Securing HPC without Air Gapping - (SHAG) BoF

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Motivating this BoF

High-performance computing is gaining importance due to the criticality of data and applications on HPC systems in modern industries. But, security tends to be overlooked:

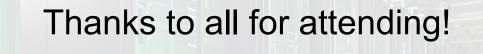
- Focus is primarily on performance and scalability
- It is challenging to implement and manage robust security measures
- Lack of understanding about the potential security risks and the need for proactive security measures

In this BoF, we want to draw the attention of the HPC community to the importance of security with the following goals:

- Advocate for Security-First Mindset
- Highlight the Need for Balance between performance and security
- Foster Collaboration

Agenda for today's BoF

- Challenges with HPC security Trevor Khwam Tabougua (GWDG)
- 2FA + SSH: A creative solution for secure, user-friendly HPC authentication – Fabian Lingenhöl (KIT)
- Discussion of the Security Concepts at NHR@Göttingen from 1000 feets
 Hendrik Nolte (GWDG)
- Zero trust ingredients for a modern datacenter CJ Newburn (NVIDIA)
- Interactive survey followed by a discussion



PRESENTATIONS AND NOTES WILL BE ONLINE:

https://hps.vi4io.org/events/2023/isc-bof-security