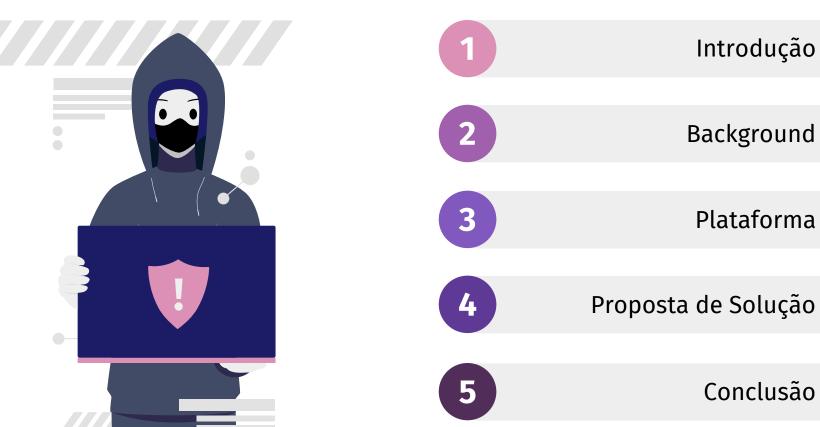




# Security in SmartEmotion Platform

Carla Mendes - 2220663 Carlos Costa - 2220662 Rafael Pereira - 2220659

### **Tabela de Conteúdos**



# 1. Introdução



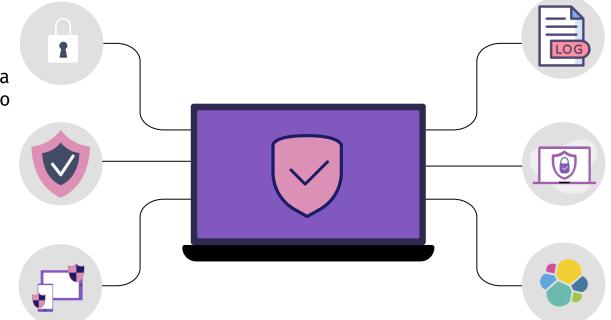
Recursos importantes para qualquer negócio

#### Segurança

Ponto crucial em qualquer sistema

#### **SmartEmotion**

Solução implementada



#### Ficheiros Logs

Análise e comparação

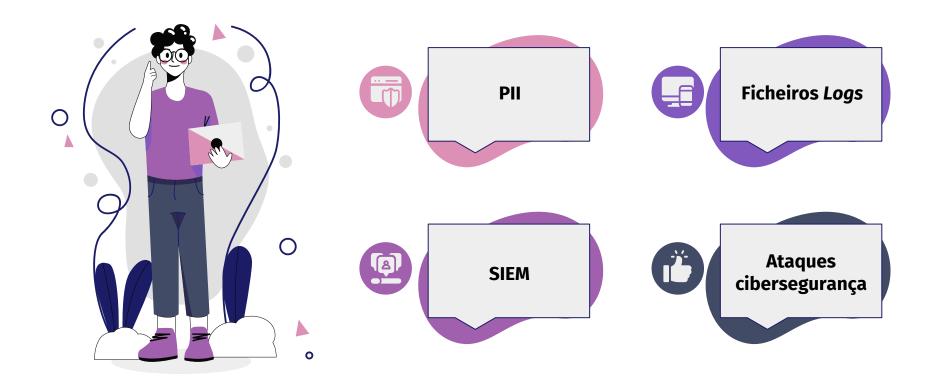
#### **SIEM**

Security Information and Event Management

#### **Elastic**

Soluções de busca simplificadas

# 2. Background

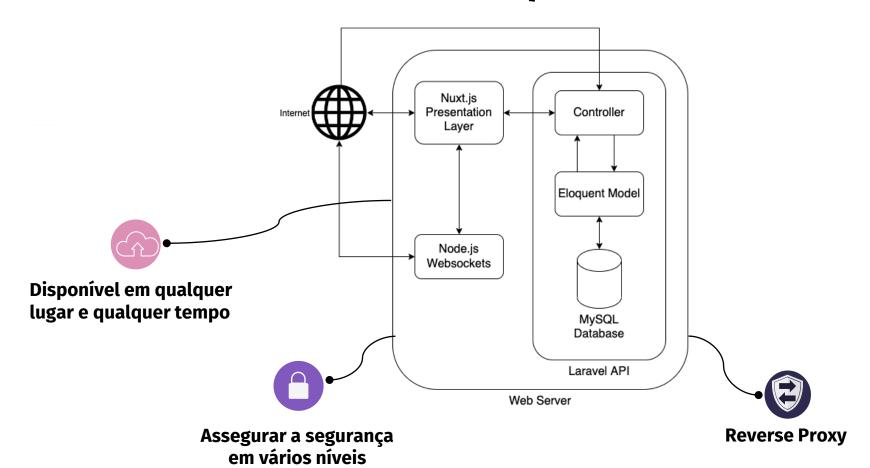


#### 3. Plataforma - SmartEmotion





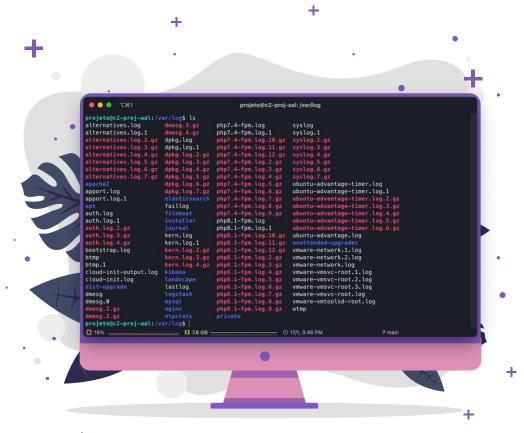
### 3. Plataforma - Arquitetura



# 4. Proposta de Solução



# 4.1 Ficheiros Logs





Análise

Análise de vulnerabilidades

Auth, syslog, nginx, MySQL, logs customizados

Ficheiros logs





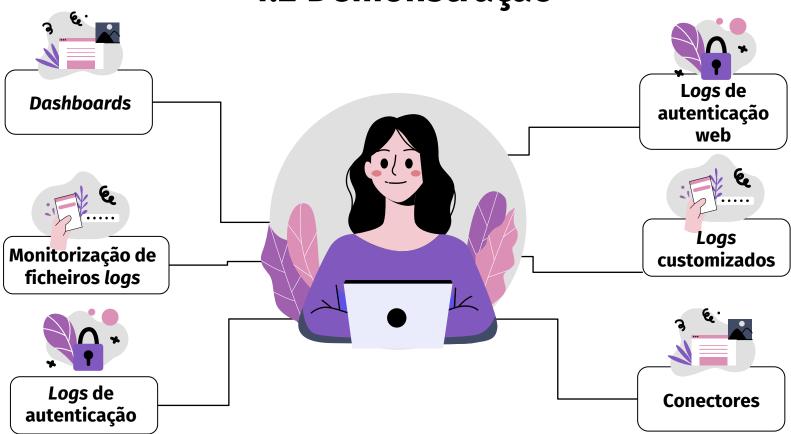
Ubuntu

Pasta logs: "/var/logs"

Cópia da base de dados da plataforma **Container** SmartEmotion



## **4.2 Demonstração**



### 5. Conclusão



### Referências

- Elastic: <a href="https://www.elastic.co/pt/">https://www.elastic.co/pt/</a>;
- Elastic Tutorial (Fosstechinx): <a href="https://www.fosstechnix.com/install-elastic-stack-on-ubuntu-20-04-lts/">https://www.fosstechnix.com/install-elastic-stack-on-ubuntu-20-04-lts/</a>;
- Filebeat: <a href="https://www.elastic.co/guide/en/beats/filebeat/current/filebeat-overview.html">https://www.elastic.co/guide/en/beats/filebeat/current/filebeat-overview.html</a>;
- Kibana: <a href="https://www.elastic.co/guide/en/kibana/current/introduction.html">https://www.elastic.co/guide/en/kibana/current/introduction.html</a>;
- Logstash: <a href="https://www.elastic.co/guide/en/logstash/current/introduction.html">https://www.elastic.co/guide/en/logstash/current/introduction.html</a>;
- Elasticsearch: <a href="https://www.elastic.co/guide/en/elasticsearch/reference/current/elasticsearch-intro.html">https://www.elastic.co/guide/en/elasticsearch/reference/current/elasticsearch-intro.html</a>;
- Docker Logs: <a href="https://docs.docker.com/engine/reference/commandline/logs/">https://docs.docker.com/engine/reference/commandline/logs/</a>;
- SIEMs: <a href="https://www.comparitech.com/net-admin/open-source-siem-tools/">https://www.comparitech.com/net-admin/open-source-siem-tools/</a>;
- PII: <a href="https://techbeacon.com/security/how-meet-privacy-requirements-your-pii">https://techbeacon.com/security/how-meet-privacy-requirements-your-pii</a>;
- ELK Stack: <a href="https://www.elastic.co/what-is/elk-stack">https://www.elastic.co/what-is/elk-stack</a>;
- Grok: <a href="https://logz.io/blog/logstash-grok/">https://logz.io/blog/logstash-grok/</a>;
- Ubuntu: <a href="https://sematext.com/blog/ubuntu-logs/">https://sematext.com/blog/ubuntu-logs/</a>;
- Slidesgo: <a href="https://slidesgo.com/">https://slidesgo.com/</a>;
- Ubuntu: <a href="https://www.xilinx.com/products/design-tools/embedded-software/ubuntu.html">https://www.xilinx.com/products/design-tools/embedded-software/ubuntu.html</a>;
- Flaticon: <a href="https://www.flaticon.com/">https://www.flaticon.com/</a>.





Alguma questão?

Carla Mendes <u>2220663@my.ipleiria.pt</u> Carlos Costa <u>2220662@my.ipleiria.pt</u> Rafael Pereira <u>2220659@my.ipleiria.pt</u>



