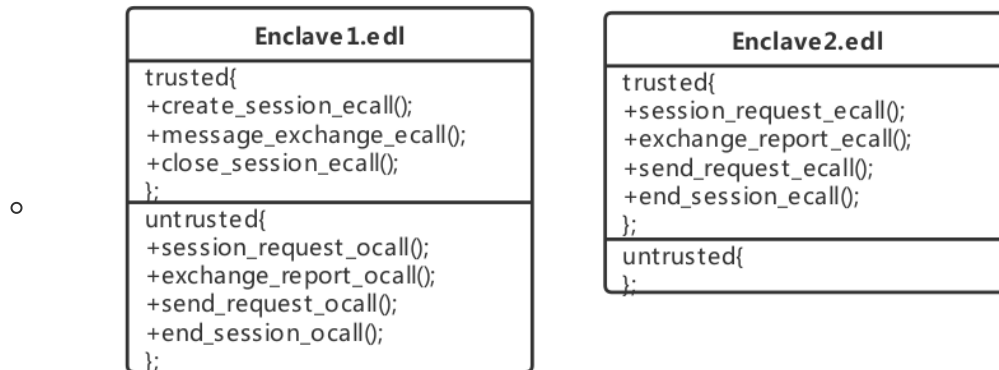


本周已完成任务

- Local attestation



- message exchange

Local Attestation总结

process

1. create Enclave1 and Enclave2
2. create session (Diffie-Hellman Key Exchange)
 1. Enclave1 send a session request to Enclave2 (Session Request)
 1. `sgx_dh_init_session();`
 2. `session_request_ocall();`
 2. Enclave2 process request and send msg1 to Enclave1
 1. `sgx_dh_init_session();`
 2. `sgx_dh_responder_gen_msg1();`
 3. return msg3;
 3. Enclave1 process msg1 and send msg2 to Enclave2 (Exchange Report)
 1. `sgx_dh_initiator_proc_msg1();`
 2. `exchange_report_ocall();`
 4. Enclave2 process msg2 and send msg3 to Enclave2
 1. `sgx_dh_responder_gen_msg2();`
 2. return msg3;
 5. Enclave1 process msg3 and the session created
 1. `sgx_dh_initiator_proc_msg3();`
3. message exchange
 1. Enclave1 send message exchange request to Enclave2
 1. `send_request_ecall();`
 2. `sgxrijndael128GCM_decrypt();`
 2. Enclave2 send response to Enclave1
 1. `generate_response_ecall();`

2. `sgx_rijndael128GCM_decrypt();`
4. close session
 1. Enclave1 send close session request
 1. `end_session_ocall();`
 2. Enclave2 close session and return
 1. `end_session_ecall();`
 3. Enclave1 close session
 1. `close_session_ecall();`
5. destroy Enclave1 and Enclave2

下周计划任务

- 申请EPID ?
- 实现remote attestation
- 实现enclave在硬盘上的load和read