



Modernization of a COBOL Environment

UBS – a leading player in the global financial industry - has successfully recompiled a portion of their production programs with the Enterprise COBOL V5 compiler. These programs have seen performance improvements of 12 - 13%.



Migration to COBOL V5: UBS in Switzerland



IN THE BEGINNING

UBS had COBOL code that had been generated from different versions of the COBOL compiler. As a result, UBS was maintaining support for multiple versions of COBOL.

UBS had migrated to the latest z hardware (z13) architecture in order to gain performance improvements.



THE BIG IDEA

When IBM announced the release of the latest – and most advanced - generation of COBOL compilers, UBS felt there was opportunity to further improve performance by upgrading to the Enterprise COBOL V5 compiler.

Upgrading to Enterprise COBOL V5 would not only enforce standardization and streamlining of the COBOL environment, but also, eliminate the need to maintain support for multiple versions of the COBOL compiler.



TAKING ACTION

Collaborative efforts with IBM led to:
1) the development of a systematic COBOL compiler/coprocessor migration plan that included significant compiler, LE, Debug Tool and ISV component planning & testing, &
2) timely and efficient issue detection and problem solving.

UBS's migration plan included nightly build and testing capabilities where several hundred test use cases were performed every night.



RESULT!

The migration to the V5 COBOL compiler is ongoing and considered a success!

UBS has successfully recompiled and tested roughly 16,200 programs with the goal of recompiling a total of 35,000 production programs by 2018.

Initial performance measurements have shown 12 – 13% improvement in COBOL code path execution.

UBS is very happy with the V5 COBOL compiler migration and the collaborative support that IBM has provided.

The message? By upgrading to the latest generation of Enterprise COBOL compiler, you could significantly reduce your CPU usage.

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