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Cybersecurity at the Speed of HPC - Monitoring and Incident Response

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High-Performance Computing (HPC) environments demand extreme speed and efficiency, making cybersecurity particularly challenging. The need to implement security controls without compromising performance presents a unique dilemma: how can we ensure robust protection while maintaining computational efficiency? This presentation will give an insight into real-world challenges and measures implemented at CSCS that can help the investigation in case of potential incidents. Despite advances in security tools, critical vulnerabilities remain, particularly in managing and analysing large-scale data flows in real time.

Desired slot length

20

Speaker release

Yes

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