Abstract

For specific data processing activities a data distributor has to give the sensitive data to a set of third party agents. The distributor’s copy of data that had been transmitted to agents may be leaked by any of them. It is necessary to identify the agents that have leaked data. To improve the chances of detecting leakage data and the guilty agents, private object is created for each record that is sent to various agents. The agent guilt model is used to find the probability of identifying agents that have leaked information. Thus it helps the distributor to turn away from that agent and also to protect the responsive data. Further process can clear the data if the agent had sent data to unauthorized person.

References

**Index Terms**

Computer Science  
Information Sciences

**Keywords**

Data Leakage  
Guilt Model  
Private Object