عنوان مقاله:

Designing Expert System for Detecting Faults in Cloud Environment

محل انتشار:

مجله بین المللی پیشرفت در علوم کامپیوتر, دوره 2, شماره 5 (سال: 1392)

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خلاصه مقاله:

Many fault detection techniques for detecting faults in rule bases system have appeared in the literature. These techniques assume that the rule base is static. This paper presents a new approach by designing Expert system for detecting faults in dynamic environment, such as cloud. Cloud resources areusually not only shared by multiple users but are also dynamically re-allocated per demand. Therefore, rules may be added/deleted in response to certainevents happening in the integrated system being controlled by the rules. The approach makes use of spanning trees and Complementary sets to check adynamic rule base for different kinds of faults underlying directed graph and devises a new method with scripting language on web based tools. This isperformed as rules are being added to the dynamic rule base one at a time without the need to rebuild thestructures and update rules and paths by expert .system

کلمات کلیدی:

Dynamic Rule bases, Rule base Faults,Spanning Tree, Cloud Environment, Expert System