

Page Map Entries

Enclave	Type
0	Invalid
⋮	⋮
C1C000	Enclave
C1C000	Enclave
⋮	⋮
C1C000	Thread
C1C000	Thread
⋮	⋮
C1C000	Thread
C1C000	Thread

Metadata Region

Page Map
Enclave info
Mailboxes
⋮
Thread 1 state
⋮
Thread 2 state

Enclave info

Initialized?
Debugging enclave?
Running thread count
Mailbox count
First mailbox
DRAM region bitmap
Measurement hash

Enclave memory

Page tables
⋮
Thread 1 stack
Thread 1 fault handler stack
Thread 2 state
⋮
Runtime code
Application code
Application data

Thread state

Lock
Enclave page table base
Entry point (PC)
Entry stack pointer (SP)
Fault handler PC
Fault handler SP
Fault state (R0 ... R31)
AEX state (R0 ... R31)
AEX state valid?
Host application PC
Host application SP

Runtime code

Fault handler
Enclave entry
Enclave exit
Syscall proxying