

A Decentralized Cyber Threat Information (CTI) Sharing Platform

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Abstract. Embracing the changes in technology and cybersecurity is crucial especially for organisations. As the technology space evolves so does the techniques used by cyber attackers, it gets more sophisticated. For organisations to secure their environment, it is vital to collaborate with other organisations to fight against zero-day-attacks. This can be achieved through sharing cyber threat information. Most organisations are hesitant to share CTI because of trust. Therefore, this paper presents a DLT based CTI sharing platform, which presents a trust-less environment for sharing. The nature of DLT presents opportunities for sharing CTI in a secure and decentralized manner, thus allowing global collaboration.

Keywords: Cyber Threat Information (CTI), Distributed Ledger Technologies (DLTs), Sharing Platform, Smart contracts, Cybersecurity.