



### Plans (Past Week)



Initial plan: Utilize Trusty from AOSP for password manager application development



Setup Trusty environment and explore development possibilities

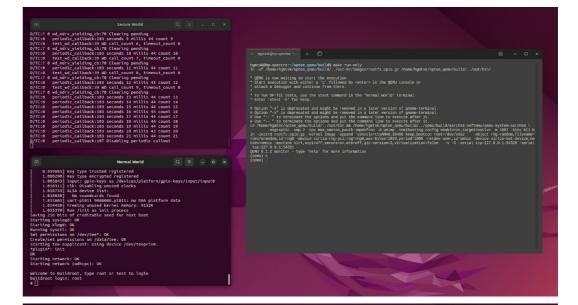


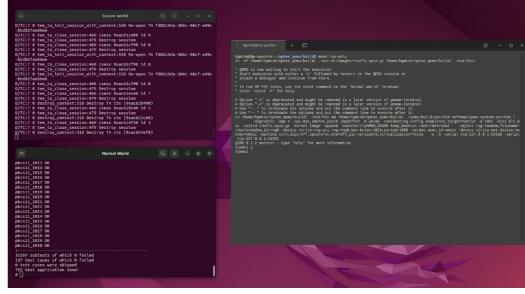
Expected progress: Begin development of password manager application on Trusty



- Encountered limitations with Trusty: Unable to develop application due to platform restrictions
- Decision to switch to OP-TEE for development
- Setup OP-TEE environment and successfully configured QEMU
- Implemented hello world program to establish system functionality

# Screenshot



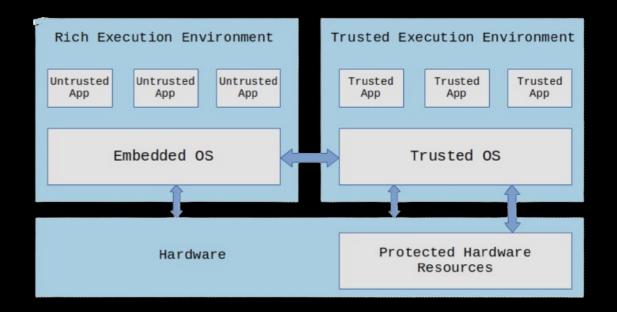


#### Plans (Next Week)

- Define architecture and design considerations for the password manager application within OP-TEE
- Begin implementation of core features, such as secure storage and encryption
- Evaluate multiple Cryptographic method based on security, efficiency, and compatibility with the OP-TEE environment

## OP-TEE System Architecture

 Only trusted applications running on a TEE (Secure World) have complete access to the main processor, peripherals and memory, while hardware isolation protects these from untrusted applications running on the main operating system (Non-Secure World).



#### Summary/Overall Progress







SUCCESSFULLY SETUP OP-TEE ENVIRONMENT AND IMPLEMENTED BASIC FUNCTIONALITY



EXCITEMENT FOR THE NEXT PHASE OF DEVELOPMENT AND ACHIEVING PROJECT GOALS WITH OP-TEE