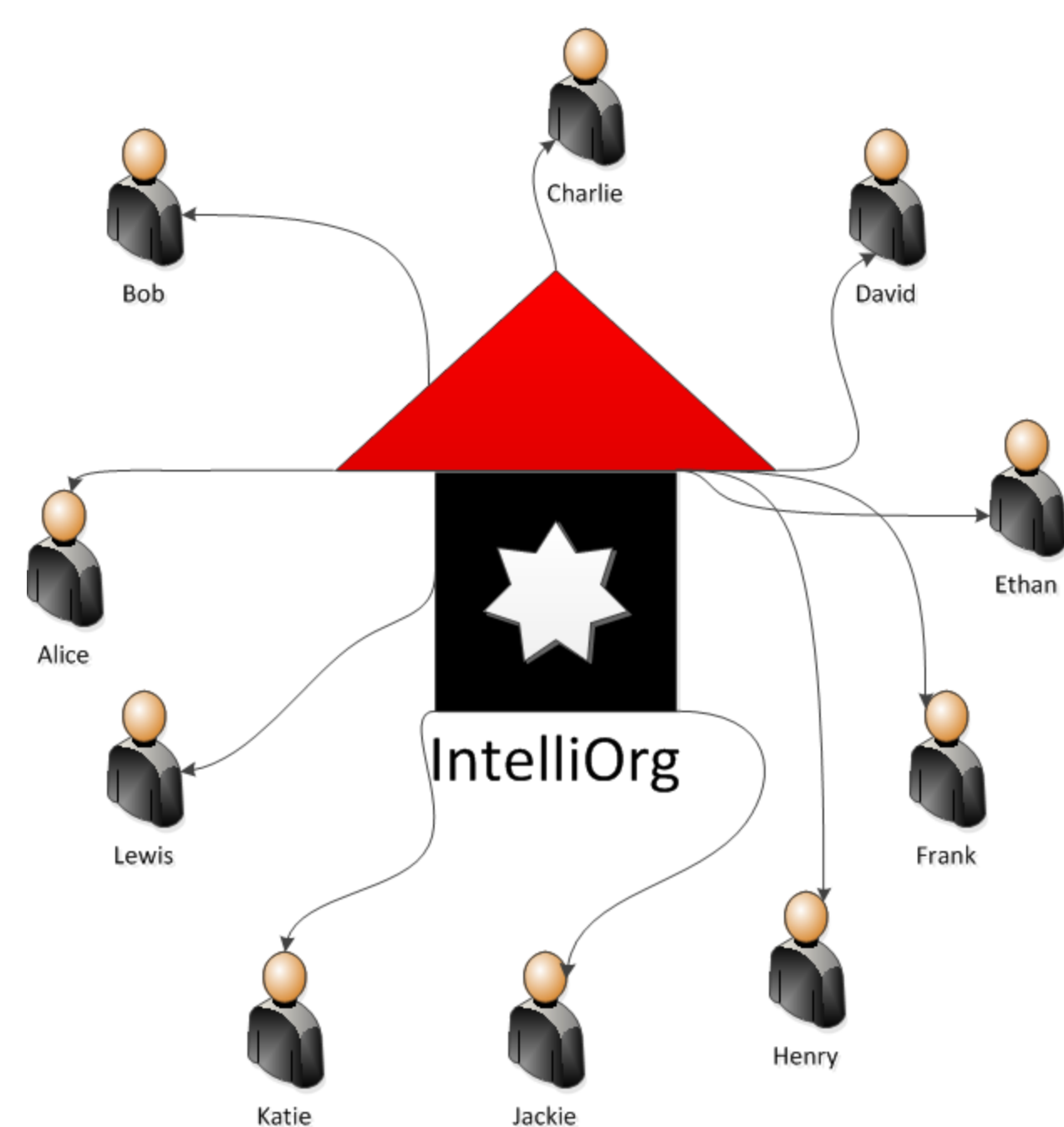


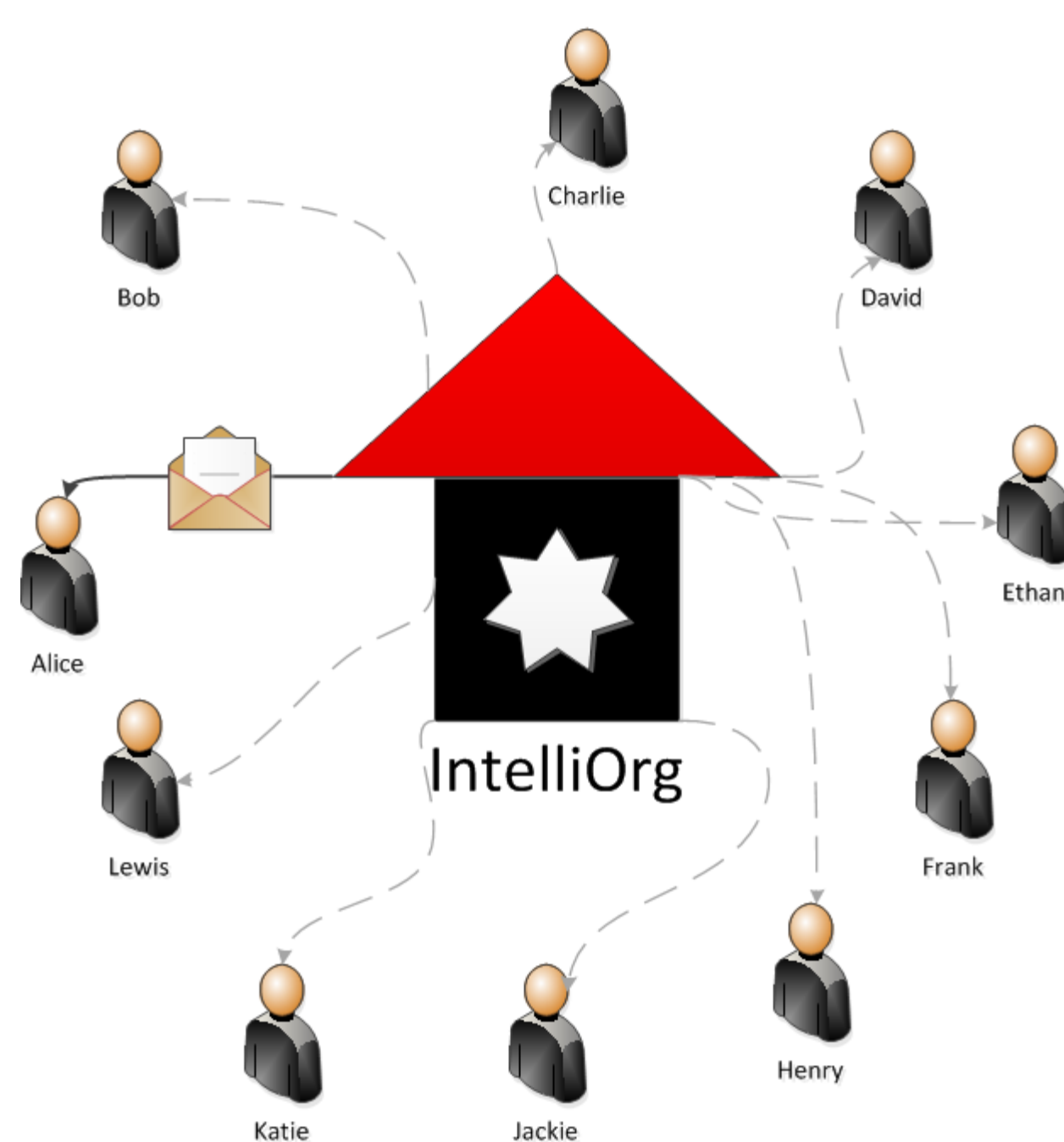
Private Anonymous Messaging

Ruchith Fernando, Bharat Bhargava

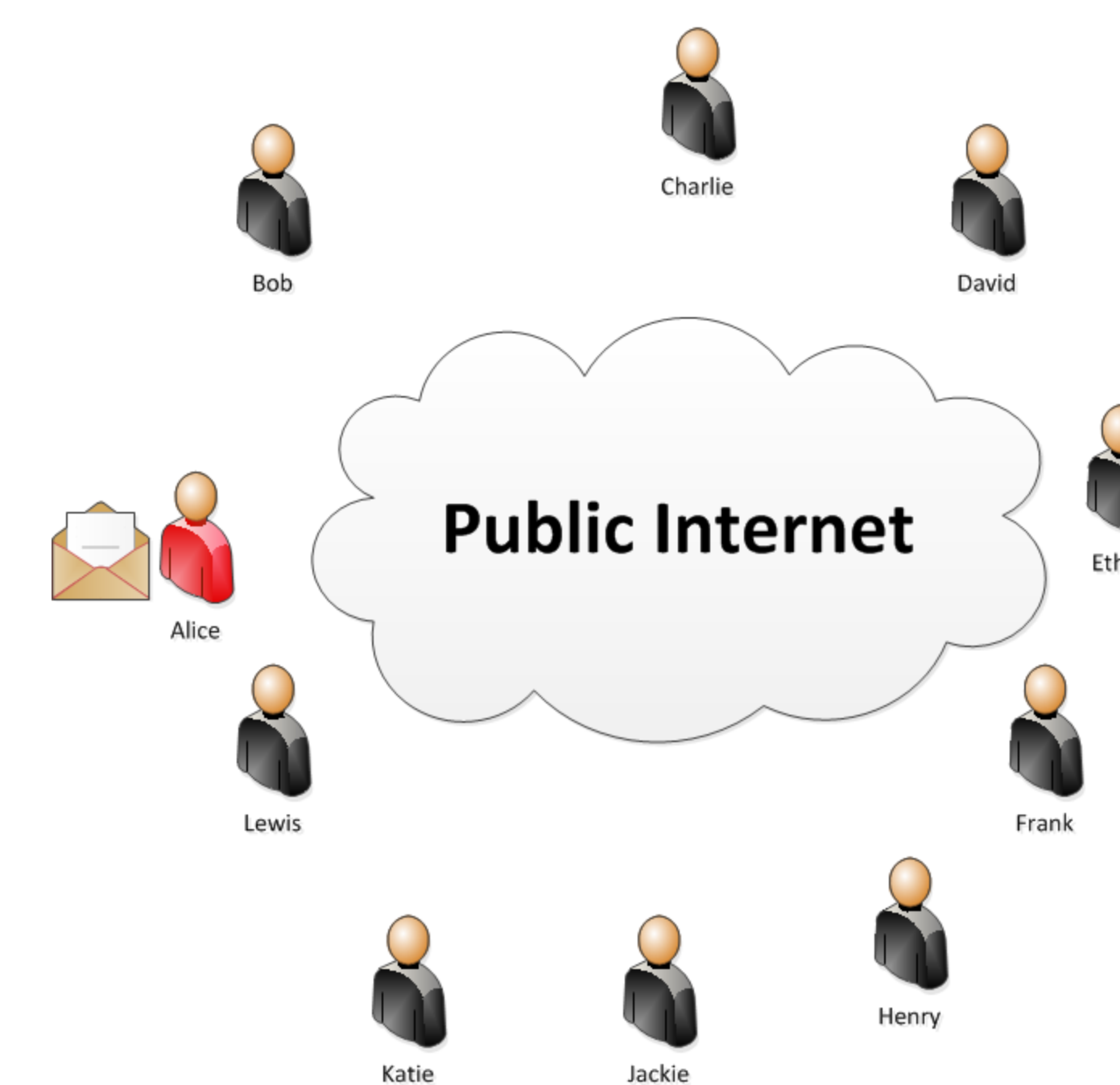
Department of Computer Science & The Center for Education and Research in Information Assurance and Security
Purdue University



Secret Agents of IntelliOrg



Message sent to the only available agent

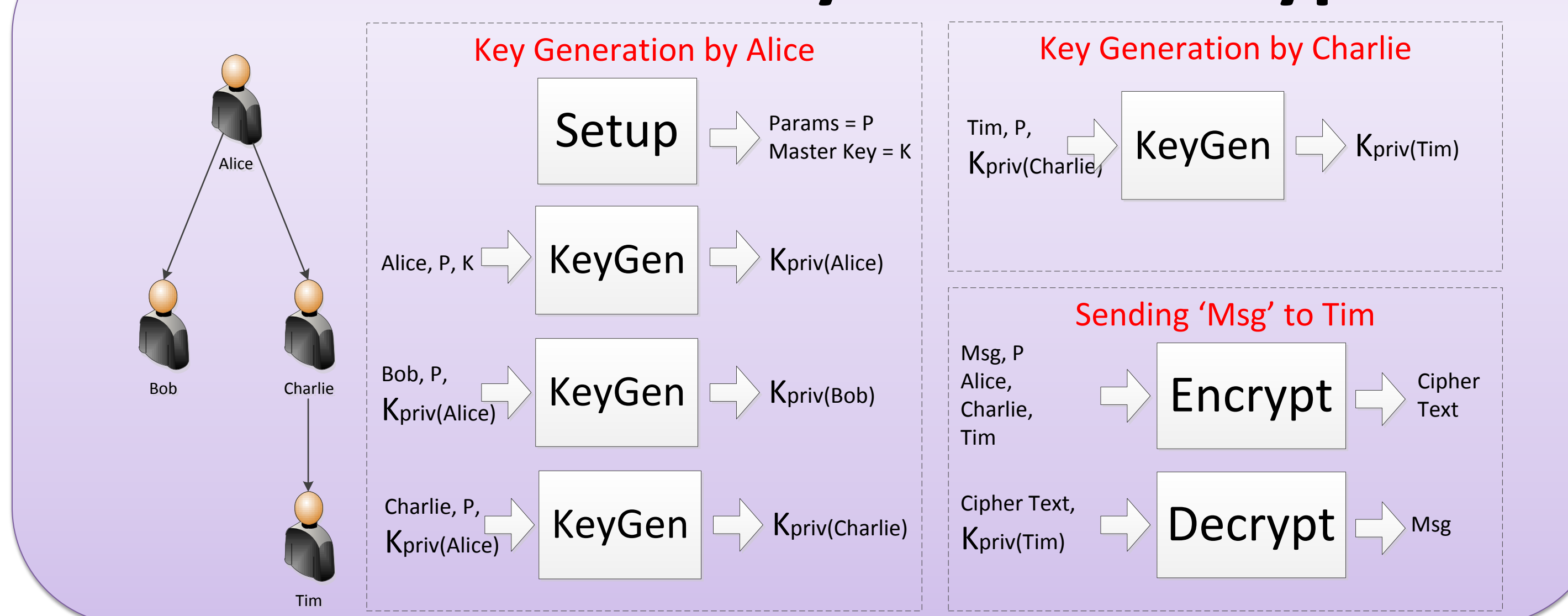


The organization is no longer accessible and other agents need the message

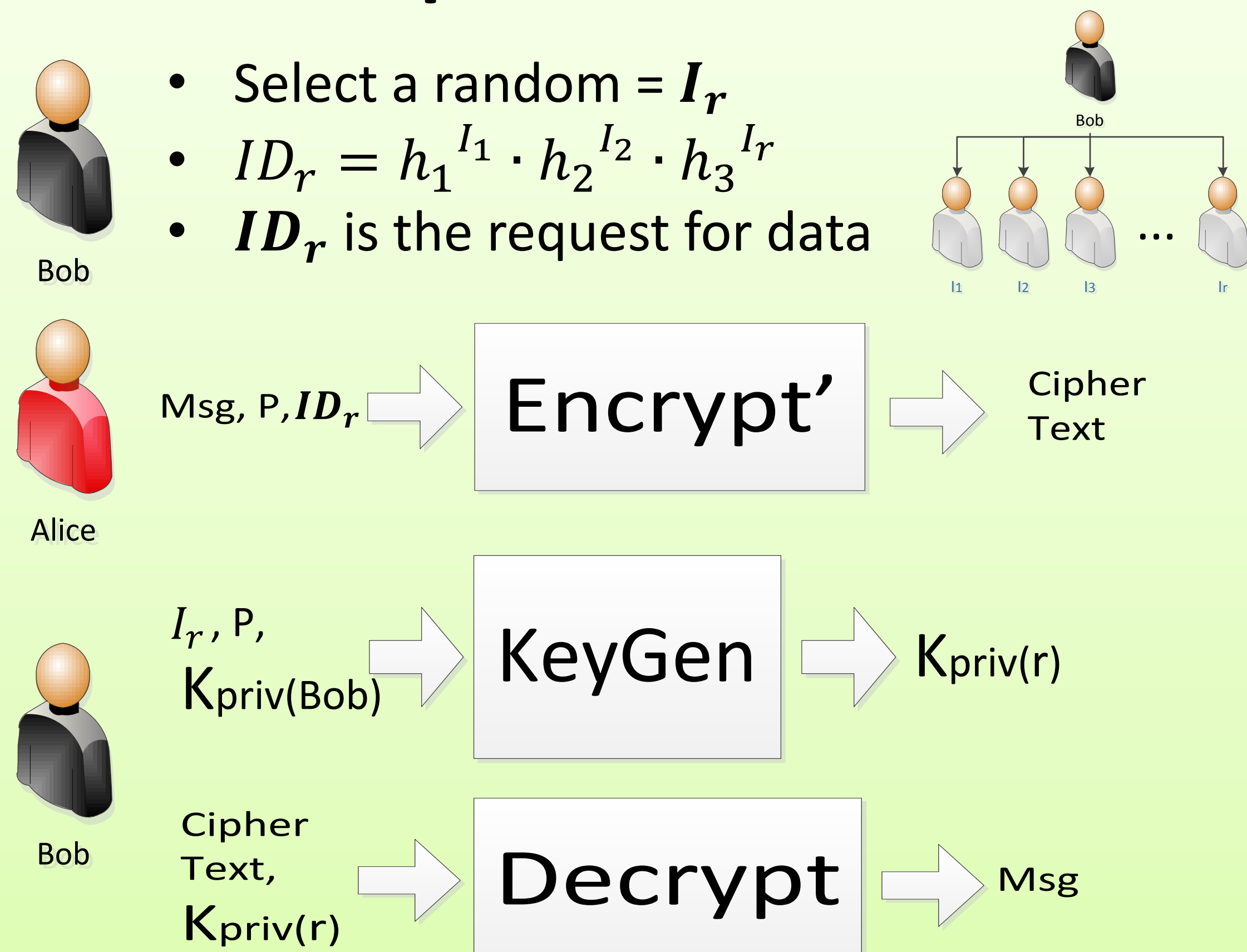
Requirements

- Dynamic set of agents
- Agents do not know each other
- Obtain messages from other agents
- Use public network
- Requester and provider anonymity

Hierarchical Identity Based Encryption



Proposed Scheme



Group Membership Changes

