An Approach to Achieve Trustworthiness in Industrial Domain

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Our talk, comprising of two parts, firstly focuses on supply chain trustworthiness. With the growing number of supply chain attacks causing disruptions and huge losses and increasing adaption of Industry 4.0, leading to connect industries, the importance of establishing trustworthiness in each communication and business is growing. Therefore, in this talk, supply chain trustworthiness, including security and privacy aspects, will be introduced, and its importance will be discussed. Moreover, a protocol to exchange trustworthiness capabilities and establish trustworthiness in a structured manner will be discussed.

In the second part of the talk, we would like to focus more on the details of realizing trustworthiness in practical aspects of businesses. As a matter of fact, one possible approach to leveraging device wallets and their security will be discussed in more detail. A new vision for wallet security in self-sovereign identities (SSI) will be shown in this talk in terms of the trust relationship between different parties of the SSI triangle.