

ABSTRACT

A computer-implemented method for enabling a cloud connector system (100) to establish a secure connection between on-premise devices and a cloud server (108) hosting a cloud Certificate Lifecycle Management as a Service (CLMaaS) for validating and upgrading a certificate on the on-premise devices is provided. The method includes implementing a plurality of cloud connectors (102A-N) in a tenant premise comprising a plurality of on-premise devices (104A-N) to establish a full-duplex connection between the plurality of on-premise devices and the CLMaaS, performing a runtime analysis of the connection between the cloud server and the plurality of cloud connectors, routing the requests from the cloud CLMaaS to the plurality of on-premise devices through the plurality of cloud connectors based on the run time analysis of the connection, and enabling the cloud connector system to execute the certificate validation and upgradation in the on-premise devices based on the request from the cloud CLMaaS.

FIG.1