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System Requirements for Abaqus 6.11 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

+

Windows/ x86-64

-

| General Requirements | | |
|--|-----------------------|---|
| Product/Feature | Requirement | Specification |
| Applicable for all Abaqus products supported on this platform | Processor | x86-64 |
| Applicable for all Abaqus products supported on this platform | OS Level ³ | <ul style="list-style-type: none">• Windows XP SP2¹• Windows Server 2003• Windows Server 2008• Windows Server 2008 R2• Windows HPC Server 2008• Windows Vista²• Windows 7 |
| Notes: ¹ Windows XP is no longer supported by Microsoft. Any underlying OS specific bugs may not be able to be addressed. SIMULIA recommends upgrading to a later version OS. ² 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 6.11 and are supported. See the Test Configurations web page for tested Vista editions. ³ 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 | | |
|---|---------------------------|---------------|
| Product/Feature | Requirement | Specification |
| Product Lifecycle Manager, Dassault Systemes, 3DExperience Company, provides business and people with virtual universes to imagine sustainable innovations. 3DSWYM, 3DVIA, CATIA, DELMIA, ENOVIA, EXALEAD, GEOVIA, NETVIBES, SIMULIA and SOLIDWORKS are either trademarks or registered trademarks of Dassault Systemes or its subsidiaries in the US and/or other countries. | Abaqus/CAE, Abaqus/Viewer | Graphics |

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Abaqus 6.11

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

Quick Links

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| | | |
|--|--|--|
| Abaqus/Standard | Optional GPGPU Card⁴ | <ul style="list-style-type: none">• Nvidia Tesla C2050• Nvidia Tesla C2070• Nvidia Maximus with Tesla C2075 + Quadro 4000⁵• Nvidia Quadro 6000 |
| Building post processing applications (Abaqus make utility with C++) | C++ Compiler | <ul style="list-style-type: none">• Microsoft Visual C++ 2008 SP1⁶• Microsoft Visual C++ 2010⁷ |
| User Subroutines and building post processing applications with Fortran (Abaqus make utility with Fortran and Abaqus user subroutines) | Fortran Compiler⁸ | <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 ⁹ |
| Abaqus/Standard & Abaqus/Explicit MPI-based Distributed Memory Parallel execution | Interconnect | <ul style="list-style-type: none">• Gigabit Ethernet¹⁰• InfiniBand⁹ |
| FSI Co-simulation using MpCCI | Partner Product | MpCCI version 3.1.0-4 ¹¹ |
| Installation | Distribution Media | DVD-ROM |

Notes:⁴ Tested with Nvidia driver version 258.96⁵ Tested with Nvidia driver version 275.xx⁶ Visual C++ 2008 is also known as Visual C++ 9.0⁷ Visual C++ 2010 is also known as Visual C++ 10.0⁸ 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.⁹ Distributed with Abaqus products¹⁰ See [Support for Distributed Memory Parallel Analyses on Windows Platforms](#) for more information on availability of DMP on Windows/X86-64¹¹ [Fraunhofer SCAI](#)**Requirements to View Online Documentation**

| <i>Product/Feature</i> | <i>Requirement</i> | <i>Specification</i> |
|---------------------------|--------------------------------------|---|
| Abaqus HTML documentation | Internet Browser¹³ | <ul style="list-style-type: none">• Firefox 2.0, 3.0• Firefox 3.5¹²• Internet Explorer 6, 7, 8 |
| Abaqus PDF documentation | PDF Viewer¹⁴ | Adobe Reader 8.0, 9.0 |

Notes:¹² Required for Windows 7¹³ Later versions of these web browsers are expected to offer acceptable performance.¹⁴ 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 |

Status Reports

| | | |
|----------------|------|---|
| | 2 GB | |
| Linux/ x86-64 | | + |
| Linux/ 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.