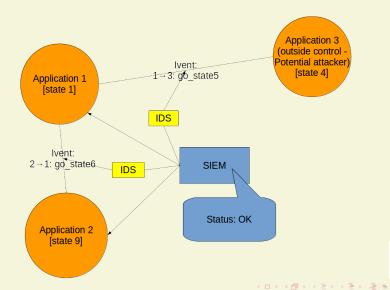
# Aim of the project





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### Technical choices





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## Organization



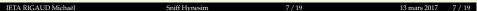




FIGURE - Github

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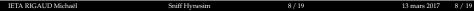




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- 3 Technical contribution Installation Application Detection system





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### Installation

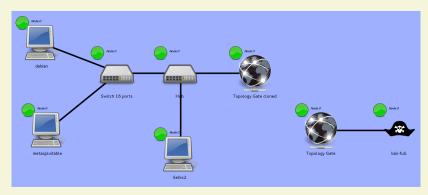
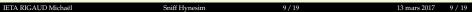
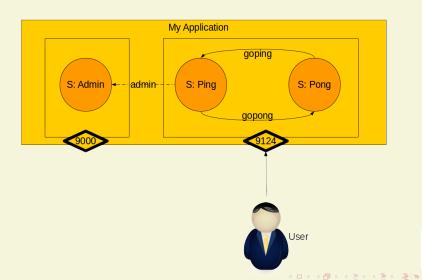


FIGURE - Network installed





# Application



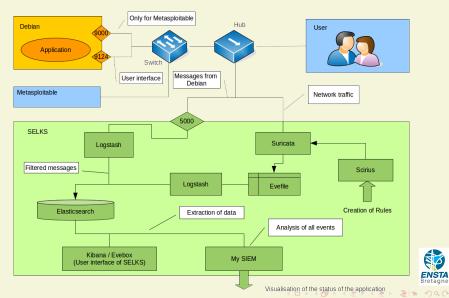


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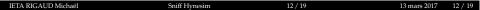
# Detection system



### Sommaire

- Introduction
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- 3 Technical contribution
- Results
  ResultsWay of improvements
- **6** Conclusion





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## Results



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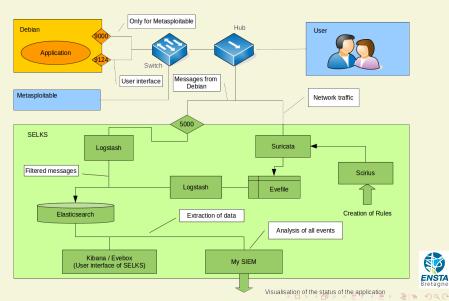
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### Conclusion



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### Demonstration





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# Bibliography

Introduction

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# Questions?





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#### Definition 6.1: IDS

An intrusion detection system (IDS) inspects all inbound and outbound network activity and identifies suspicious patterns that may indicate a network or system attack from someone attempting to break into or compromise a system.



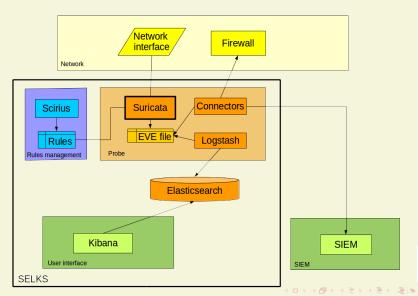
### **SIEM**

#### Definition 6.2: SIEM

In the field of computer security, security information and event management (SIEM) software products and services combine security information management (SIM) and security event management (SEM). They provide real-time analysis of security alerts generated by network hardware and applications.

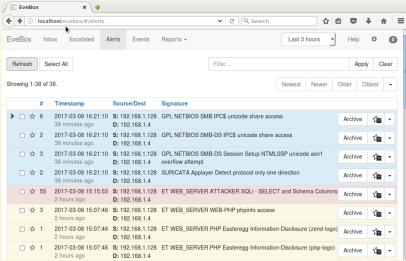


## **SELKS**





### Evebox





### Kibana





### IDS rules

```
alert tcp any any -> any 9124 (msg: "Action_goping"; \
content: "goping"; sid:501; rev:5000;)

alert tcp any any -> any 9124 (msg: "Action_gopong"; \
content: "gopong"; sid:502; rev:5001;)

alert tcp any any -> any 9000 (msg: "Connexion_vers_l_interface_admin"; \
flow:established,to_server sid:504; rev:5002;)
```



# SIEM: Application probe

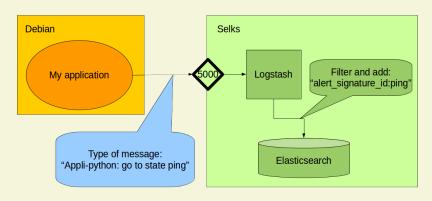


FIGURE - Data processing



## SIEM: Implementation

FIGURE - My SIEM



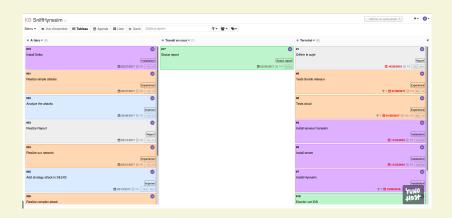
### Kanban: Definition

#### Definition 6.3: Kanhan

Kanban is a new technique for managing a software development process in a highly efficient way. Kanban underpins Toyota's "just-intime" (JIT) production system. The kanban system consists of a big board on the wall with cards or sticky notes placed in columns with numbers at the top



### Kanban: kanboard



https://mic-rigaud.fr/kanboard/?controller=
BoardViewController&action=readonly&token=
10ea65eca908023dbcd8bc8dce75791c7a14d67912627dafaa5b