

Title: Decentralized IoT Access Control Framework with Autonomic Threat Detection

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Abstract: IoT introduces grand security challenges due to the increase in the attack surface. In particular, IoT relies on the digital identity concept to build security mechanisms such as authentication and access controls. By such, identity management and access controls in IoT raise privacy concerns and present a single point of failure when we attempt to adapt current centralized access control systems, which are traditionally built around third-party identity providers. In this presentation, we present a decentralized access control framework for the IoT enabled it with an autonomic threat detection mechanism.

