

MULTI-SECURE BINDER FOR DISMISSAL IN OS - LEVEL VIRTUAL MACHINES ENVIRONMENT

GIRISH WADHWA

Alamuri Ratnamala, Institute of Engineering and Technology, Thane, Maharashtra, India

ABSTRACT

The virtual machine provides the software implementation process where the task created and closed. Basically virtual machine has two types that are process virtual machine and system virtual machine. It provides the environment for single program execution and system platform. The problem of virtual machine is there is no malicious activity detection only the benign updates send to the Virtual Machine host environment. In this paper we propose the Virtual Machine Commitment system and also based on the enhanced and securing method than the existing process is called compressing process for the malicious clusters of the OS flow of the Virtual Machines. For detecting the malicious cluster the SECOM method will be used. It reduces the false-positive rate when identifying malicious clusters. OS-level virtual machines have the reduced hardware requirements and they are created during the need and they are closed after the usage or after the task completion. But there is an issue of detecting the malicious activity of the user. In the prior work, they developed the secure commitment method which provides the efficient malicious attack detection process but they not support the multi-VM environment. In this paper, we propose the multi-secure binder to commit the malicious activity. As additional we propose a concept of compressing the file after detecting the malicious user files. Hence it won't affect the system but it will be provide support the other supportive files in the system which is added as an additional file to that compressed file

KEYWORDS: Virtual Machine, Virtual Machine Host Environment, OS-Level

Objectives

- The VM commitment system commits the benign updates to host environment.
- It eliminates the malicious state changes in the VM host.
- It grouping the information flow into object for labeled the compromised object.