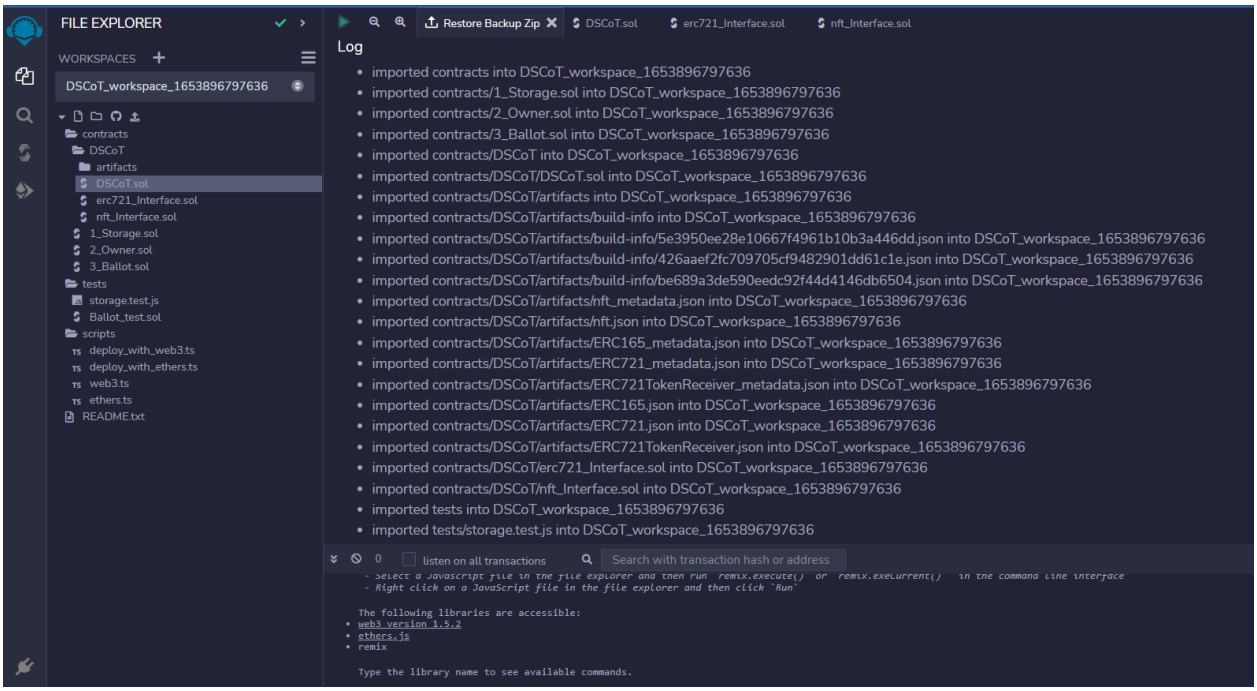

Figure 1. Creating and importing the proposed DSCoT workspace in Remix IDE

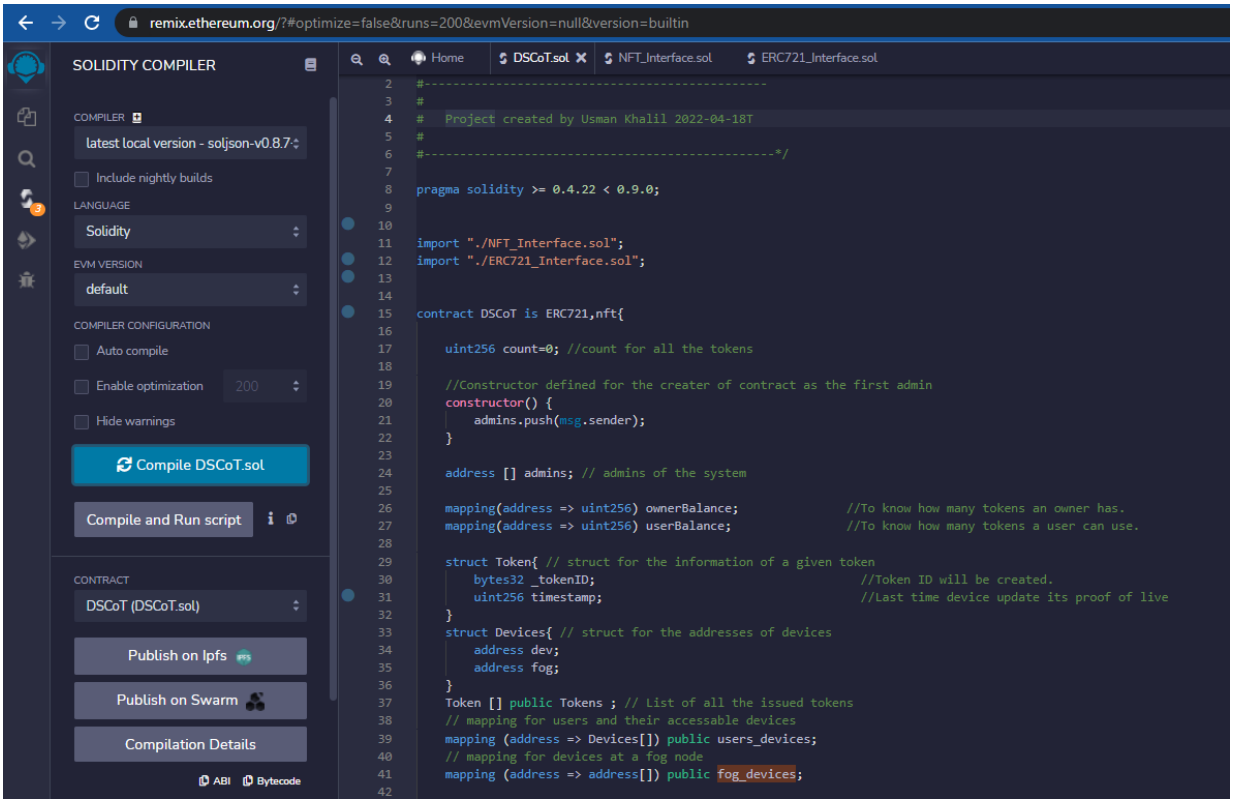

Figure 2. The proposed DSCoT Smart Contracts in Remix IDE

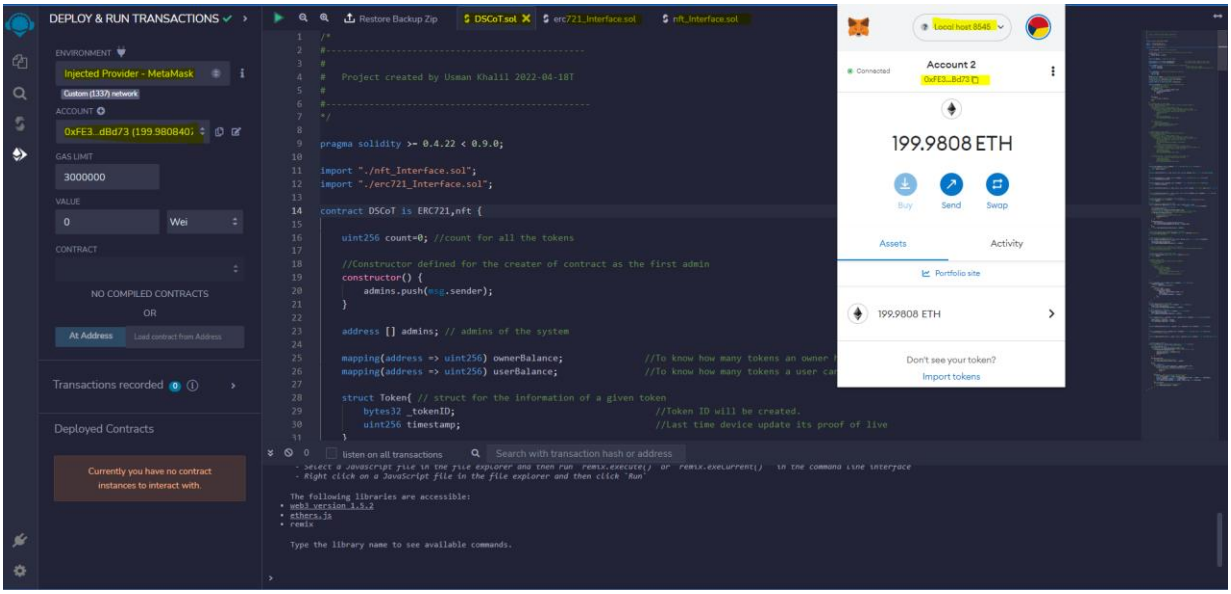

Figure 3. Digital Wallet ~ MetaMask with connected site ~ Remix IDE with the Proposed DSCoT SCs Compilation

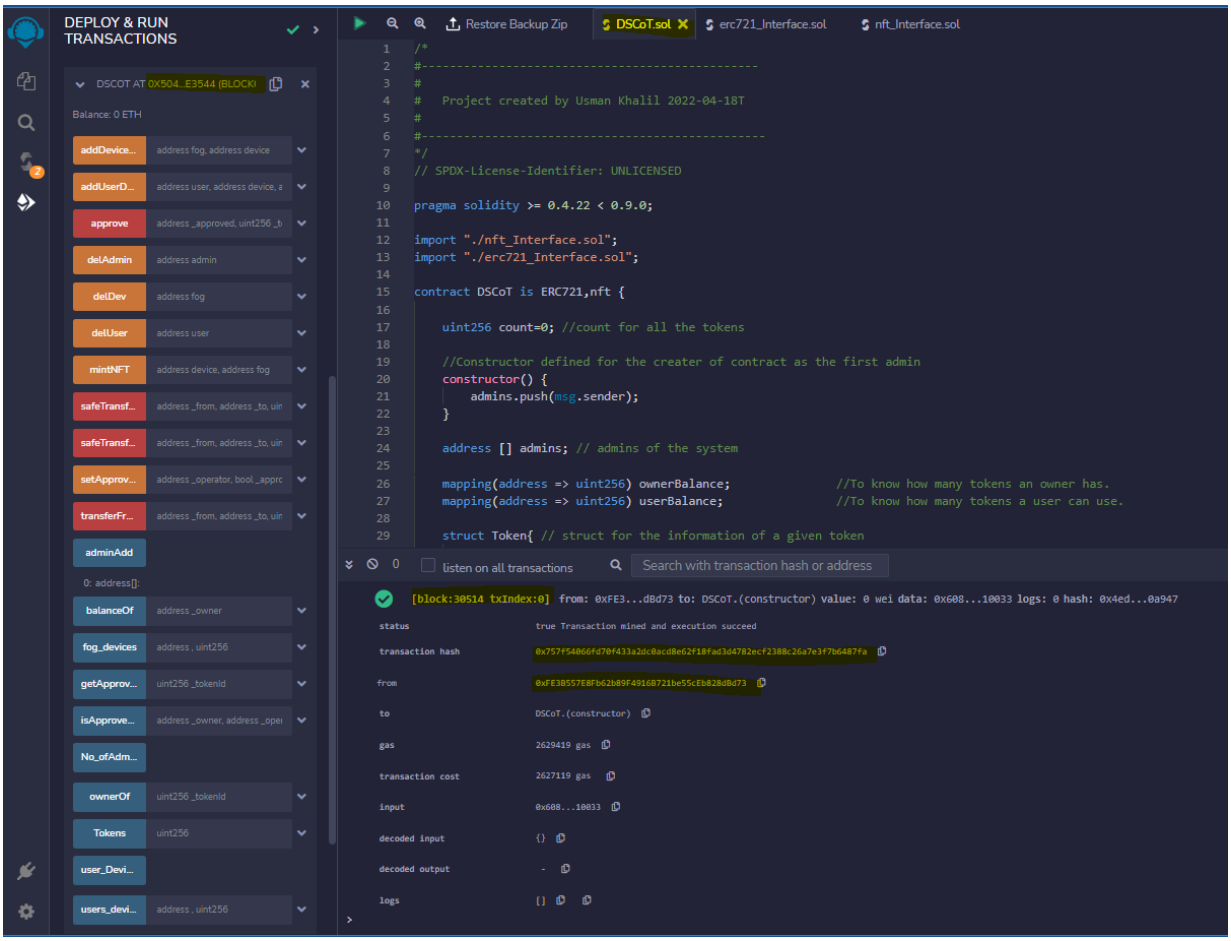

Figure 4. Deployment details of the proposed DSCoT SCs

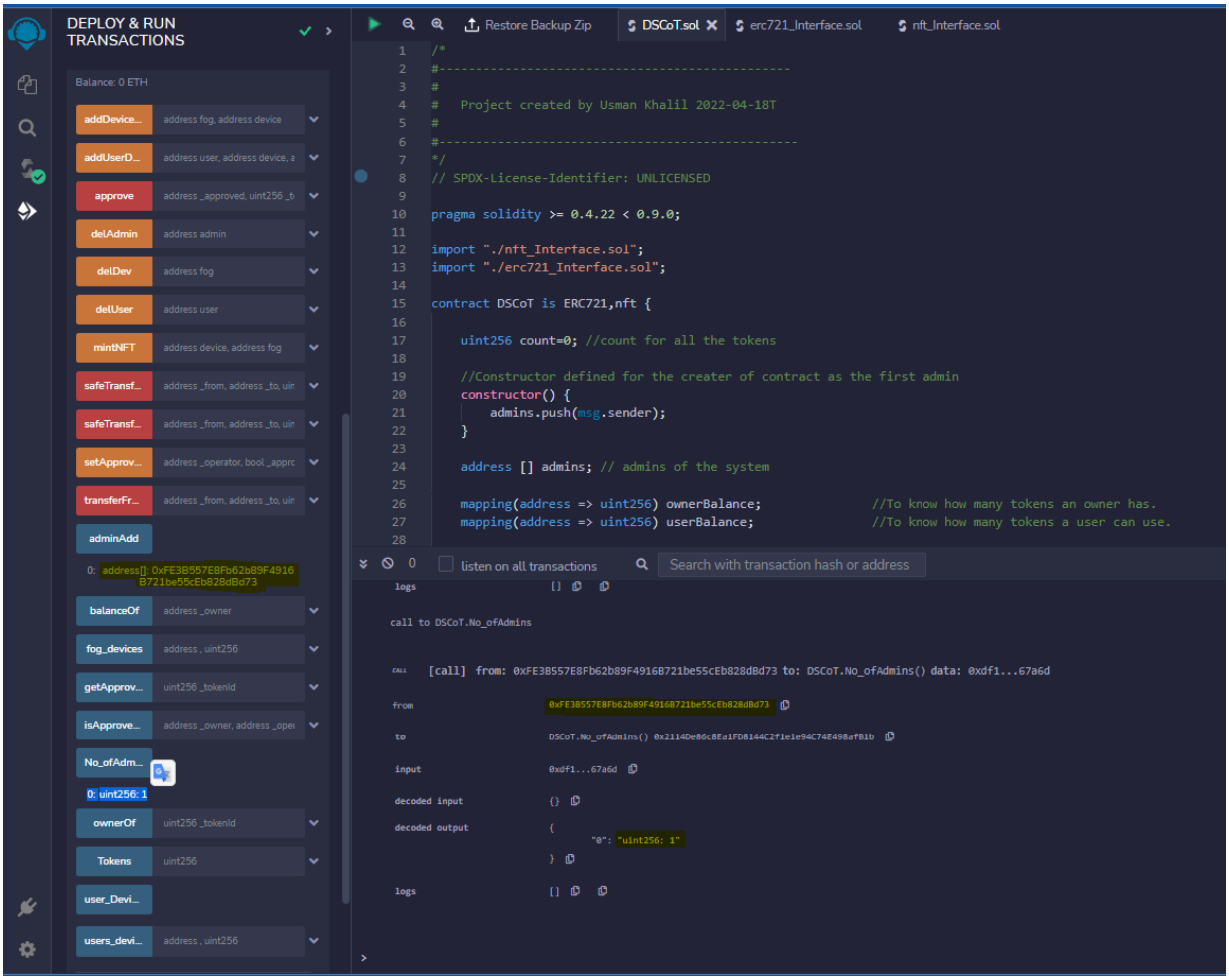

Figure 5. The proposed DSCoT ~ adminAdd() and No_ofAdmin () functions

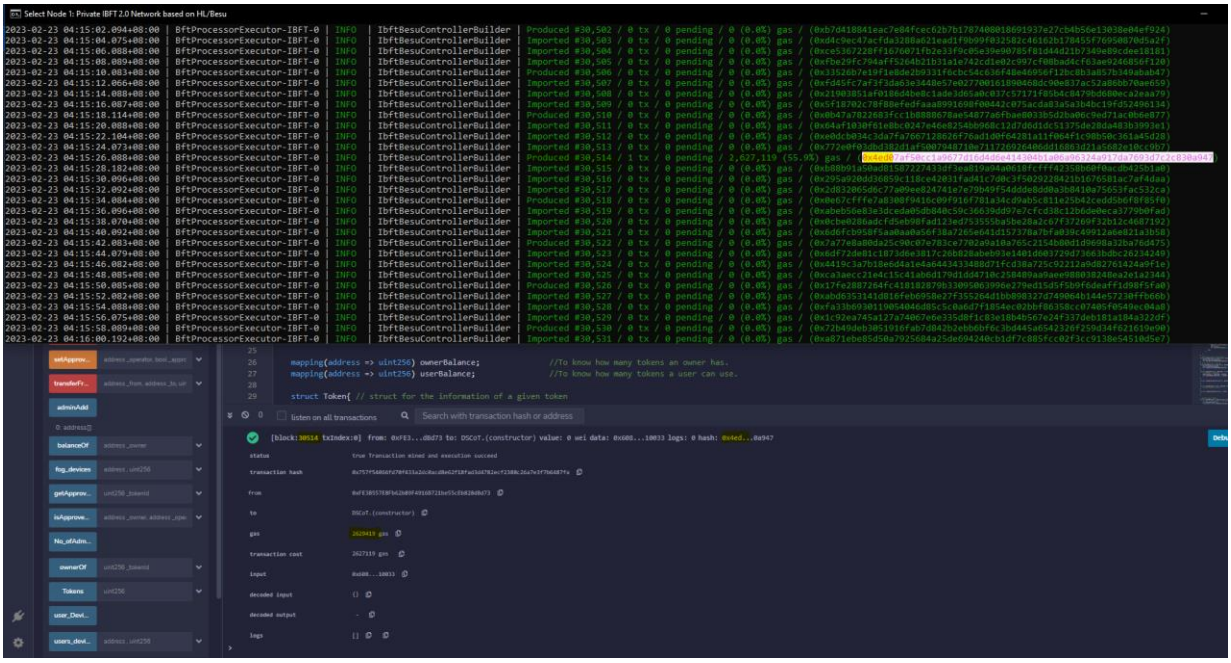

Figure 6. Tx confirmation on private Hyper Ledger Besu network

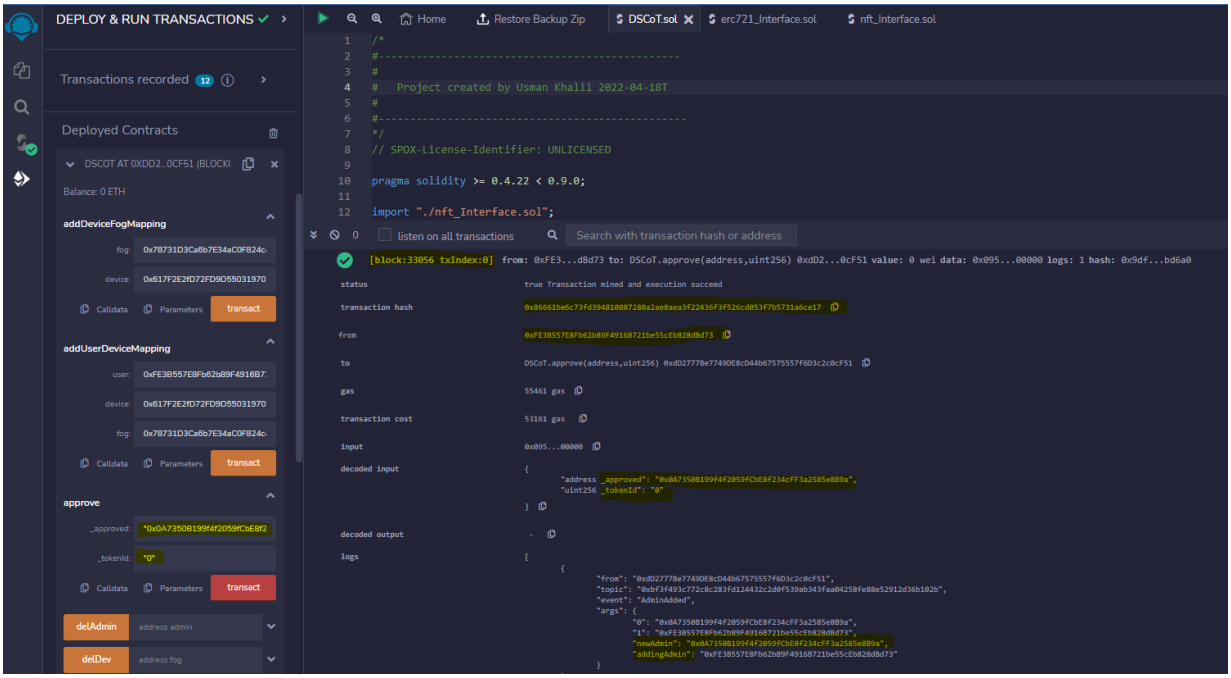

Figure 7. The proposed DSCoT ~ appove() function

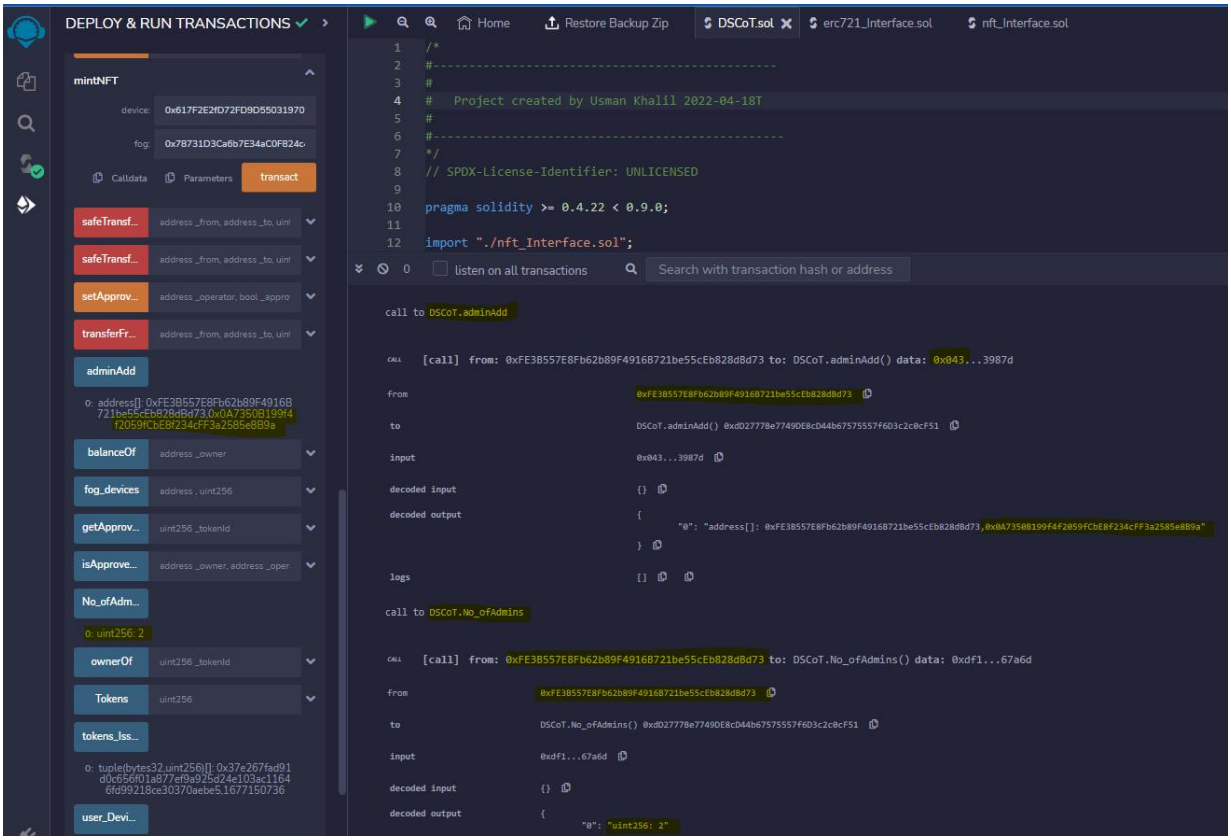

Figure 8. The proposed DSCoT ~ adminAdd() and No_ofAdmin () functions

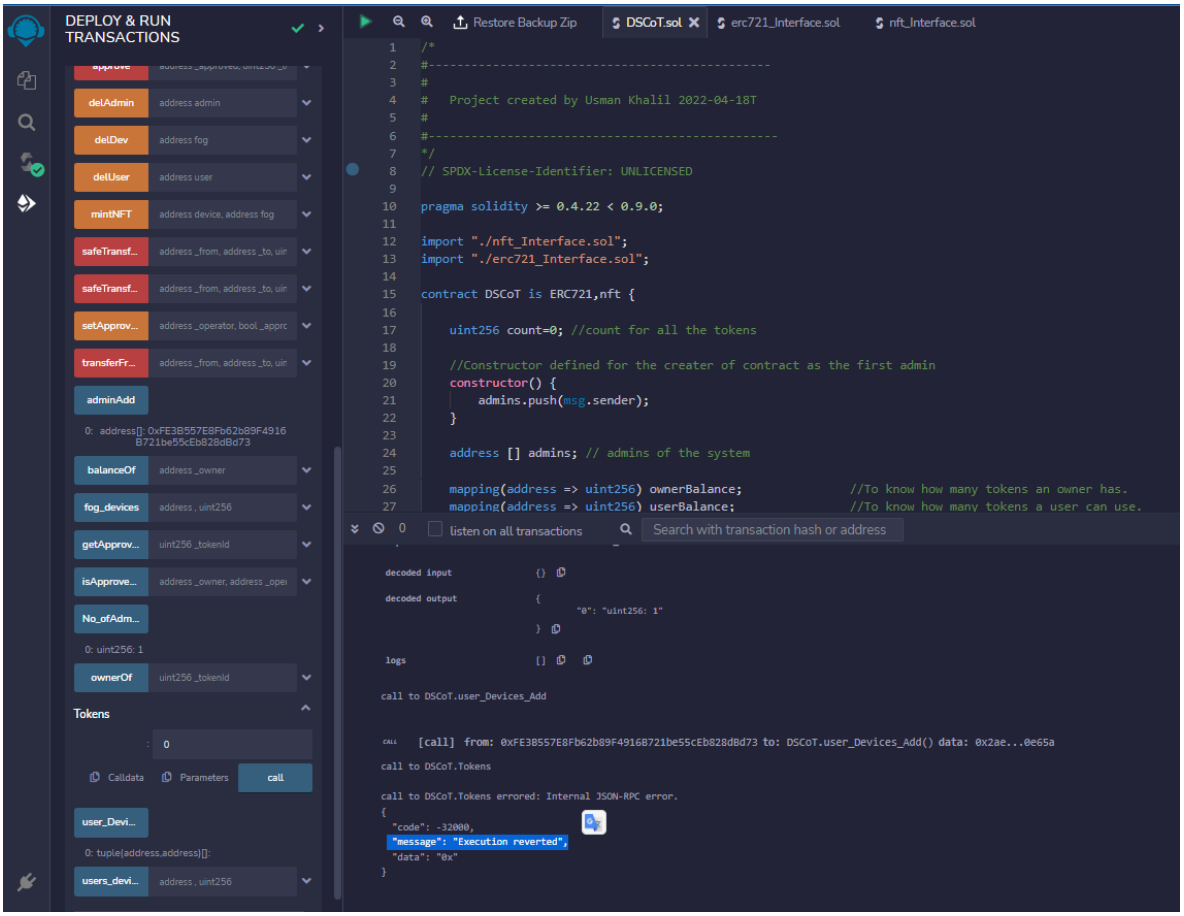

Figure 9. Tx denied as no payload exists

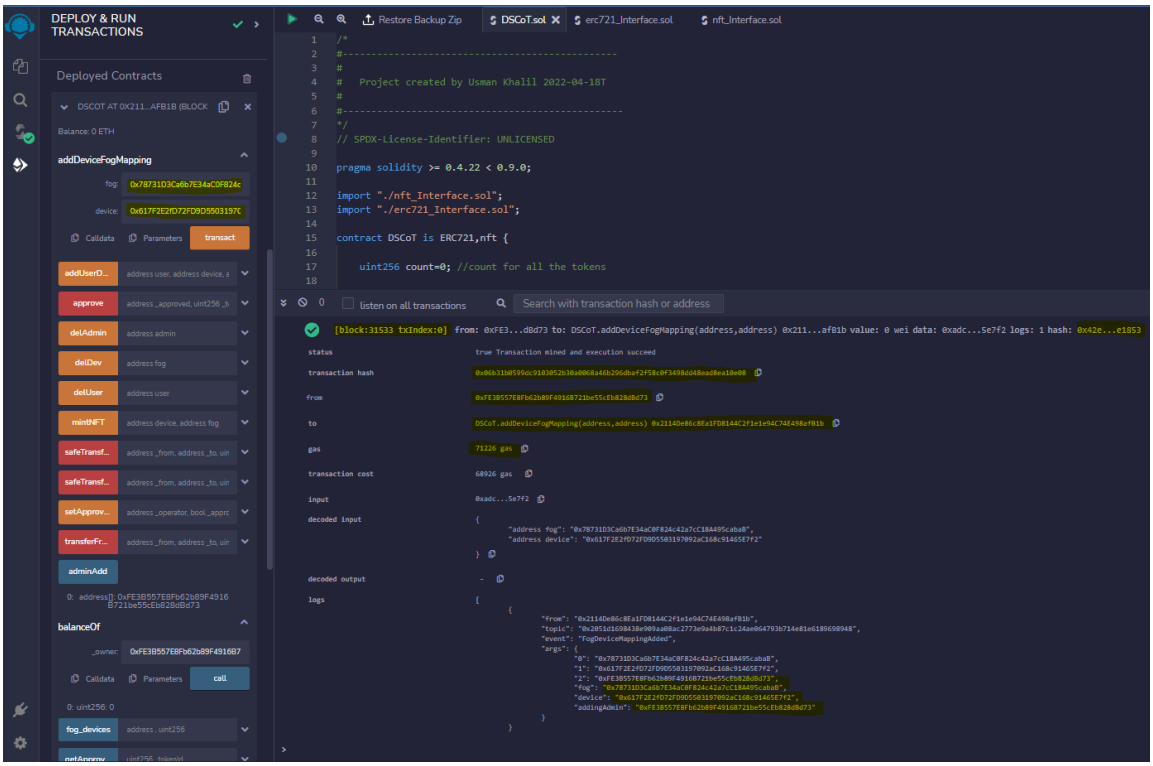

Figure 10. The proposed DSCoT ~ addDeviceFogMapping() function

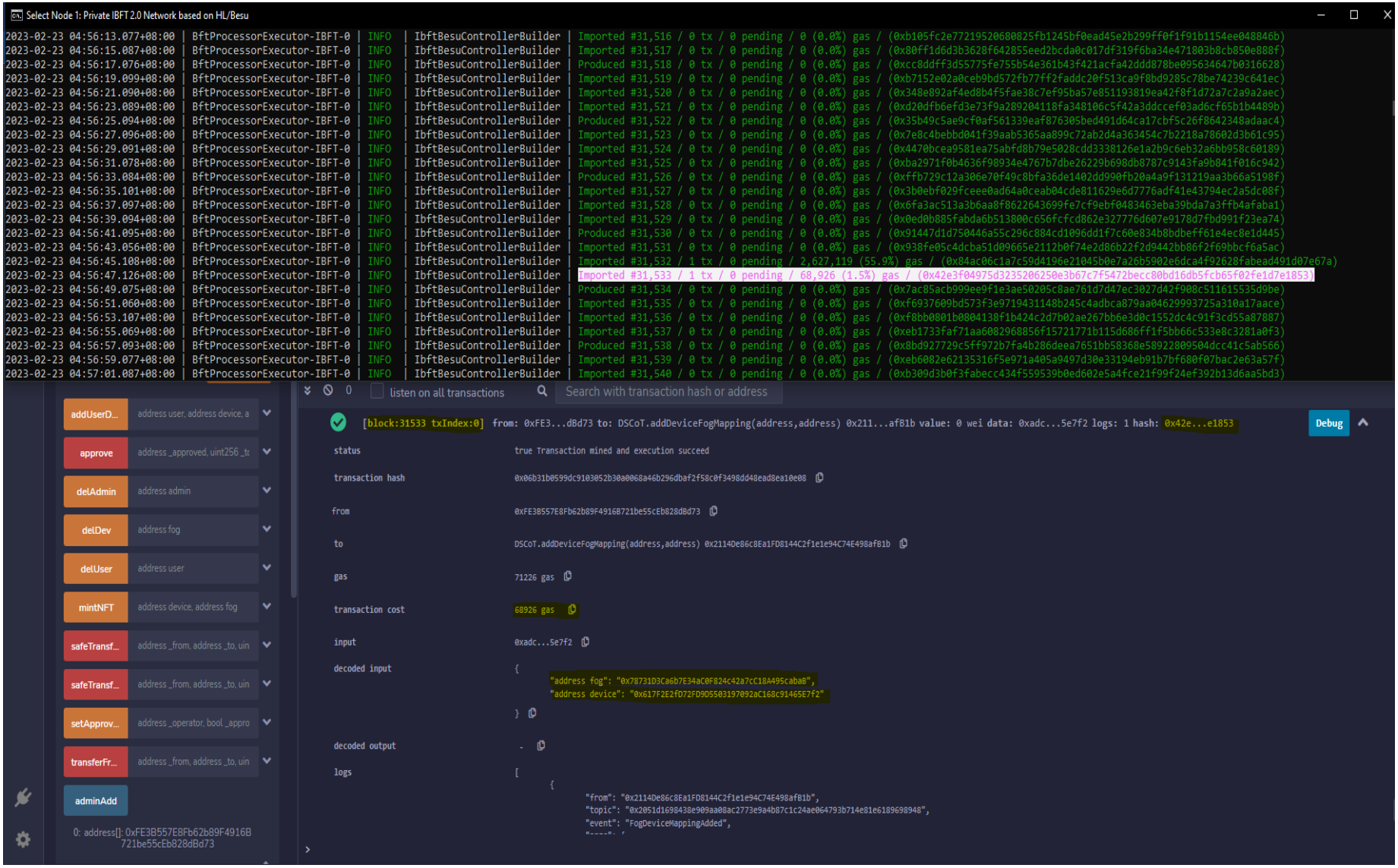

Figure 11. Tx addDeviceFogMapping() confirmation on private Hyper Ledger Besu network

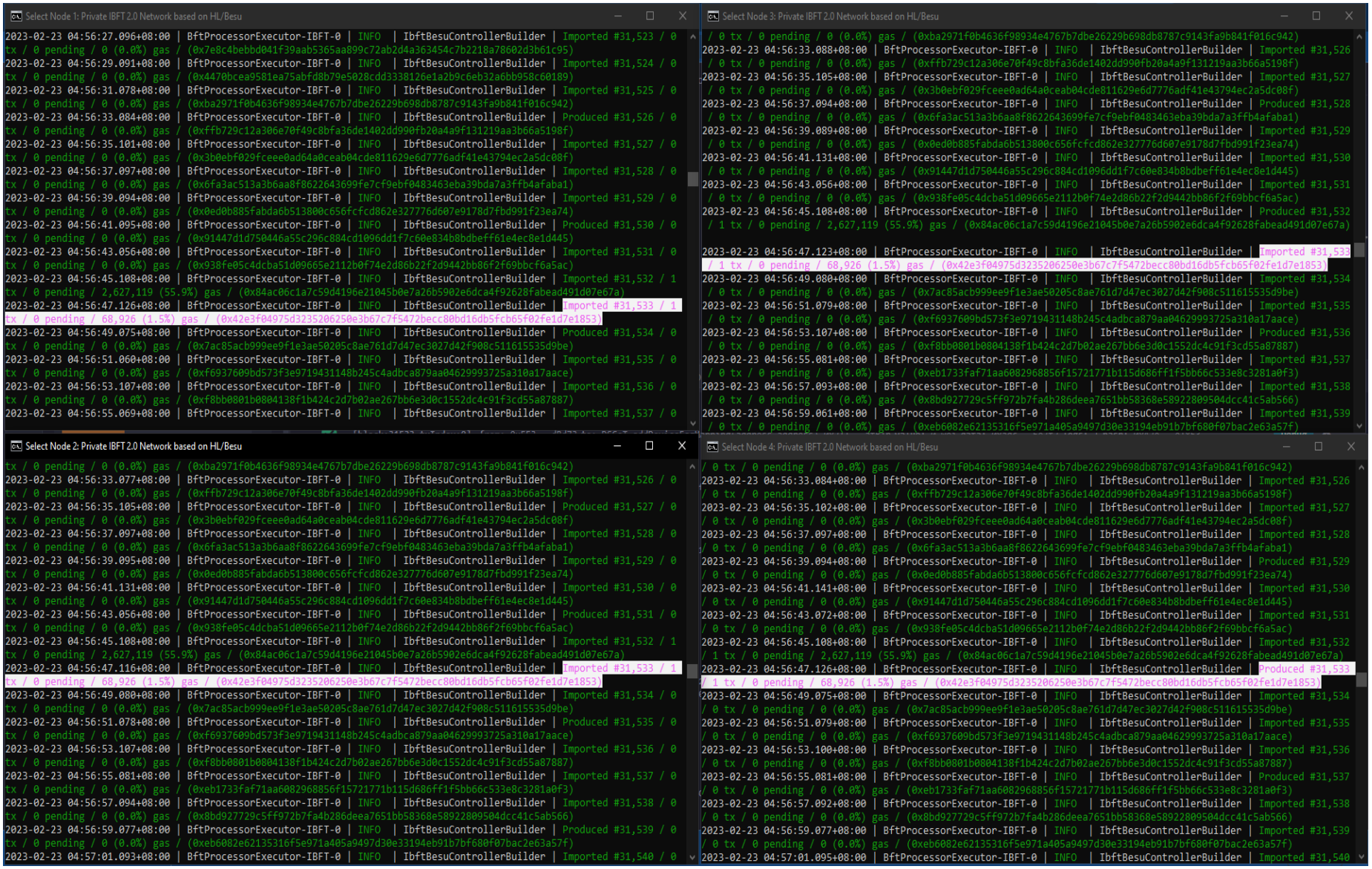

Figure 12. Tx addDeviceFogMapping() confirmation on all nodes in the private Hyper Ledger Besu network

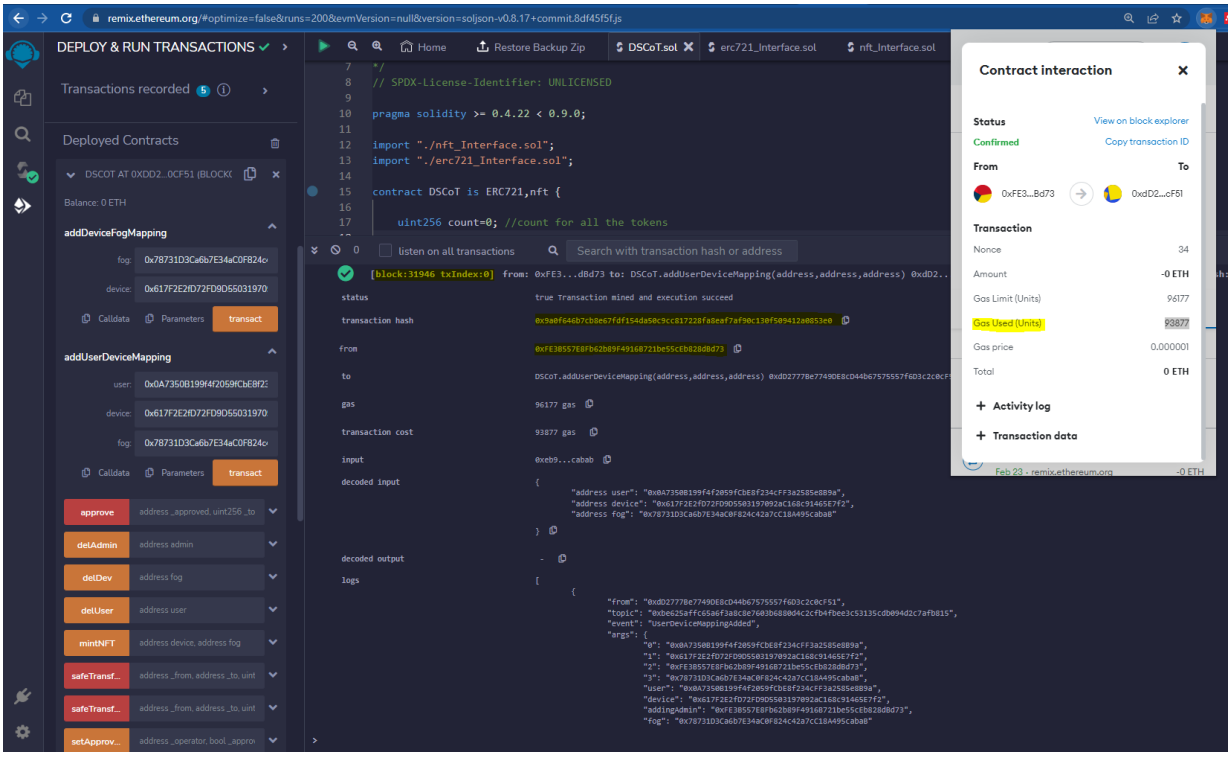

Figure 13. The proposed DSCoT ~ addUserDeviceMapping() function

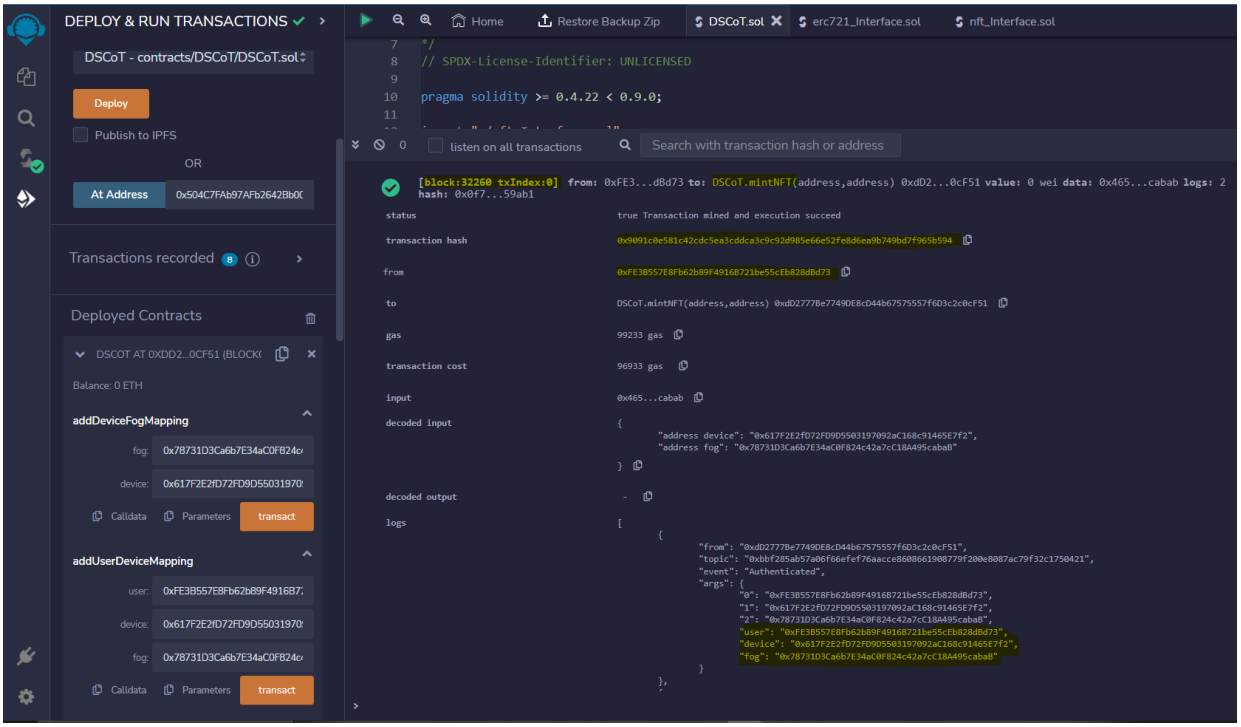

Figure 14. The proposed DSCoT ~ addUserDeviceMapping() function

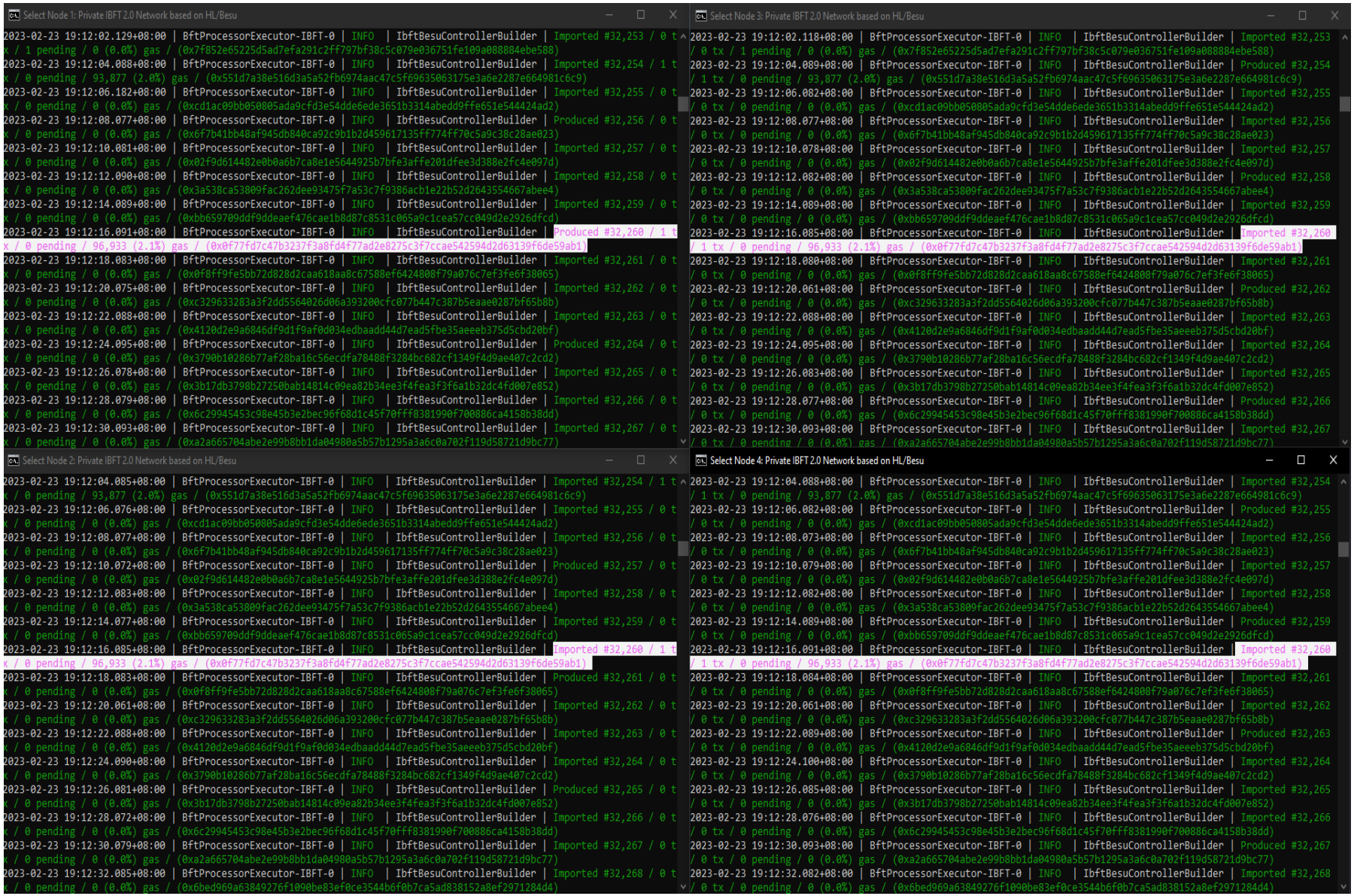

Figure 15. Tx addUserDeviceMapping() confirmation on all nodes in the private Hyper Ledger Besu network

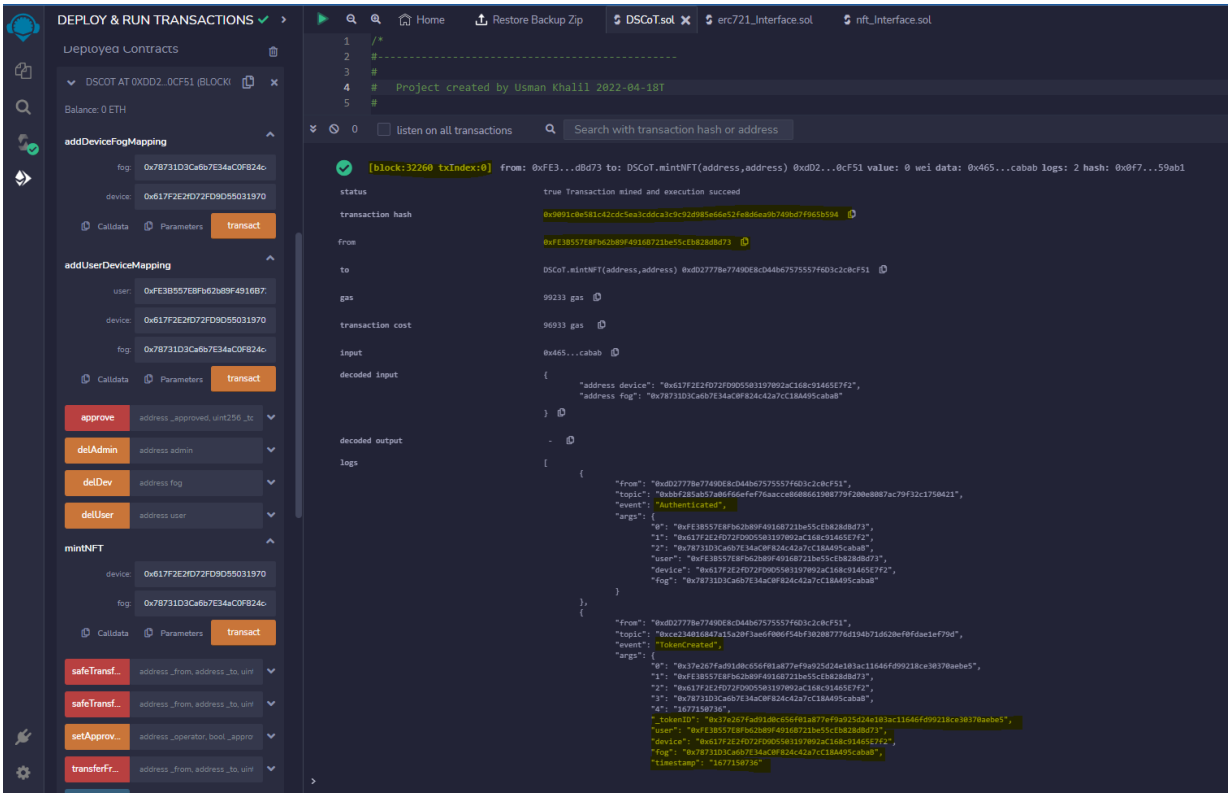

Figure 16. The proposed DSCoT ~ mintNFT() function

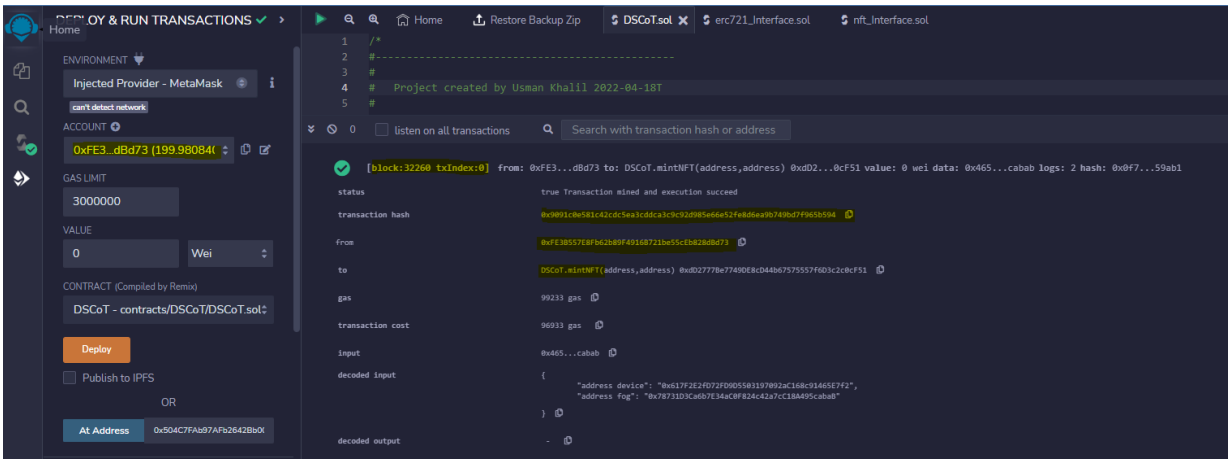

Figure 17. EOA_{Owner} as EOA_{User} ~ mintNFT() function

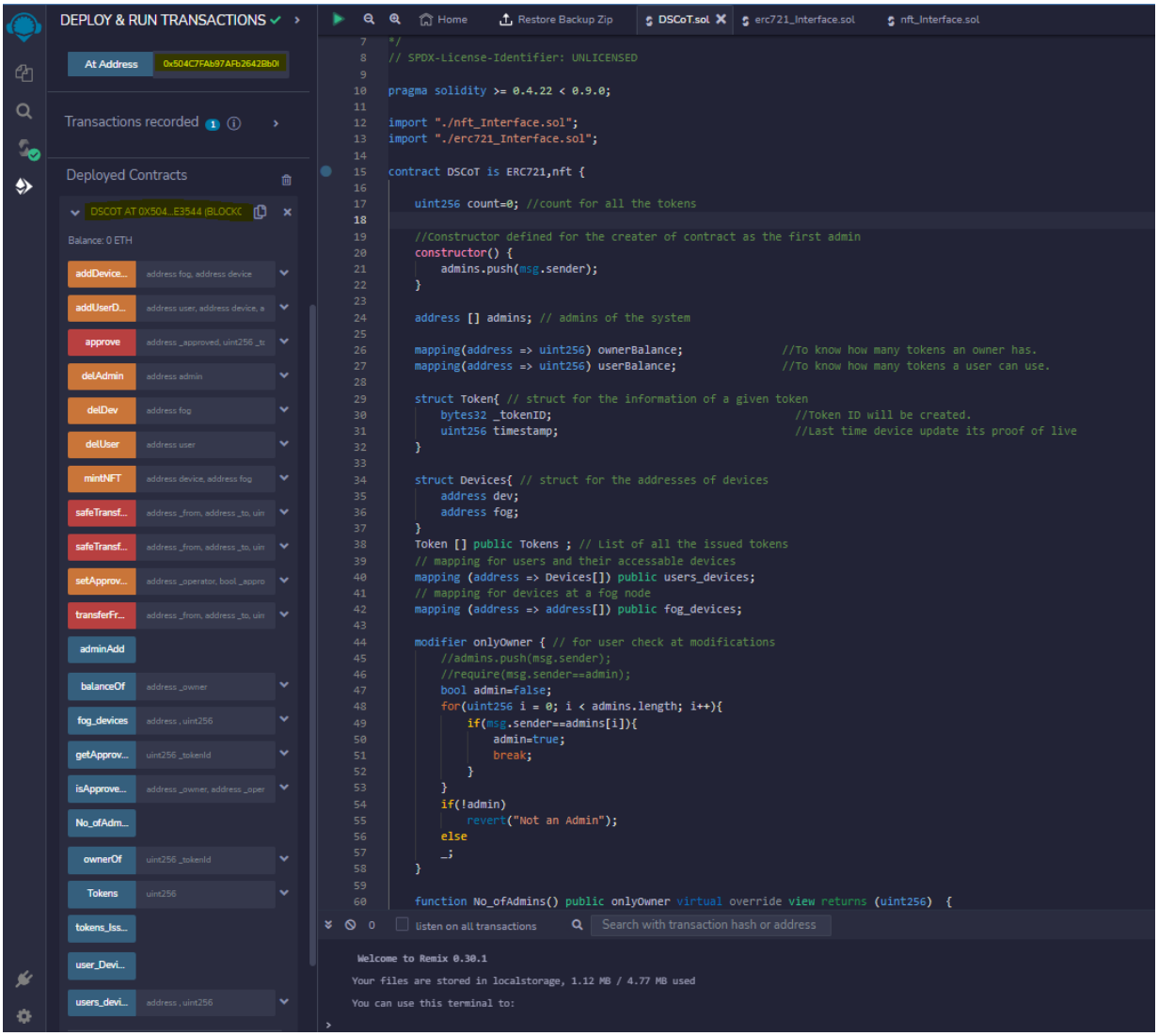

Figure 18. Accessing the deployed contract