Monitoring JAVA Application Servers
Aimilios Tsouvelekakis, Artur Wiecek, Luis Rodríguez Fernández, Viktor Kozlovsky

Introduction
- Introduce a platform for effective JAVA application monitoring used by different CERN communities.

Deliverables
- Ability to locate errors quickly
- Flexible dashboards
- Immediate feedback

Challenges
- System scalability
- Historical data collecting
- Diversity of sources
- Community separation
- Application logging standardization

Pros & Cons

Dashboard Analysis
- Conveniences
  - Data drill down
  - Dedicated dashboards
  - Collective overview
- Inconveniences
  - Dashboard load time depends on the amount of data
  - Only stored data

Log Analysis
- Conveniences
  - Post analysis processing
- Inconveniences
  - Data filtering
  - Access control
  - Individual cases

Cloud Monitoring
- Conveniences
  - Forecastable costs
  - High availability
  - Data drill down
  - Dedicated dashboards
  - Collective overview
- Inconveniences
  - Internet connection
  - Data privacy

Live Monitoring
- Conveniences
  - Control & awareness
  - Easy access rules
  - Application profiling
  - Connect with client tools
- Inconveniences
  - Set up & configuration

Future Evaluation
- Instance behavior tracking (flight recording)
- Kubernetes cluster monitoring

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