Progress report

Yin-Hong Hsu

02 27, 2018

Outline

- The comparison between the reconfigurable scheme [1] and our region based scheme
- The previous one can provide anonymity for the device which under the router
- And the following one can provide anonymity for the device connected to the base station

system architecture of [1]

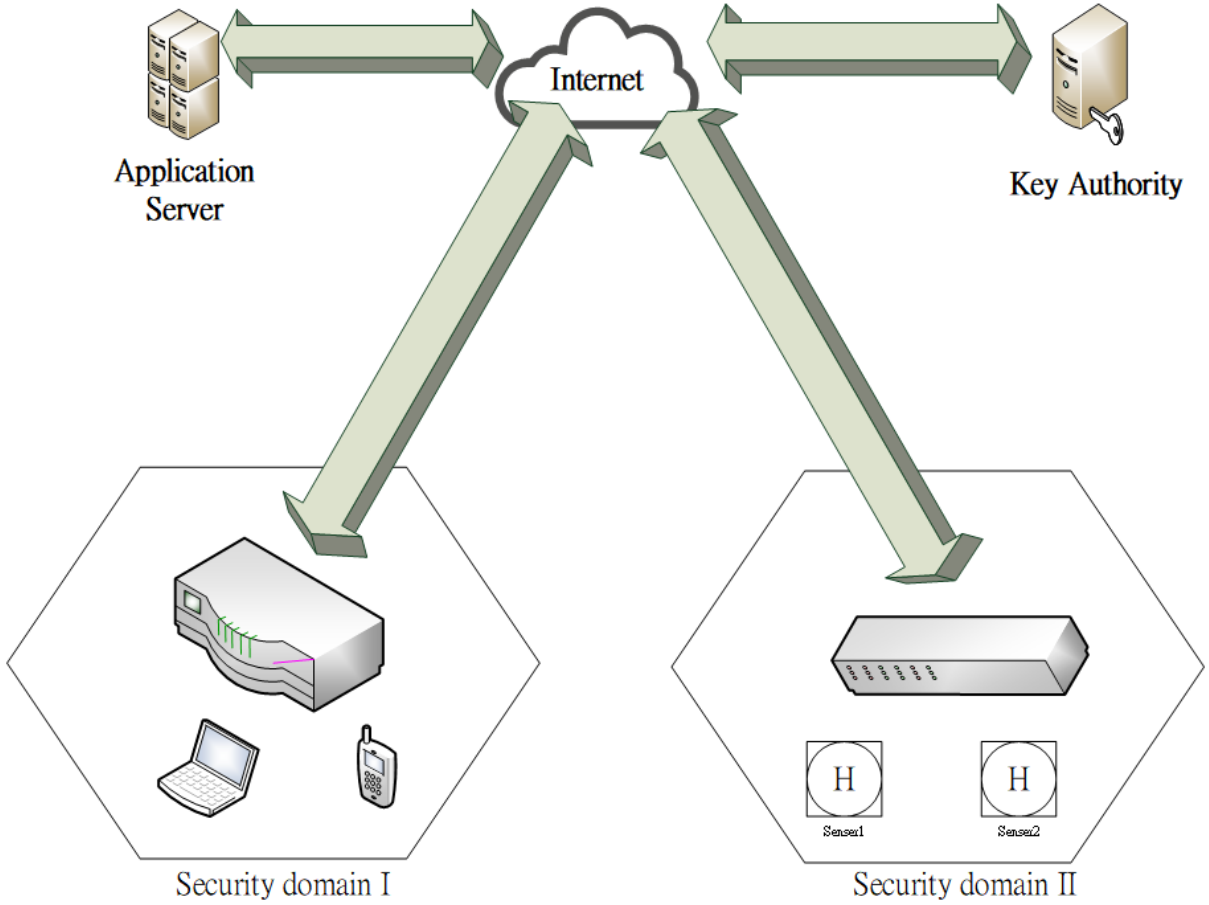
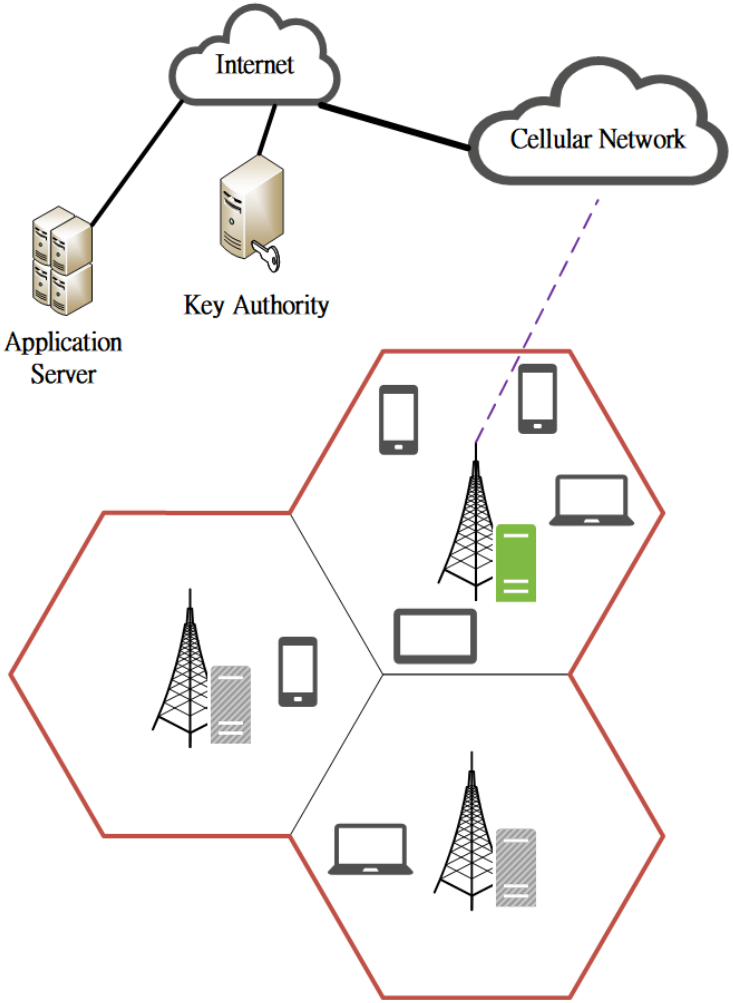


Figure: system architecture of [1]

proposed system architecture



Problem

- ring/group signature on privacy-preserving issue is not suitable to [2]

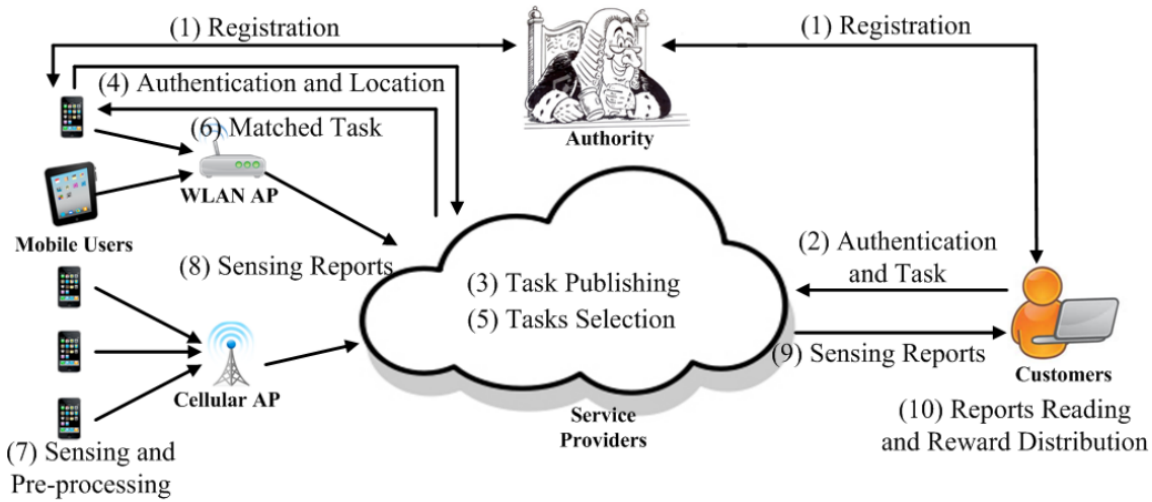


Fig. 1. System Model of Mobile Crowdsensing.

References

[1] R.-H. Hsu, J. Lee, T. Q. S. Quek, and J.-C. Chen, "Reconfigurable Security: Edge Computing-based Framework for IoT," *ArXiv e-prints*, Sept. 2017.

[2] J. Ni, K. Zhang, X. Lin, Q. Xia, and X. S. Shen, "Privacy-preserving mobile crowdsensing for located-based applications," in *2017 IEEE International Conference on Communications (ICC)*, May 2017, pp. 1–6.

Thanks for Your Attentions