

# Analysis of the Malware Attacks Effects on Virtual Machines

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## Abstract

*Internet becomes a dangerous network due to the growing number of cyber-attacks with malware. In these conditions it is presented the idea of using a virtual machine to secure the data and the services provided on the Internet. In this paper it is assumed the perspective of an attacker to create a model to attack the virtual environment with malware. It will be shown that if somebody will gain the full control over a virtual machine, it will not be able to affect the real machine resources.*

**Keywords:** virtual machine security, cyber-attacks, malware

## References

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