

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311048979 A

(19) INDIA

(22) Date of filing of Application :20/07/2023

(43) Publication Date : 11/08/2023

(54) Title of the invention : VULNERABILITY PATCH RECOMMENDER SYSTEM AND METHOD

(51) International classification :A61K 097000, G06F 086500, G06F 215500, G06F 215700, H04L 510800
(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, Rahul
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)KUKREJA, Vinay
Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----

(57) Abstract :

The present invention discloses a vulnerability patch recommender system that assists organizations in effectively managing software patches to address known vulnerabilities in their computer networks. The system utilizes advanced algorithms, including vulnerability scanning, threat intelligence, machine learning, and patch prioritization, to identify and recommend patches based on the severity and likelihood of exploitation. By automating the patch management process, the system helps organizations prioritize their patching efforts, reduce patch cycle times, and mitigate the risk of errors during manual patching. It offers real-time scanning, customized reports, risk-based scoring, integration with vulnerability databases, and enhanced security measures. The vulnerability patch recommender system enables organizations to comply with security regulations, proactively address vulnerabilities, and achieve scalable and efficient patch management across their software applications and systems. Overall, it enhances the security posture of organizations and helps protect their sensitive data from potential cyber threats.

No. of Pages : 21 No. of Claims : 10