

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311069330 A

(19) INDIA

(22) Date of filing of Application :14/10/2023

(43) Publication Date : 24/11/2023

(54) Title of the invention : SYSTEM AND METHOD TO SHUT DOWN AFFECTED NETWORK SEGMENT

(51) International classification :H04L0043000000, H04L0041160000, G06F0021550000, H04L0043120000, H04L0043040000
(86) International Application No :NA
Filing Date :NA
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

The present invention discloses a system (150) comprising one or more nodes (108) and one or more network monitoring modules (110) communicatively coupled to a network (106), and configured to monitor real-time data pertaining to behaviour of the one or more nodes (108), and network traffic. Further, the system (150) comprises a controller (112) in communication with the nodes (108) and the network monitoring modules (110), which receives the monitored data from the network monitoring modules (110) and detects a potential threat in the network (106) by analyzing the received data, and further determines a network segment affected by the potential threat, and selectively shut down the determined network segment.

No. of Pages : 23 No. of Claims : 10