IEEE Symposium on Security and Privacy (Short-talks Group-2 IEEE SP 2020)



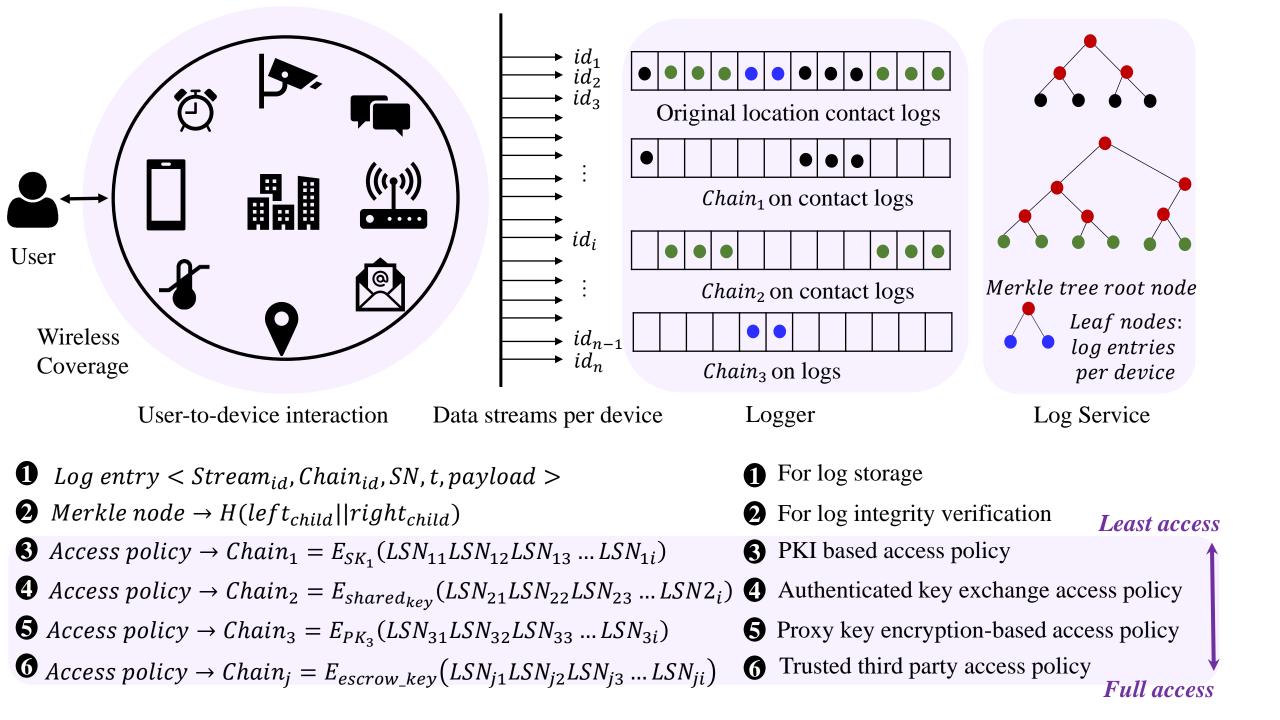
Nisha Panwar Augusta University (npanwar@augusta.edu)

Privacy Preserving Model for Contact Tracing Logs

Keywords: localization, privacy, integrity, confidentiality

Contact Tracing Checklist

- Pre-pandemic privacy for contact tracing logs \rightarrow permission-based
 - Can user conditionally grant access to the contact tracing data?
- During pandemic most recent traces have \rightarrow highest entropy
 - Can health service providers and virus containment monitoring services have access to most recent traces?
- Tunable privacy revealing window \rightarrow delay the permission-based access
 - Can we leverage a time-released access that would eventually transition into fully permission-based access?
- The minimal access to trace logs should be enough to elevate and isolate those at high-risk



Questions?

Nisha Panwar Email: npanwar@augusta.edu