Patent Search

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Abstract:

The present invention discloses an artificial intelligence and machine learning based system and method with improved security of nodes data in a blockchain netwo present invention, private transactions can be prepared by a distributed application with a machine learning interface, which then sends a payload storage message t transaction key manager that includes a hash digest, an encrypted payload, and an encrypted symmetric key. Further, hash and encrypted payload are stored by the key manager in tandem with the AI means; a pending transaction is sent by the distributed application to the first node in a set of nodes; and at least one of the set o performs the private transaction. Accompanied Drawing [FIGS. 1-2]

Complete Specification

Description:[001] The present invention relates to the field of the Blockchain security with novel techniques, methods, devices and apparatus. The invention more particularly relates to an artificial intelligence and machine learning based system and method with improved security of nodes data in a blockchain network.

BACKGROUND OF THE INVENTION

[002] The following description provides the information that may be useful in understanding the present invention. It is not an admission that any of the informati provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[003] Further, the approaches described in this section are approaches that could be pursued, but not necessarily approaches that have been previously conceived pursued. Therefore, unless otherwise indicated, it should not be assumed that any of the approaches described in this section qualify as prior art merely by virtue c inclusion in this section.

[004] In Blockchain network, the difficulty of keeping tabs on the condition of these interconnected systems has only increased as their complexity has increased. Tl true for all measures of system health (performance, resource usage), but is especially so for measures of security. As a result, in only a few years, security monitori gone from environments with a small number of security devices, producing hundreds of daily events, to those with a massive number of devices, producing hundr thousands of daily events. The enormous volume of daily events has rendered manual analysis of all security events by security managers to be impossible. Securit information and event management (SIEM) systems (further information on which may be found at http://www.rsa.com/node.aspx?id=3182) were developed as a n streamlining and, whenever possible, automating the processes involved in the analysis of security logs in any given environment. Security information and event management (SIEM) systems are built to collect all security data produced by all devices in use inside an organisation and standardise it in a uniform format that wi

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