An Interaction-oriented Model of Trust Alignment

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**Abstract**
We present a mathematical framework and an implementation of a proof of concept for communicating about trust in terms of interactions. We argue that sharing an ontology about trust is not enough and that interactions are the building blocks that all trust- and reputation models use to form their evaluations. Thus, a way of talking about these interactions is essential to gossiping in open heterogeneous environments. We give an overview of the formal framework we propose for aligning trust and discuss an example implementation, which uses inductive learning methods to form a trust alignment. We highlight the strengths and weaknesses of this approach.

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