

Restoring peace in Peaceland

A scalable Big Data
project to help citizen
to find harmony

Problematics

1. What technical constraints must the architecture meet? Which components should be used?
2. What business constraints must the architecture satisfy? Which components should be used?
3. How to explain the failed attempt?
4. What information should be added to the drone report to meet future needs?

1. Technical constraints

- Large amount of data to store: 73 Tb/year
- Quick access to this data (especially for alerts)
- Different types of data

2. Business constraints

- Ability to assign alerts to the nearest available PeaceMakers
 - Adapt alert threshold according to the number of available PeaceMakers
 - Reduce costs
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- Use streams to fluidify data processing
 - Web UI for PeaceMakers

3. Failed attempt

- Lack of precision on business & technical constraints
- Probably a not scalable solution

4. Improvements

- Study PeaceScore evolution to better target & prevent interventions
- Evaluate PeaceScore with other observations : social networks comments, ... etc.

5. Proposed architecture

