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Sommario/riassunto	Security in High Performance Computing (HPC) has traditionally been an operational challenge (i e , restrict access and usage to certified users) However, as HPC gradually permeates more areas of public interest, in part driven by the 5th paradigm of computing, a hands off approach to security aspects in favor of performance and power is becoming imprudent at best Paired with HPC s traditional role of early technology adoption, a new set of early target worthwhile vulnerabilities are emerging that are not necessarily found in other computing scenarios that operate with more established technologies S HPC focuses on threats and solutions across the HPC hardware software stack These threats include weaknesses in current and future architectural designs, escalation of privileges through data extraction or computation manipulation, intentional misuse of resources across scientific instruments.