

A Sense of Self for Unix Processes



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Overview

- This paper presents an intrusion detection algorithm which is learned from mechanisms of natural immune systems.
- In natural immune system, pattern recognition is used to check whether a cell is normal or abnormal?
- So, how to define the pattern of normal or “Self” is the main focus of this paper.



Definition of Self

- What we mean self in computer system is more dynamic than in the case of natural immune systems.
 - Load updated software
 - Edit files
 - Run new programs
 - Change work habits

In these cases, the normal behavior of the system is changed, sometimes dramatically.