

On the security of delegation in access control systems

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Summary

Delegation in an Access Control System induces security flaws from users colluding with each other, therefore there is a need in identifying these security flaws and introduce mechanisms to enforce security in delegated systems.



Appreciative Comment

- Good formal modelling of delegation in an access control system
- System is secure when users cannot gain power via delegation – no users can do more than what can initially be done



Appreciative Comment

- Source/performer constraint
- Flexible system
- Intuitive – if there is no conflict between parties then there is no possibility of security breach



Critical Comment

- One model fits all?
- Multiple levels of delegation



Question

- Where should the trade-off between system security and flexibility lie?