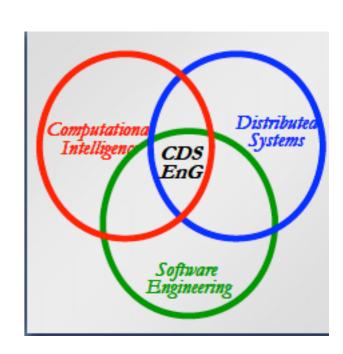
Privacy in Cooperative Distributed Systems: Modeling and Protection Framework

by

Afshan Samani

"A thesis submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy"

- Reaction Paper 2





Evolution from CDS Agent to Privacy-Aware Agent

- CDS Agent Model and Privacy Analysis
- Privacy-Aware Agent Model



Agent Based Model to Privacy Model

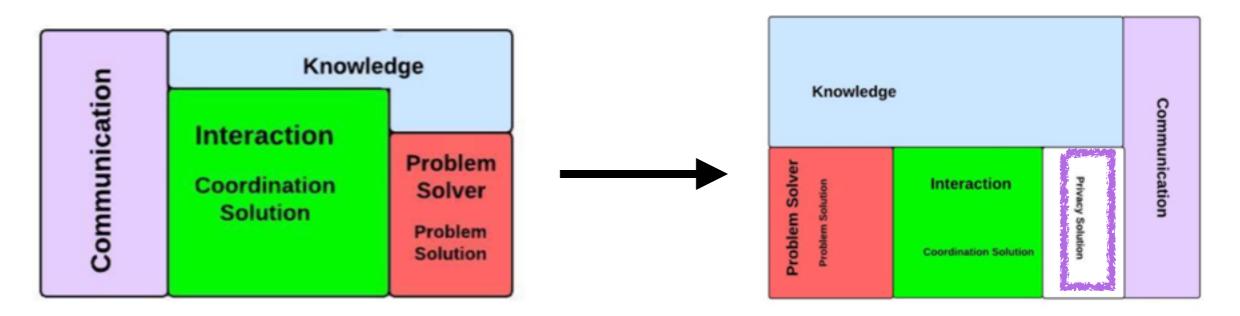


Figure 1. Computation Entity in CDS

Figure 5. Privacy solution in relation with interaction in the computation entity in CDS environment

Privacy Model concerns Information boundary and Operation



Privacy-Aware Agent Model

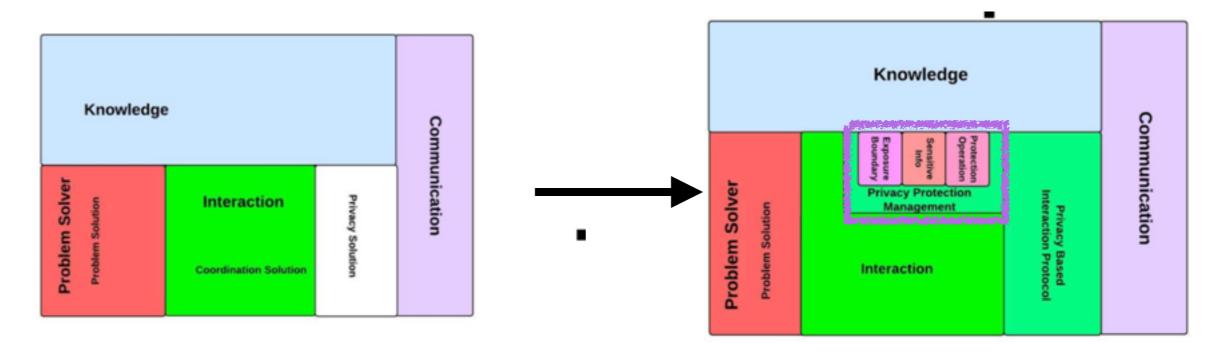


Figure 5. Privacy solution in relation with interaction in the computation entity in CDS environment

Privacy Protection Management:

- Exposure Boundary
- Sensitive Information
- Protection Operation

Figure 6. The logical architecture of privacy protection management in computation entity in CDS environments



Reactions On Privacy Model

- How to design an Agent
 Knowledge Problem solver Interaction Communication
- How to identify the Privacy-Aware Agent
 Sensitive Information Sharing Boundary Privacy
 Operations(implicit to explicit)



Conclusion

- Privacy As Computation Model
- Thinking Pattern in CDS

Next Step

Future implementation Plan

