

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202311055358 A

(19) INDIA

(22) Date of filing of Application :17/08/2023

(43) Publication Date : 15/09/2023

(54) Title of the invention : SYSTEM AND METHOD FOR SECURELY MANAGING APPLICATION ZONES IN CLOUD BURST ENVIRONMENTS

(51) International classification :G06F0021550000, G06F0021620000, G06F0021600000, G06F0012140000, G06F0009500000

(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)MANTRI, Archana**  
 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 securely managing application zones in a cloud burst environment by utilizing a processor (102) to implement a set of security mechanisms, including intrusion detection and prevention systems, firewalls, and data encryption technology. These security measures are adaptive and continuously adjust security policies based on emerging threats. The system also incorporates a set of tools, such as automated scaling and load balancing functionalities, to enable efficient application zone management. Administrators can monitor and control allocated resources, including CPU, memory, and storage. By effectively safeguarding application zones and optimizing resource allocation, the system empowers businesses to fully exploit cloud computing benefits while maintaining a secure and reliable environment.

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