

# 1. Compiled Binary



**Cross Domain Linker**  
(Desktop Tool / Run-Time)



# 2. Memory-Safe Binary



**Memory Map**

**Jump Table**

**Safe Stack**

**SW Runtime**

**Memory Map Checker**  
STORE INSTR. EXT.

**Domain Tracker**  
CALL INSTR. EXT.

**Domain Tracker**  
RET INSTR. EXT.

**HW Extensions**

**Embedded Processor**