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(54) Title of the invention : SYSTEM AND METHOD FOR AUDITING SECURITY OF SSH SERVICE RUNNING ON A COMPUTING DEVICE

<p>(51) International classification :G06F 031600, G06F 215500, G06F 216200, H04L 671000, H04M 017240</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)Chitkara University</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p><b>2)Bluest Mettle Solutions Private Limited</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : <b>1)MISHRA, Saket</b> Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p><b>2)SINGH, Dhiraj</b> Address of Applicant :ODC-4, Panchshil Tech Park, inside Courtyard by Marriott premises, Hinjewadi Phase - 1, Pune - 411057, Maharashtra, India. Pune -----</p> <p><b>3)SHARMA, Ishu</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p>
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(57) Abstract :

The present invention is a system (100) designed to audit the security of an SSH service on a computing device. The system includes a protocol server supporting both SSH1 and SSH2, and a processor (104) with instructions stored in memory that enables the device to connect to an SSH server over a network. The system runs tests on a chosen target to detect weaknesses in both the computing device and SSH server, and notifies the relevant parties of any vulnerabilities detected. Information such as an audit trail, date and time of execution, outcome, and IP address are recorded. The system also includes additional modules for cryptography, compatibility, policy checking, and key management to ensure comprehensive security auditing.

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