

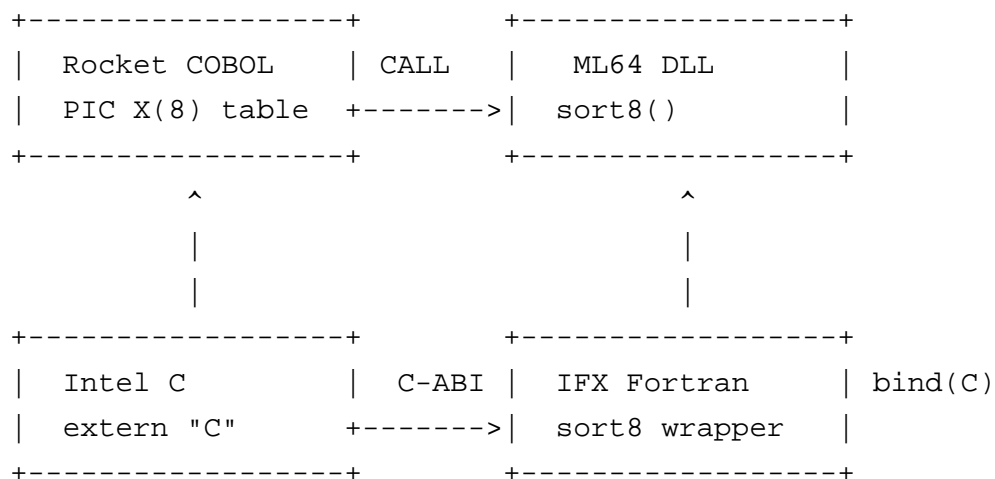
# ML64 - Rocket COBOL - Intel C - IFX Fortran Interoperability

## (with diagrams)

### SECTION 1: Overview

This document summarizes how ML64-compiled DLLs interoperate with Rocket COBOL 11.0, Intel C, and IFX Fortran using the Microsoft x64 ABI.

### SECTION 2: Architecture Diagram

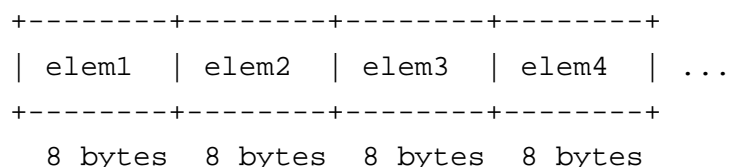


### SECTION 3: ABI Rules

- Use unmangled C names.
- Microsoft x64 calling convention: RCX, RDX, R8, R9.
- COBOL passes PIC X(8) arrays as flat byte buffers.
- Fortran must use bind(C).
- Intel C uses extern "C".

### SECTION 4: Data Layout Diagram

PIC X(8) table in memory:



### SECTION 5: Summary

ML64 DLLs are fully compatible with Rocket COBOL 11.0, Intel C, and IFX Fortran when the C ABI is respected.

End of document.