

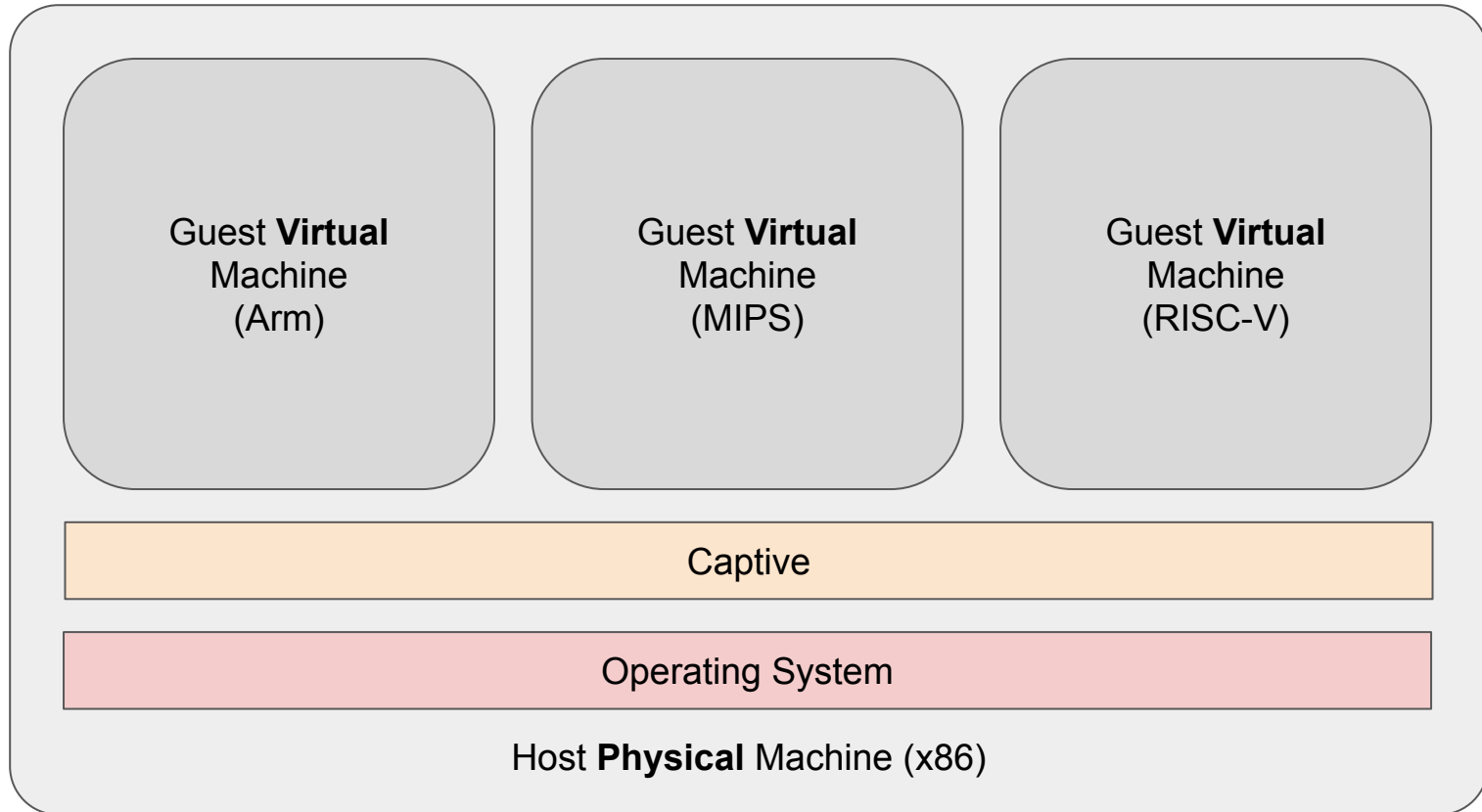
A Retargetable System-Level DBT Hypervisor

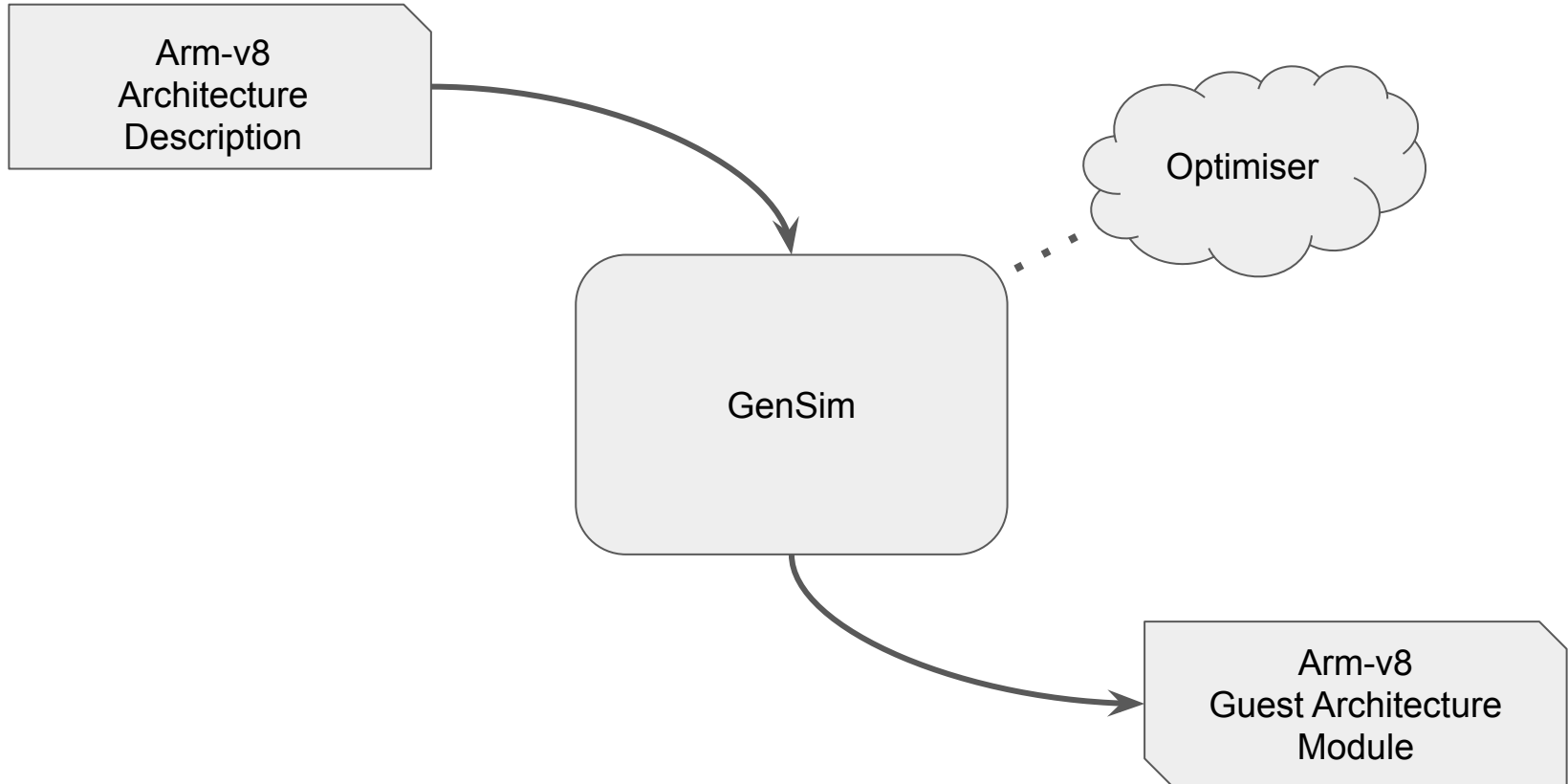
Tom Spink, Harry Wagstaff, Björn Franke

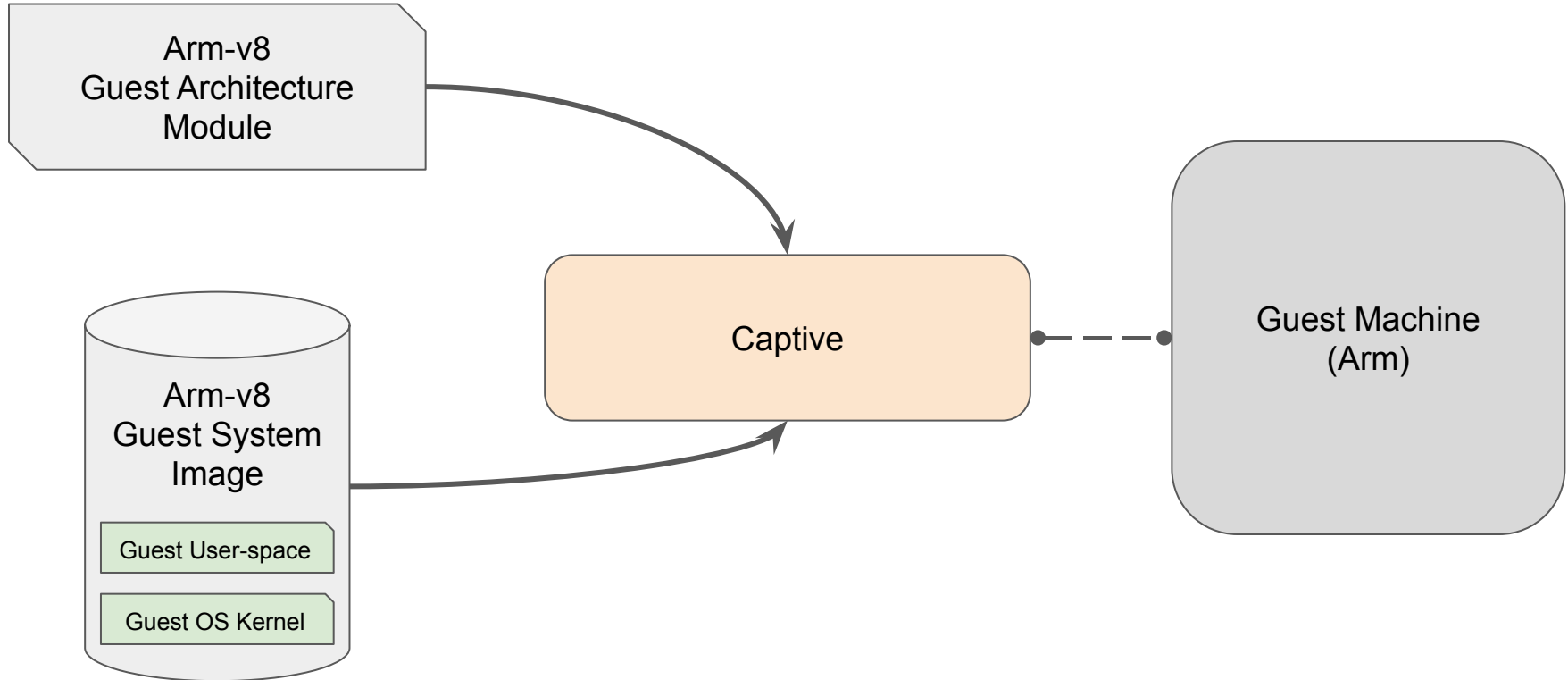


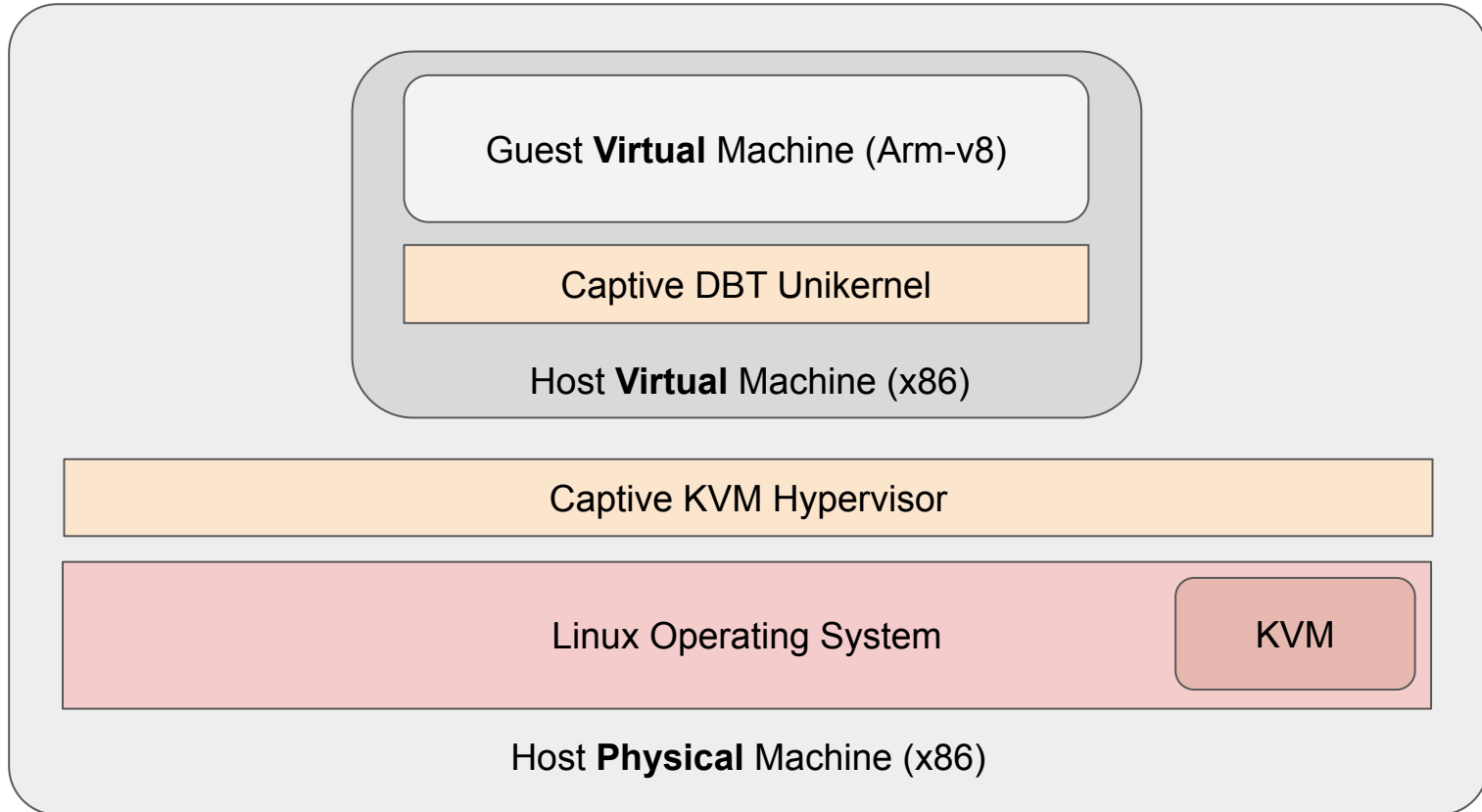
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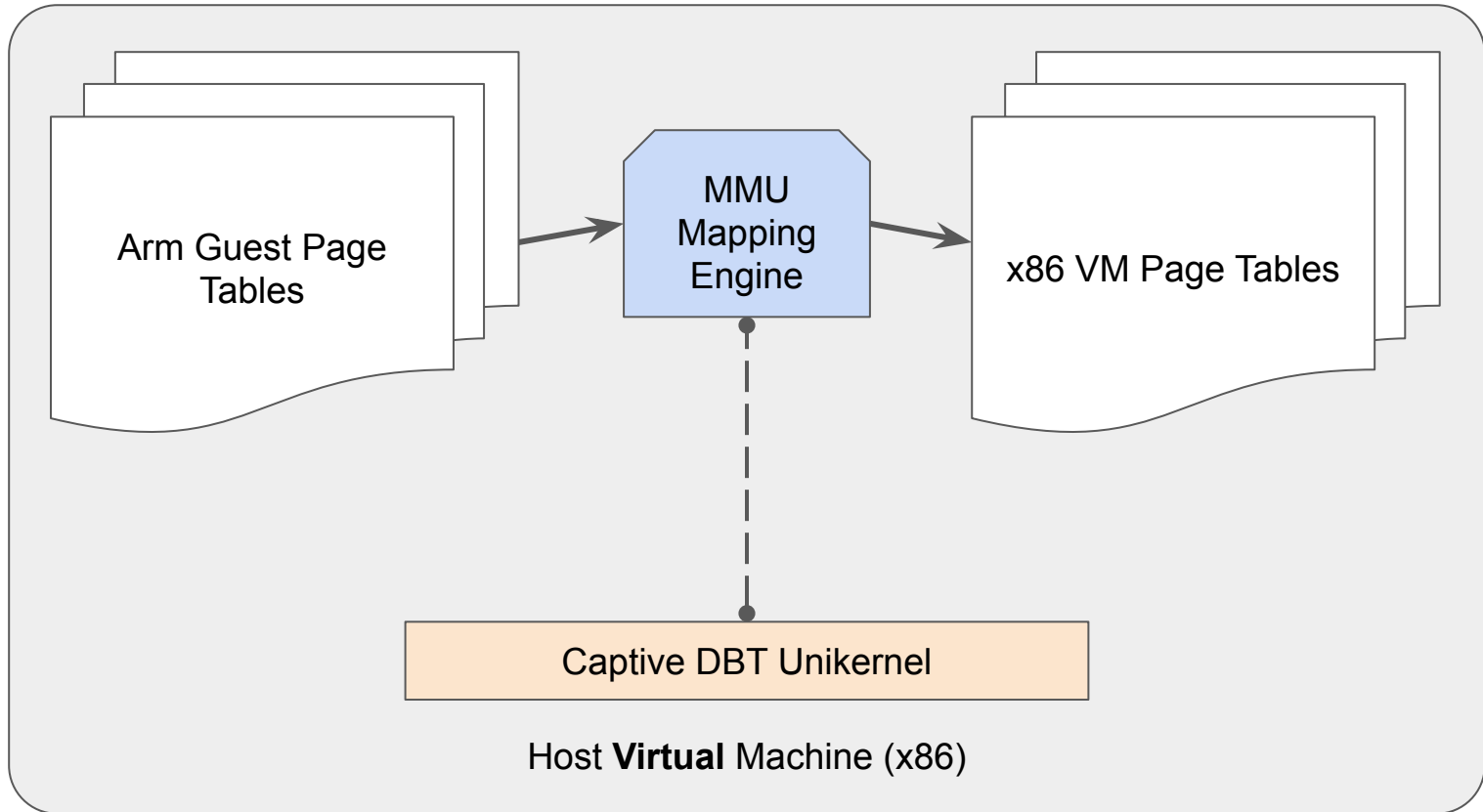
Captive













```
// -----  
// C4.2.1 Add/subtract (immediate)  
// -----  
execute (addi)  
{  
    uint64 imm = decode_imm(inst.imm12, inst.shift);  
    uint64 op1 = read_gpr_sp(inst.sf, inst.rn);  
  
    if (inst.S) {  
        if (inst.sf == 0) {  
            write_gpr32(inst.rd, __builtin_adc32_flags((uint32)op1, (uint32)imm, 0));  
        } else {  
            write_gpr64(inst.rd, __builtin_adc64_flags(op1, imm, 0));  
        }  
    } else {  
        write_gpr_sp(inst.sf, inst.rd, op1 + imm);  
    }  
}
```