Z390 Portable Mainframe Assembler and Emulator

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Z390 is an open source Java based mainframe assembler and Emulator designed to run on Windows, Linux, and Mac PC's. The predecessor to z390 was the PC/370 shareware mainframe assembler and emulator for MSDOS PC's which was used by thousands of students at universities in the 1980's. In 1993 I sold PC/370 to Micro Focus, and in 1995 I went to work for Micro Focus developing the assembler component of the Micro Focus Mainframe Express product for Windows PC's. In 2004 I left Micro Focus and started the z390 open source project. In 2012 I retired from the z390 project. In 2020, I returned to work on the z390 project.

Most of 2020 has been spent upgrading the z390 assembler to correctly assemble all of the IBM mainframe instructions in the Principles of Operation manual published in Oct. 2019. A test program named ZOPCHECK was developed to verify all 2357 opcode, mnemonic, and operand combination.

Z390 includes

References:

- 1. **Z390 Mainframe Assembler and Emulator Downloads**
- 2. ZOPCHECK Opcode Verification Program
- 3. PC370 Assembler and Emulator History