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System Requirements for Abaqus 6.10 Products

View the supported range of system requirements for the Abaqus platform name you want to display by clicking the tabs below.

Four tables presented in the window below provide system requirements for each Abaqus platform.

- General Requirements are minimum requirements applicable for all Abaqus products and features.
- Additional Requirements are extra requirements needed for specific Abaqus products and features.
- Requirements to View Online Documentation
- Other Platform Notes
- More detailed explanations of the table contents and terminology are provided after the tables.

Windows/ x86-32

General Requirements		
Product/Feature	Requirement	Specification
Applicable for all Abaqus products supported on this platform	Processor	x86-32 ¹
Applicable for all Abaqus products supported on this platform	OS Level ⁴	<ul style="list-style-type: none">Windows XP²Windows Server 2003Windows Vista³Windows 7
Notes: ¹ The minimum processor required is equivalent to Intel Pentium 4 or AMD processors supporting SSE2 instruction set. ² Microsoft has discontinued support for Windows XP. Any platform specific issues related to Windows XP may not be able to be resolved. ³ Although some Vista editions have not undergone formal qualification testing, Vista Home Basic, Home Premium, Business and Ultimate editions are all considered compatible with Abaqus 6.10 and are supported. See the Test Configurations web page for tested Vista editions. ⁴ Microsoft Visual C++ 2005 SP1 and 2008 SP1 runtime libraries are required required and installed during the Abaqus installation. See Microsoft Visual C++ Runtime Requirements for Windows for more information.		

Additional Requirements		
Product/Feature	Requirement	Specification
Abaqus/CAE, Abaqus/Viewer	Graphics	Abaqus 6.10 Graphics Devices
Building post processing applications (Abaqus/Post, Abaqus/Viewer)	Microsoft Visual C++ 2005 SP1 and 2008 SP1 ⁵	

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Abaqus 6.10

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- [Co-Simulation](#)
- [fe-safe](#)
- [Composites Modeler for Abaqus/CAE](#)

Quick Links

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Status Reports

User Subroutines and building post processing applications with Fortran (Abaqus make utility with Fortran and Abaqus user subroutines)	Fortran Compiler ⁷	<ul style="list-style-type: none">• Intel Visual Fortran 10.1• Intel Visual Fortran 11.1
Abaqus/Standard/Explicit/CFD MPI-based parallel execution	Library	HP-MPI 1.1
Abaqus/Standard & Abaqus/Explicit MPI-based Distributed Memory Parallel execution	Interconnect	DMP is unavailable on this platform.
FSI Co-simulation using MpCCI	Partner Product	MpCCI version 3.1.0 ⁸
Installation	Distribution Media	DVD-ROM
Notes: ⁵ Visual C++ 2008 is also known as Visual C++ 9.0 ⁶ Visual C++ 2010 is also known as Visual C++ 10.0 ⁷ Intel Visual Fortran may require additional software pre-requisites. See the Intel Visual Fortran release notes and Intel Visual Fortran Pre-requisites for more information. ⁸ Fraunhofer SCAI		

Requirements to View Online Documentation

<i>Product/Feature</i>	<i>Requirement</i>	<i>Specification</i>
Abaqus HTML documentation	Internet Browser ¹⁰	<ul style="list-style-type: none">• Firefox 2.0, 3.0• Firefox 3.5⁹• Internet Explorer 6, 7, 8
Abaqus PDF documentation	PDF Viewer ¹¹	Adobe Reader 8.0, 9.0

Notes:
⁹ Required for Windows 7
¹⁰ Later versions of these web browsers are expected to offer acceptable performance.
¹¹ Later versions of these PDF Readers are expected to offer better performance.

Other Platform Notes

<i>Product/Feature</i>	<i>Requirement</i>	<i>Specification</i>
All supported products	Maximum memory accessible	3 GB

Windows/ x86-64

General Requirements

<i>Product/Feature</i>	<i>Requirement</i>	<i>Specification</i>
Applicable for all Abaqus products supported on this platform	Processor	x86-64
Applicable for all Abaqus products supported on this platform	OS Level ²	<ul style="list-style-type: none">• Windows XP¹• Windows Server 2003• Windows Server 2008• Windows Server 2008 R2• Windows HPC Server 2008

- Windows Vista
- Windows 7

Notes:

¹ Microsoft has discontinued support for Windows XP. Any platform specific issues related to Windows XP may not be able to be resolved.

² Microsoft Visual C++ 2005 SP1 and 2008 SP1 runtime libraries are required required and installed during the Abaqus installation. Both 32-bit & 64-bit runtime libraries are required to perform some translator functions. See [Microsoft Visual C++ Runtime Requirements for Windows](#) for more information.

Additional Requirements

<i>Product/Feature</i>	<i>Requirement</i>	<i>Specification</i>
Abaqus/CAE, Abaqus/Viewer	Graphics	Abaqus 6.10 Graphics Devices
Building post processing applications (Abaqus make utility with C++)	C++ Compiler	<ul style="list-style-type: none">• Microsoft Visual C++ 2008 SP1³• Microsoft Visual C++ 2010⁴
User Subroutines and building post processing applications with Fortran (Abaqus make utility with Fortran and Abaqus user subroutines)	Fortran Compiler⁵	<ul style="list-style-type: none">• Intel Visual Fortran 10.1• Intel Visual Fortran 11.1
Abaqus/Standard/Explicit/CFD MPI-based parallel execution	Library	MS-MPI 2.0, 2.1, 2.2
Abaqus/Standard & Abaqus/Explicit MPI-based Distributed Memory Parallel execution	Interconnect	1000 Mbps Ethernet ⁶
FSI Co-simulation using MpCCI	Partner Product	MpCCI version 3.1.0-4 ⁷
Installation	Distribution Media	DVD-ROM

Notes:

³ Visual C++ 2008 is also known as Visual C++ 9.0

⁴ Visual C++ 2010 is also known as Visual C++ 10.0

⁵ Intel Visual Fortran may require additional software pre-requisites. See the Intel Visual Fortran release notes and [Intel Visual Fortran Pre-requisites](#) for more information.

⁶ See [Support for Distributed Memory Parallel Analyses on Windows Platforms](#) for more information on availability of DMP on Windows/X86-64

⁷ [Fraunhofer SCAI](#)

Requirements to View Online Documentation

<i>Product/Feature</i>	<i>Requirement</i>	<i>Specification</i>
Abaqus HTML documentation	Internet Browser⁹	<ul style="list-style-type: none">• Firefox 2.0, 3.0• Firefox 3.5⁸• Internet Explorer 6, 7, 8
Abaqus PDF documentation	PDF Viewer¹⁰	Adobe Reader 8.0, 9.0

Notes:

⁸ Required for Windows 7

⁹ Later versions of these web browsers are expected to offer acceptable performance.

¹⁰ Later versions of these PDF Readers are expected to offer better performance.

Other Platform Notes

<i>Product/Feature</i>	<i>Requirement</i>	<i>Specification</i>
All supported products	Maximum memory accessible	This platform supports 64-bit addressing, which enables memory usage in excess of 2 GB

Linux/ x86-64



Linux/ Itanium



HP-UX/ Itanium



AIX/ Power

**Explanations of Table Contents and Terminology**

System requirements include hardware, operating system versions, and any other tools required to run Abaqus. Where more than one specification is listed for a given requirement, select one from the list. The Abaqus System Requirements web pages define the range of supported configurations. The intent is to support any combination of specifications within the defined range. Minor updates to operating systems, compilers and other system requirements are usually compatible. Earlier versions of prerequisites are generally not compatible, and thus are not supported. Any exceptions identified which affect compatibility of minor updates will be noted here.

General Requirements are the minimum system requirements which are necessary to utilize any Abaqus product or feature supported on this platform; however the minimum requirements are not sufficient to support all Abaqus products or capabilities. **Additional Requirements**, beyond the General Requirements, are necessary for specific Abaqus products and features. Additional Requirements must be met only if you want to use the specific Abaqus product or feature associated with the requirement.

Final configurations depend on successful testing outcomes. Supported platforms and configurations are subject to change without notice.