

SOC Working Group Workshop/Hackathon

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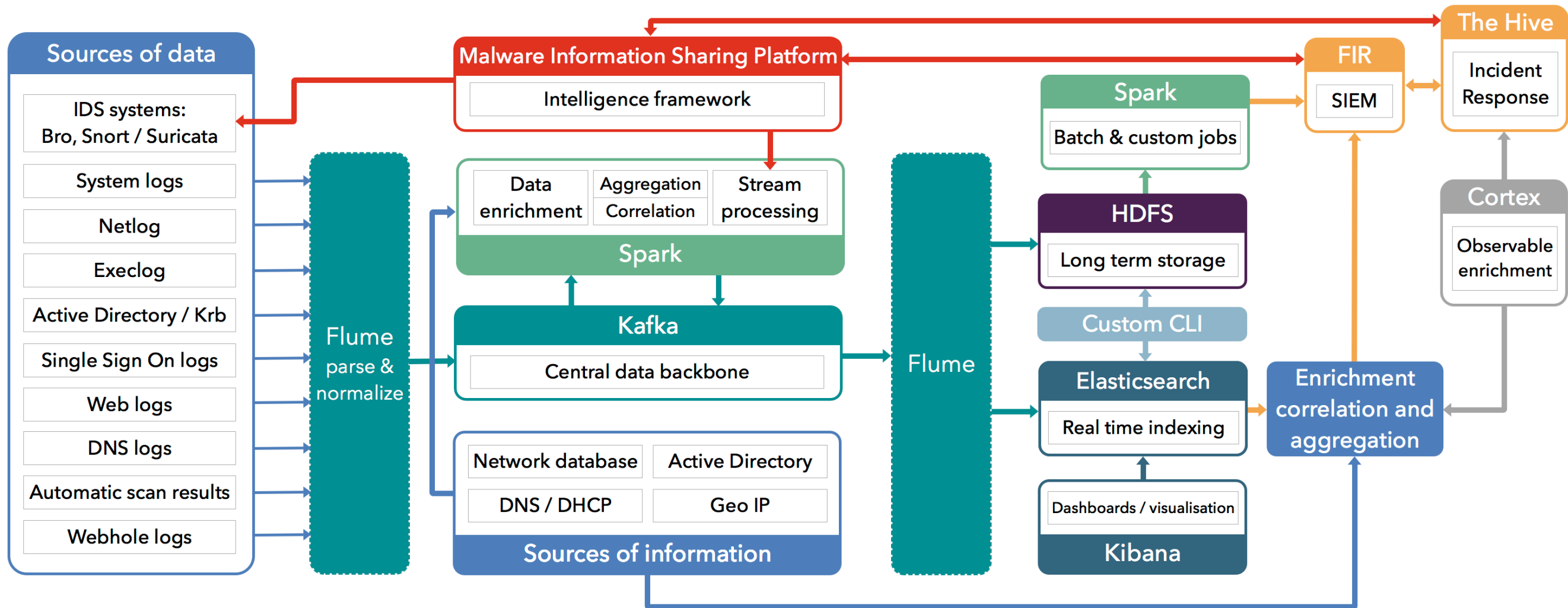
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Security Operations Centers

- Apply analytics concepts to security platforms
- *Create a scalable reference design applicable for a range of sites by examining current and prospective SOC projects & tools.*

CERN SOC



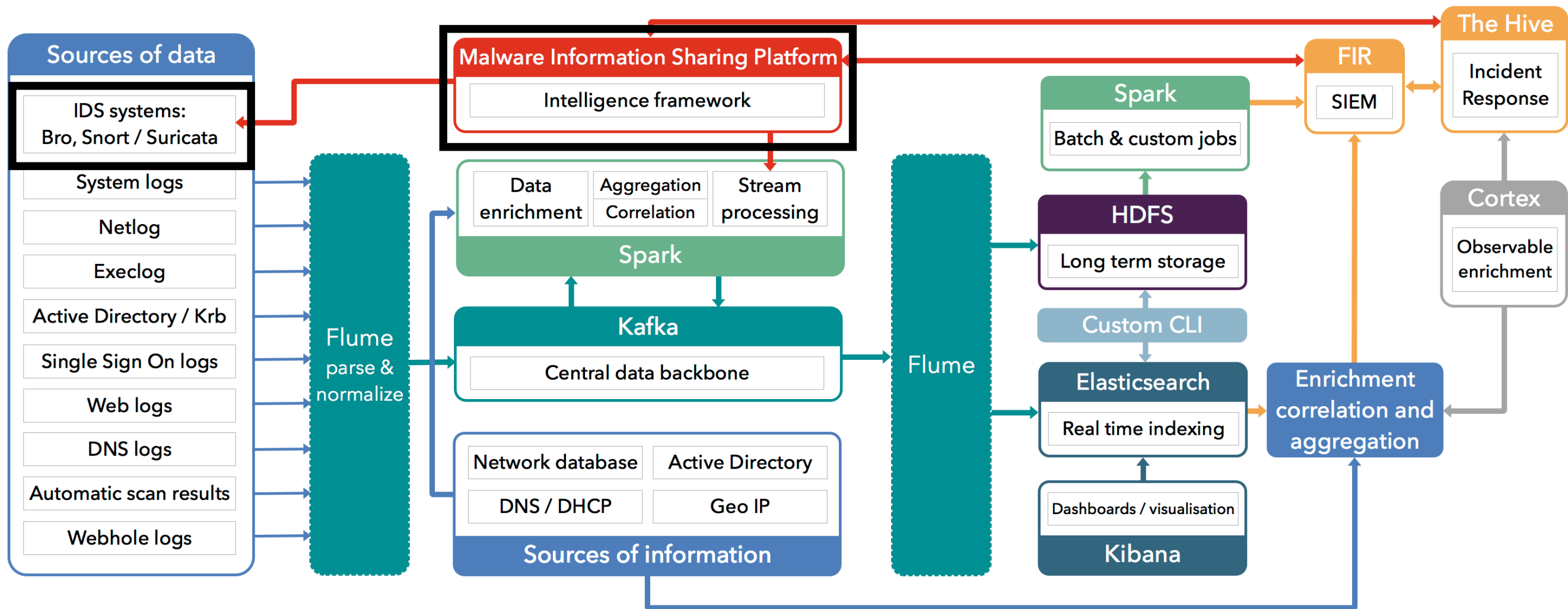
CERN SOC

- 100s of GB/day
- Varied range of data
- Built on top of existing CERN IT services whenever possible
- Lessons for other sites (while not necessarily at the same scale)

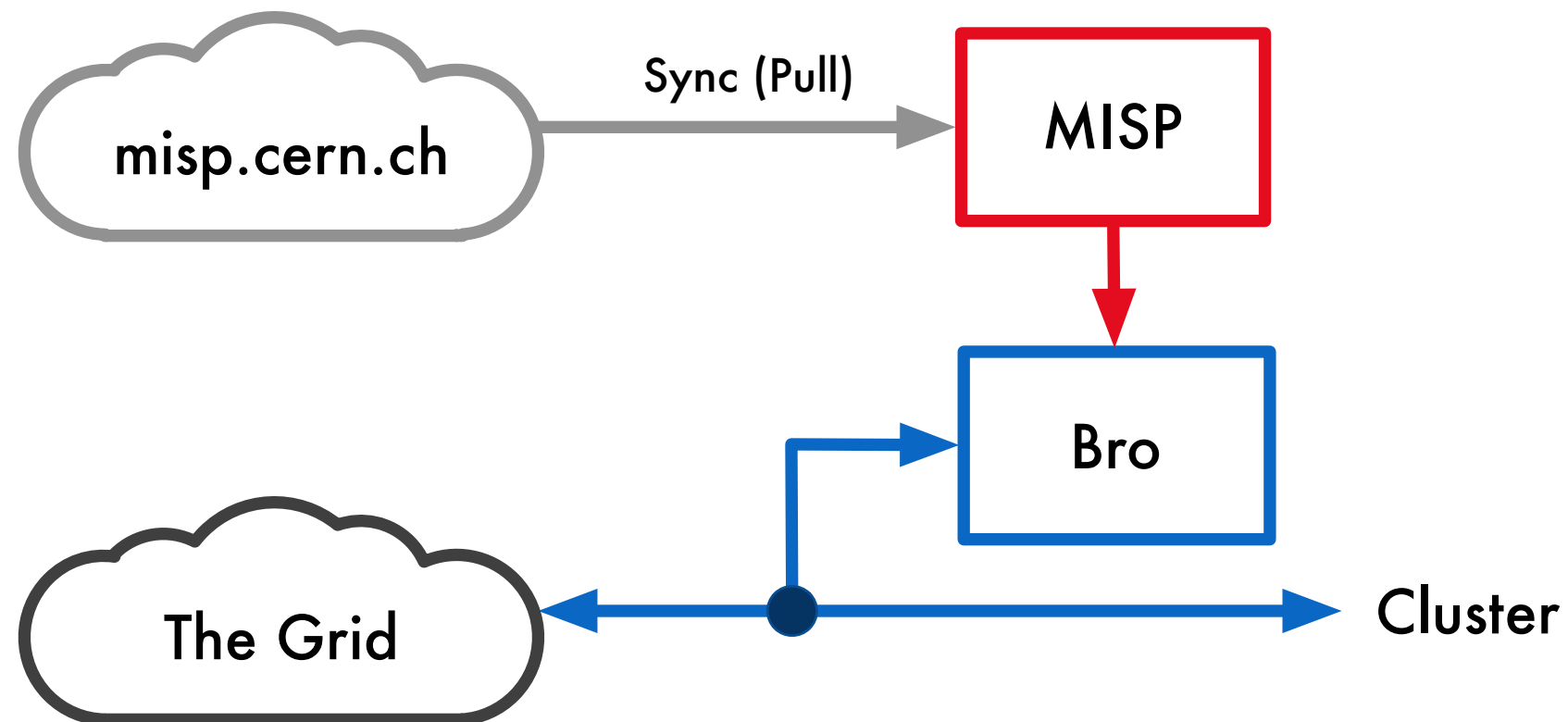
Technologies

- Look for minimum viable product
- Intrusion Detection System (IDS)
 - Bro
- Threat Intelligence
 - Malware Information Sharing Platform (MISP)

CERN SOC



Simple model (sync)



Workshop/Hackathon

- Taking place at CERN over 11th and 12th of December
- Format will be that of a hands-on hackathon
 - Aim to help attendees with deployment of security tools like Bro and MISP at their local sites.
- Where possible anticipate sites having resources identified prior to workshop to allow for assisted deployments

Areas of focus

- 1) Installation of Bro
- 2) Installation of MISP
- 3) Integration of Bro & MISP
- 4) Enrichment of Bro data and integration into wider SOC components

Agenda

Monday 11th December 2pm-6pm

- Introduction
- Demonstration of CERN SOC
- Discussion of outcomes for the workshop including necessary components and specific goals of individual sites

Agenda

Tuesday 12th December 9am-6pm

- Guided workshop
- Identify areas where sites can work together, for example to generate provisioning modules or to enhance existing documentation
- Wrap up period to include feedback, ongoing activities generated from workshop, future goals for working group, and potential future workshop plans

Guide timeline (Tuesday)

- 9-10: Initial site preparation including network and basic configuration
- 10-12: Initial installation and configuration of Bro
- 2-3: Initial installation and configuration of MISP web instance
- 3-4: Integration of MISP and Bro
- 4-6: Discussion

More details...

- Register (in person or remote attendance)
 - <https://indico.cern.ch/event/676160/>
- More information
 - <https://wlcg-soc-wg.web.cern.ch/>
- Contact
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