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Computer Security Update

Tuesday 13 October 2020 09:00 (20 minutes)

This presentation aims to give an update on the global security landscape from the past year.

The COVID-19 pandemic has introduced a novel challenge for security teams everywhere by expanding the attack surface to include everyone's personal devices / home networks and causing a shift to new, risky software for a remote-first working environment. It was also a chance for attackers to get creative by taking advantage of the fear and confusion to devise new tactics and techniques.

What's more, the worrying trend of data leaks, password dumps, ransomware attacks and new security vulnerabilities does not seem to slow down.

We present some interesting cases that CERN and the wider HEP community dealt with in the last year, mitigations to prevent possible attacks in the future and preparations for when inevitably an attacker breaks in.

This talk is based on contributions and input from the CERN Computer Security Team.

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