

论文

基于主观逻辑扩展的实体行为动态可信模型

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摘要:

从实体行为可信性的主观角度出发,针对传统主观逻辑理论没有考虑主观评测结果随时间动态变化的问题,提出对主观逻辑理论进行动态化多维扩展的思想,将传统的二维观点空间扩展为多维动态观点空间.在综合考虑实体行为的声誉和风险的基础上构建起实体可信度评价体系,提出一个基于主观逻辑扩展的实体行为动态可信评测模型.实验结果表明,该模型对实体恶意行为的反应更加灵敏,检测更加准确,抑制更加有效.

关键词: 主观逻辑 动态可信 可信评测 实体行为

Dynamic trusted evaluation model of entity behavior based on extended subjective logic

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Abstract:

The traditional theory of subjective logic does not consider the fact that subjective evaluation results change with time. We present a new idea to extend traditional subjective logic theory. The traditional two-dimensional opinion space is extended to a multi-dimensional dynamic opinion space. A dynamic trusted evaluation model of entity behavior based on extended subjective logic is proposed and is implemented based on the reputation and risk evaluation mechanism. The experimental results show that the model can process malicious behavior with more sensitive reaction, more accurate detection, and more effective suppression.

Keywords: subjective logic dynamic trust trusted evaluation entity behavior

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