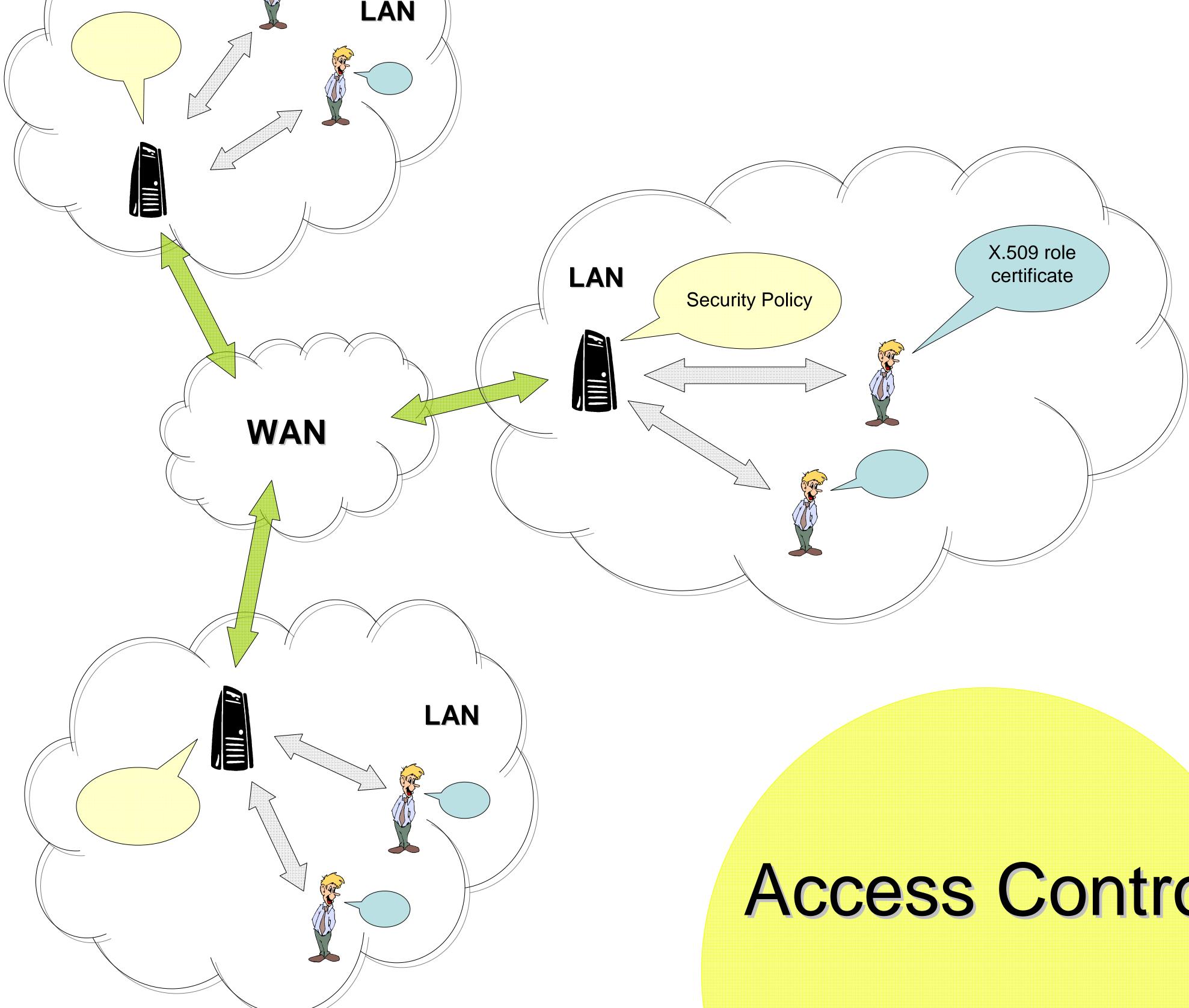
Role-Based Access Control for Group Communication Systems

Jacques Thomas, Cristina Nita-Rotaru, Ninghui Li {jthomas, crisn, ninghui}@cs.purdue.edu



Issues in GCS Access Control:

- Type of message
- **Operations in groups**
- Roles in groups
 - Access control enforcement
 - Lifecycle of an access control policy
- **Policy language**
- Policy model

Access Control

Secure infrastructure for collaborative applications

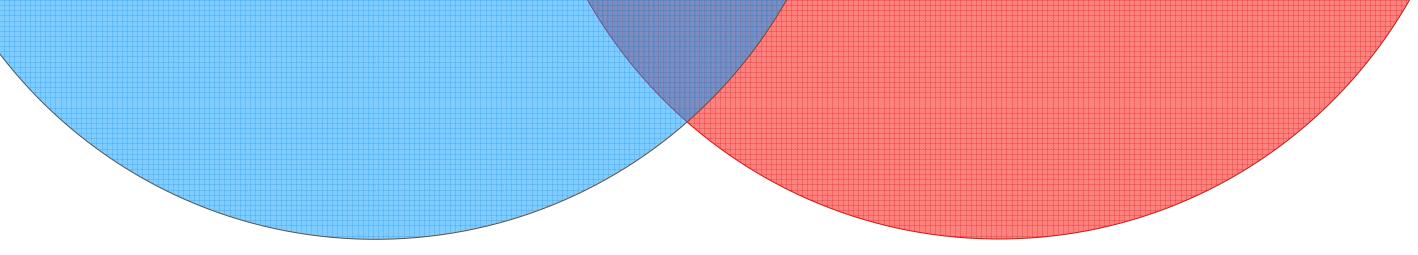
Provides support for :

 Confidentiality •Integrity Authentication

Group Key Management

Group Communication System

Provides support for group services: •Group membership •Reliable message delivery •Ordered message delivery





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