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Patent Search

Invention Title	A NUMERAL NARROW-DOWN METHOD AND SYSTEM FOR ULTIMATE NETWORK INTERNAL SECURITY WRAPPING
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Abstract:

ABSTRACT A NUMERAL NARROW-DOWN METHOD AND SYSTEM FOR ULTIMATE NETWORK INTERNAL SECURITY WRAPPING The present invention relates to a numeral narrow down method and system for ultimate network internal security wrapping. The present invention is to develop a Software Defined Networking Architecture, which is based on a decoupled design separating the control and the data plane from the forwarding devices extending the visibility, feasibility and control over the network in a more efficient and effective approach. The decoupled architecture ensures the communication between one another with Application Program Interfaces. The above drawing gives the overview of SDN architecture.

Complete Specification

DESC:FIELD OF INVENTION:

The present invention relates to develop a secured Software Defined Networking Architecture, more particularly relates to a decoupled design separating the control and the data plane from the forwarding devices extending the visibility, feasibility and control over the network in a more efficient and effective approach.

BACKGROUND OF THE INVENTION

With a deep dive on the architecture of Software Defined Networking, various security weak points were identified. From those identified weak points, the existing mitigation strategies and availabilities were analyzed. This analysis brought an attention over many neglected weak points, vulnerabilities within the SDN Architecture. One of the many weak points, this mechanism addresses one prime fallback at the application plane. This mechanism addresses the security lapses amongst the entities placed within the application plane thus bringing in a novel approach from existing security mechanisms as they address the flow of data within the network mitigating the data plane and the control plane.

There have been numerous prior-art also available in the public domain and few of them have been mentioned:

According to WO2016151503A1 discloses a method and system that includes assigning resources to a security container for a workload (S402), determining security criteria for the workload (S404), monitoring resources and workload assigned to a security container for security events (S406), managing security mechanism(s) according to security criteria.

US10122654B2 describes a divided hierarchical network system based on software-defined networks, the divided hierarchical network system including: an edge control plane configured to generate forwarding information in response to a flow forwarding inquiry from a lower level and respond to the request with the forwarding information.

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