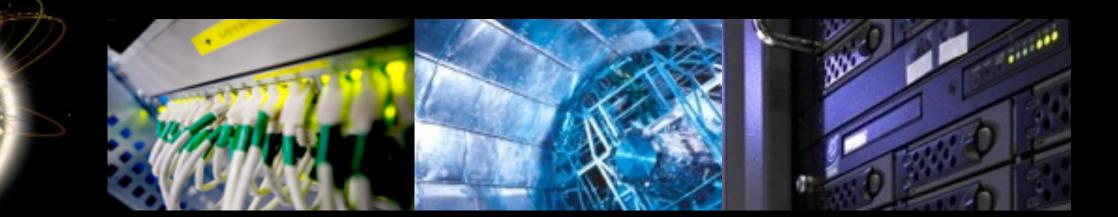
CERN's role in WLCG Security Operations





18-04-2024 / ALICE Workshop



https://indico.cern.ch/event/1355985







CERN Computer Security

- Local security operations
 - Security reviews, incident response, threat intelligence, ...
- WLCG Security
- Policies (endorsed by the Management Board)
- Recommendations
- Coordination and Incident Response
- Oversee major changes (eg: tokens, federated identities...)
- EGI IRTF
- Incident Response
- Vulnerability evaluation and tracking
- Policies and procedures



Responsibilities

Jose Carlos Luna

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WLCG Security Officer

Pau Cutrina

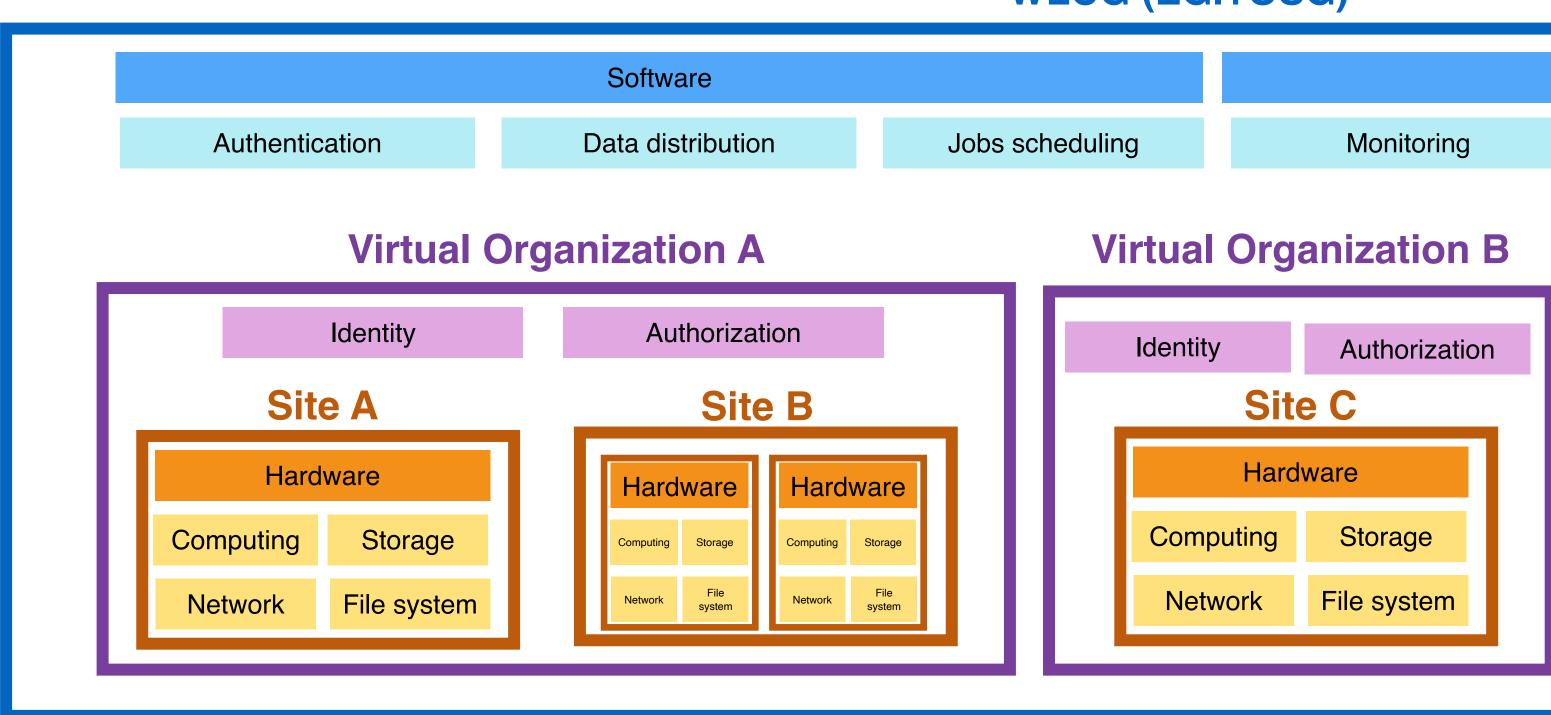
pau.cutrina@cern.ch

EGI IRTF Lead





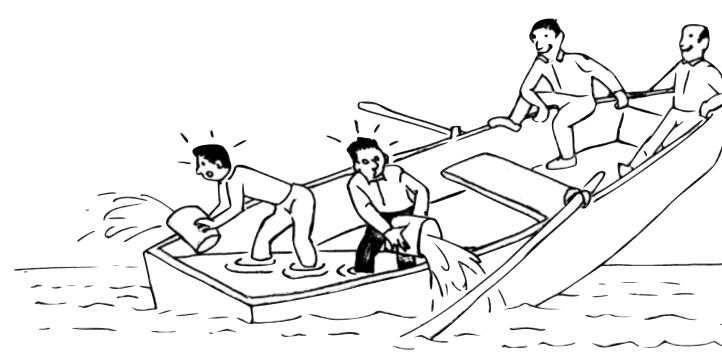
- Layered based model - Grid infrastructure
 - Resources are **shared**, so connected
 - Security teams at different levels



WLCG World LHC Computing Grid European Grid Infrastructure EGI OSG **Open Science Grid** https://twiki.cern.ch/twiki/bin/view/LCG/WLCGOperationsWeb; https://wlcg-public.web.cern.ch/



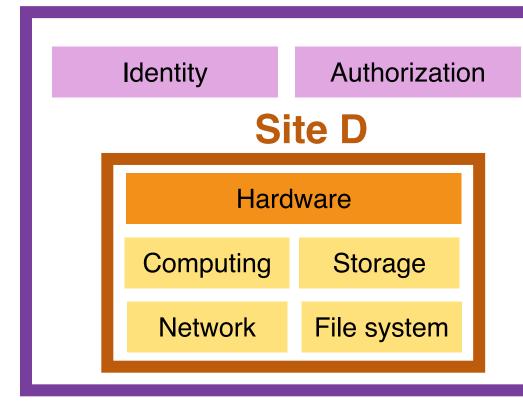
Security model - WLCG



WLCG (EGI+OSG)

	Operations					
cheduling	Monitoring	Support	Development			

Virtual Organization C









- Incidents Response (IR)
 - IR coordination
 - EGI Policies and Procedures
 - I.e. criteria for sites suspension
 - Communication channels
 - Email, RT, Mattermost, Keybase, ...
 - Constant updates (advisories)
- Communications Challenge
 - Security contacts up-to-date
 - Procedures associated
- **Vulnerabilities**
- SSC

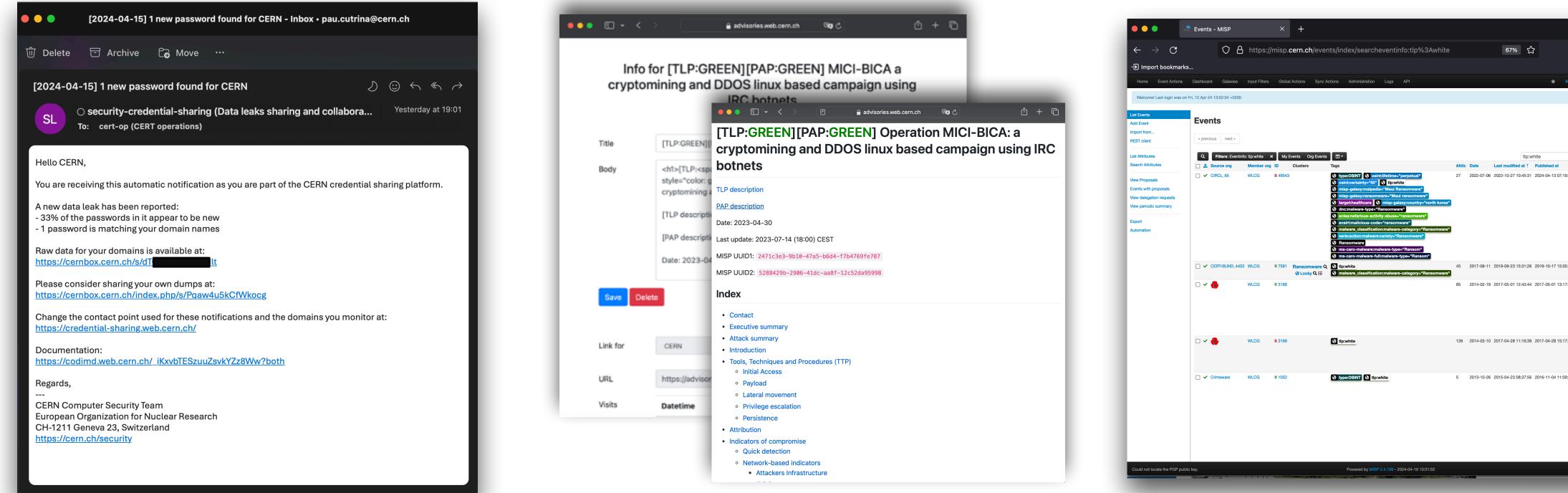
LCG

Activities





- Advisories
- MISP
- WLCG SOC WG





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https://wlcg-soc-wg.docs.cern.ch/

Initiatives

• Credential Sharing: Give us your domain and email and we will notify you.

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Upcoming Actions

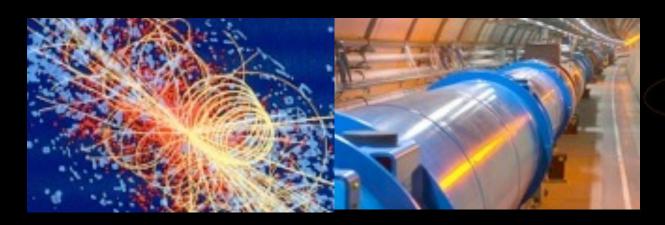
- Possibilities
 - Technical trainings (forensics, pentest, operations, ...)
 - Simulation of incident to review procedures
 - -Assessment security status. Security policies to checklist.
 - Communications challenges to the VOs
 - Random audits
 - Workshops
 - Regular meetings
 - Etc.







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Questions?

