

ABSTRACT OF THE DISCLOSURE

Various embodiments disclosed herein provide techniques for managing encryption keys at nodes in a mesh network. In various embodiments, a method includes receiving, by a first node in a network, a first message from a second node; determining, by the first node, that a first key usable by the first node to decrypt the first message is outdated based on a comparison of a first key version identifier associated with the first key and a second key version identifier associated with a second key, where the second key was used to encrypt the first message, and the second key version identifier is received from the second node with the first message; and in response to determining that the first key is outdated, transmitting, by the first node to a key management service, a first request for an updated version of the first key to replace the first key.

FIG. 2A