

**Title:** Survey of Recent Ontological Approaches to Cyber-Security

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**Abstract**

The growing complexity and sophistication of attacks on computer networks justifies the ongoing development of ontological security tools. With regard to cyber-security, ontologies are used primarily to categorize threats, as well as their prerequisites and consequences. This categorization enables more appropriate machine-driven defensive responses. We survey twenty-five recent papers that propose or test ontological methods in the domain of cyber-security. These surveyed papers are classified by two models of ontology development and usage.

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