Security And Forensics Lab

29th October 2024

Assignment - 9

1. Implement and simulate the CHORD algorithm of file sharing.
2. Simulate an eclipse attack on the third server which will be joining the network for the CHORD file sharing network.

Note:

a. CHORD is a decentralized protocol designed to efficiently locate a node that stores a particular data item in a peer-to-peer network. The algorithm uses consistent hashing to map both nodes and data onto an identifier space, distributing data across nodes in a scalable way.

b. An eclipse attack is an attack where the intruder creates false nodes around the network to manipulate the affected node.