

Visual Fortran Timeline

- 1997** DEC releases Digital Visual Fortran 5.0
- 1998** Compaq acquires DEC and releases DVF 6.0
- 1999** Compaq ships CVF 6.1
- 2001** Compaq ships CVF 6.6
- 2001** Intel acquires CVF engineering team
- 2003** Intel ships Intel Visual Fortran 8.0
- 2005** Intel ships Intel Visual Fortran 9.0

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In June of 2001, Intel added the Compaq* Visual Fortran (CVF) engineering team to the Intel compiler engineering team through an agreement between Intel and Compaq. Subsequently, Intel released the next generation of Visual Fortran Compilers as Intel® Visual Fortran developed jointly by Intel and the former DEC/Compaq Fortran engineering team utilizing CVF front-end technology and the Intel back-end features.

Below you will find a feature comparison chart between Intel Visual Fortran Compiler 8.1 and Compaq Visual Fortran 6.6.

	Intel® Visual Fortran 9.0	Compaq* Visual Fortran 6.6
<u>Support for:</u>		
Intel® Pentium® 4	Yes	Yes
Intel® SSE2 Instructions	Yes	No
Intel® SSE3 Instructions	Yes	No
Intel® EM64T	Yes	No
Intel® Itanium®2	Yes	No
AMD* Athlon*	Yes	Yes
AMD* Opteron*	Yes	No
Automatic Parallelization	Yes	No
OpenMP*	Yes	No
INTEGER (8) 64-bit Integer	Yes	Yes
REAL (16) Quadruple Precision	Yes	No
Fortran 95 Standard	Yes	Yes
Fortran 2003 Allocatable Components	Yes	Yes
Fortran 2003 Environment Intrinsics	Yes	No
Win32 API Definition Modules	Yes	Yes
CVF Library Routines and Modules	Yes	Yes
CVF Projects and Workspaces	Yes	Yes
Build from Command Line	Yes	Yes
Debug from Command Line	Yes	No

Compatibility:		
Microsoft* Visual Studio .NET	Yes	No
Microsoft* Visual Studio 6.0	No	Yes
Microsoft* PowerStation Language	Yes	Yes
Compaq Visual Fortran Language	Yes	Yes
Additional:		
Microsoft* VC++ IDE included?	No (1)	Yes (2)
IMSL* Fortran Library 5.0	Yes (3)	No (4)
Array Visualizer	Yes (5)	No (6)
COM Server Wizard	No	No (7)
Technical Support with Updates	Yes	No

- (1) Intel Visual Fortran needs at a minimum Microsoft* Visual C++.NET* Standard Edition <http://www.intel.com/software/products/compilers/fwin/sysreq.htm> installed on the same system. Microsoft Visual C++.NET is required for command-line building.
- (2) Compaq Visual Fortran includes Microsoft Developer Studio integrated development environment and tools
- (3) IMSL 5.0 by Visual Numerics* is included in the Professional Edition of Intel Visual Fortran
- (4) IMSL 4.0 by Visual Numerics* was included in the Professional Edition of Compaq Visual Fortran, which was retired in March of 2004
- (5) Intel® Array Visualizer 2.0 is included in the Standard and Professional Edition of the Intel Visual Fortran Compiler (http://www.intel.com/software/products/compilers/techttopics/Array_Visualizer_WP_web.pdf)
- (6) Compaq Array Visualizer 1.0 was included in the Professional Edition of Compaq Visual Fortran, which was retired in March of 2004
- (7) Fortran COM Server Wizard was included in the Professional Edition of Compaq Visual Fortran, which was retired in March of 2004