Mobile Privacy in 2025

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RSA ®

Key Security Challenges

- Flash network traffic

- Security of radio interfaces

- User plane integrity

- Mandated security in the network

- Roaming security

- Denial of Service (DoS) attacks on the infrastructure

- Signaling storms
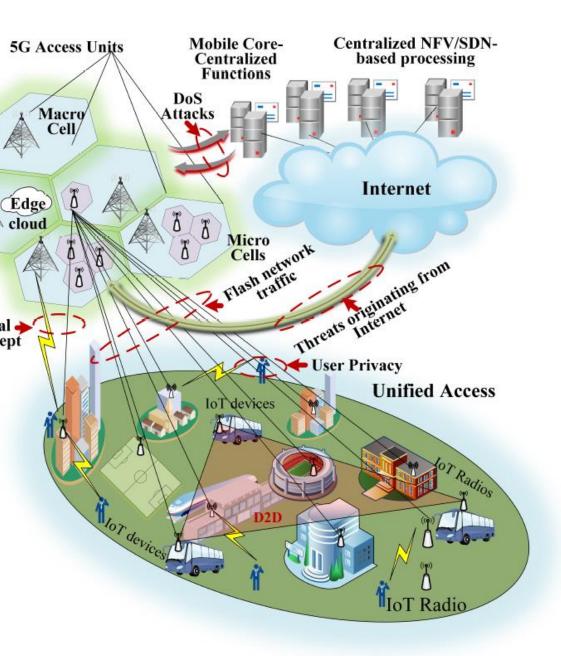
- DoS attacks on end-user devices

Attack Surfaces

- Mobile Clouds
- SDN and NFV
- Communication Channels

Mobile Privacy in 2025

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Risk to Privacy

- The major privacy concerns could arise from user data, user location and identity

- The more information there is that can be gathered from a mobile device the more it will become a target.

- There are already lots of juicy information in a mobile device today and it will be more come 2025.

- By 2025, mobile devices will have more computing power and more storage making it very ripe (if not already) for taking lots of computing tasks that will store lots of private information.

Information that must be protected

- Financial credentials
  - Online banking through apps
  - Paying and receiving money
    - Apple Pay, Android Pay
    - Paypal, Venmo
- Biometrics
  - Fingerprints
  - Facial Recognition
- IoT Controller
  - Smart home
  - Smart cars
- Digital ID
  - Insurance cards
- Software Tokens
- Enterprise Credentials