

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311039081 A

(19) INDIA

(22) Date of filing of Application :07/06/2023

(43) Publication Date : 28/07/2023

(54) Title of the invention : SYSTEM AND METHOD TO BLOCK IP ADDRESSES BASED ON AUTHENTICATION RULES

(51) International classification :A61P 091000, A61P 170600, G06F 075800, G11C 071000, H04W 120600

(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

(71)Name of Applicant :

1)Chitkara University

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----

2)Bluest Mettle Solutions Private Limited

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :

1)MISHRA, Saket

Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----

2)SINGH, Dhiraj

Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----

3)KAUSHAL, Rajesh

Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----

(57) Abstract :

The present invention discloses a system (100) and method (200) for blocking one or more IP addresses based on predetermined authentication rules. The system (100) includes a device (106) that is attached to a host device, and the system allows for acquiring access to various files from the host device upon connection. The system receives network traffic data associated with an incoming connection request, authenticating the request based on predetermined authentication rules, and determining the IP address associated with the request. The determined IP address is then analyzed against a list of blocked IP addresses and compared to a threshold value. If the IP address exceeds the threshold value, it is blocked, denying access to the requesting entity. The system logs the blocked IP address and connection request details and transmits a notification to a computing device, informing about unsuccessful attempts and security risks.

No. of Pages : 28 No. of Claims : 9