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(54) Title of the invention : SYSTEM TO AUDIT AWS CONFIGURATION IN A CLOUD COMPUTING ENVIRONMENT AND METHOD THEREOF

<p>(51) International classification :G06F 086100, G06F 095000, G06F 215700, H04L 671095, H04L 675100</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, Rahul</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, Bhanu</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 discloses a system for auditing configuration of AWS (Amazon Web Services) in a cloud computing environment. The system includes a processor (102) and a memory (104) that execute instructions to perform various tasks. The system receives log data from multiple AWS services, centralizes and parses the data to generate summaries and warnings. Also, the system utilizes a query language to enable visualization and search of the log data in CloudWatch. Additionally, the system creates custom rules using AWS Config rules to address compliance requirements. Upon detecting audit findings, the system generates and transmits alerts to authorized individuals. The received log data can encompass various types of logs, such as user transactions, consumer behavior, sensor activity, machine behavior, and security risks. The system allows for saving and reusing queries for repeated log data analysis.

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