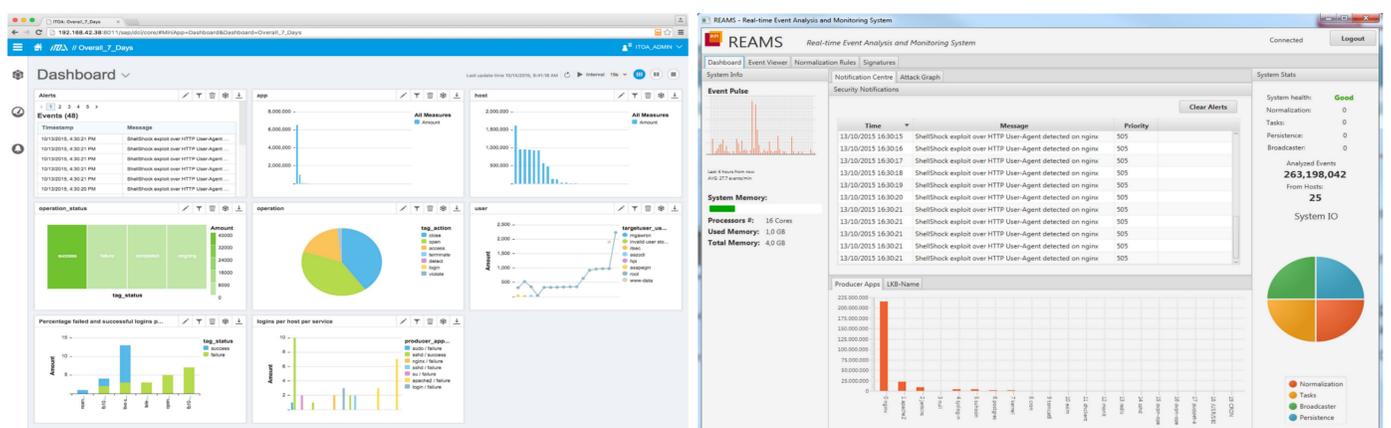


# Real-time IT Operations Analytics Powered by SAP HANA

Data Center Monitoring and Incident/Intrusion Detection through  
Correlating Real-time Event Information, Network Topology  
Information, System Information, and Vulnerability Information

- Monitoring complete system stack from low level hardware to upper layer applications
- Normalization and correlation of different types of events
- In-memory platform with up to 6TB of main memory
- Complex attack analysis and Attack Path detection
- Large scale parallelization methods for handling modern data center event loads
- Partnership between HPI and SAP through integrating REAMS and ITOA



**Project Goal:** This project aims to deploy the HPI REAMS (Real-time Event Analytics and Monitoring System) and SAP ITOA (IT Operations Analytics) systems within the HPI FutureSOC lab. The systems will monitor the operations of large scale networks by analyzing the events generated throughout those networks.

**Platform Architecture:** Event Gatherers and policy Enforcers collect alerts and logs from across the network. The central monitoring system is designed to be able to monitor systems across different indirectly connected networks in order to provide holistic security for the entire data center.

## Contact

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