

Methodist SA

methodistsa-intracility-uthealthsa, N_A)]_{methodist}
 N_A, K_{AB})

Verifies
signatures
and updates
the graph

CTI System

-healthsa, N_A , [h(methodistsa-intracility-uthealthsa, N_A)]_{methodist}
-sapvtkey, MAC(methodistsa-intracility-uthealthsa, N_A, K_{AB})

authreq, uthealthsa, ctisystem, N_A

{ctisystem, uthealthsa, N_B }_{uthealthsapubkey},
[h(N_A, N_B , ctisystem, uthealthsa)]_{ctisystempvtkey}

{uthealthsa, ctisystem, $N_B + 1$ }_{ctisystempubkey}, [h($N_B + 1$, uthealthsa, ctisystem)]_{uthealthsapvtkey}, methodistsa-intracility-uthealthsa, $N_A + N_B$, [h(methodistsa-intracility-uthealthsa, N_A)]_{methodistsapvtkey}, [h(methodistsa-intracility-uthealthsa, N_A, N_B)]_{uthealthsapvtkey}

confirmation, [h(confirmation, N_A, N_B)]_{ctisystempvtkey}

confirmation, [h(confirmation, N_A)]_{uthealthsapvtkey}

UT Health SA