

Adobe® Acrobat® 3D

Introducing Adobe Acrobat 3D

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With new Adobe Acrobat 3D software, extended product teams can now publish, share, review, and mark up complex 3D designs embedded within Intelligent Documents.

Q: What are the top new features and benefits of Adobe Acrobat 3D software?

A: This newest addition to the Acrobat product family has all of the powerful features of Adobe Acrobat 7.0 Professional. Plus, it offers advanced tools that enable product designers, mechanical engineers, architects, and creative professionals to easily share 3D designs with everyone on the project team—anywhere in the world. New features and capabilities enable you to:

Share 3D designs with extended teams

- Convert 3D designs from major CAD applications to Adobe PDF files in a single step
- Capture and convert 3D designs from CAD applications—including UNIX
- Highlight potential design issues before reaching production
- Visually communicate design intent by creating multiple cross-sections and exploded views. Accurately show product assembly and disassembly through animation
- Activate functionality in the free Adobe Reader® 7.0.7 software to enable suppliers, partners, and customers to review, mark up, redline, measure, and comment on 3D designs
- Dramatically reduce file size by converting 3D CAD designs to Adobe PDF files

Easily insert, publish, and edit 3D designs

- Insert 3D designs into existing and new Microsoft Office documents using the OLE Control Extensions (OCX) included in Adobe Acrobat 3D
- Use the Adobe Acrobat 3D Toolkit to create animations that edit lighting and provide exploded views, assembly and disassembly sequences, or product illustrations and photorealistic images
- Save animations as 3D objects or 2D raster/vector images
- Convey deeper levels of information by adding JavaScript to any Adobe PDF file containing 3D content
- Enable extended team members to interact with 3D objects, view them from any angle, and easily measure design dimensions, such as distance and radius
- Allow suppliers, partners, and customers to define multiple arbitrary cross-sections of a 3D object to view internal structures and assembly relationships

Accelerate design feedback

- Enable anyone on the project team to actively participate in reviews using free Adobe Reader 7.0.7
- Automatically track feedback from all engineering, management, and project team reviewers, as well as partners and suppliers
- Accurately communicate feedback by precisely placing comments and markups directly onto interactive 3D designs
- Associate comments with specific object points of view
- Use familiar commenting tools, such as highlighters, sticky notes, pens, strikethroughs, callouts, dimension lines, clouds, and more
- Avoid version confusion during collaborative reviews by combining multiple documents into a single Adobe PDF binder for distribution and approval



Protect sensitive information

- Set parameters that enable or restrict access to Adobe PDF documents containing 3D designs
- Use digital signatures throughout the project to detect any modifications to design and approval documents
- Set permissions that determine who can print, copy, or change Adobe PDF files with 3D designs
- Protect documents inside and outside the firewall, online and offline

Q: Is there a trial version of Adobe Acrobat 3D?

A: Yes. Download it for a 30-day trial period for free at www.adobe.com/products/acrobat3d/tryreg.html.

Q: Are there tutorials available to help me understand the features of Acrobat 3D?

A: Yes. To learn more, visit www.adobe.com/products/tips/acrobat.html.

Q: If I have Adobe Reader software, do I still need Adobe Acrobat 3D?

A: To participate in collaborative reviews initiated by an Adobe Acrobat 3D user, all you need is the free Adobe Reader 7.0.7 or higher software. However, if you want to convert 3D designs to Adobe PDF files or initiate 3D design reviews, you will need Adobe Acrobat 3D.

Q: As an Adobe Reader 7.0.7 software user, how can I take advantage of Acrobat 3D capabilities?

A: When you receive an Adobe PDF file from a document author who has activated functionality in Adobe Reader 7.0.7, you will be able to:

- Fully participate in collaborative workflows
- View and interact with 3D design files
- Use sophisticated commenting and markup tools, including redlining, sticky notes, and clouds

Q: I already use Adobe Acrobat Professional. Why should I upgrade to Adobe Acrobat 3D?

A: Adobe Acrobat 3D includes all the features of Adobe Acrobat 7.0 Professional, plus essential tools that help you quickly and easily share 3D designs with everyone on your product team—even non-design professionals. Using Acrobat 3D, your product teams will be able to:

- Gather feedback far more efficiently
- Make better design and purchasing decisions
- Quickly incorporate agreed-upon design changes
- Finish 3D design projects faster and more cost-effectively

For more information and to compare product features, visit www.adobe.com/products/acrobat/matrix.html.

Benefits

Q: What does Adobe Acrobat 3D offer the engineering design professional?

A: Acrobat 3D helps streamline the product development process by making it simple to convert complex 3D designs to accessible Adobe PDF files. Using Acrobat 3D, engineering design professionals can:

- More easily communicate design intent to non-design professionals
- Improve communication beyond core design teams
- Increase collaborative design and procurement workflow efficiencies
- Reduce expensive late design changes and errors

Q: What does Adobe Acrobat 3D offer the technical documentation professional?

A: Acrobat 3D helps technical documentation professionals significantly accelerate the technical illustration process. Using Acrobat 3D, they can:

- Repurpose and reuse existing 3D content
- Avoid recreating content from scratch
- Reduce their dependence on designers and costly design software
- Easily create rich, interactive documents, such as service manuals, operations manuals, training guides, web-based brochures, and catalogs

Q: What does Adobe Acrobat 3D offer the AEC professional?

A: Acrobat 3D helps architecture, engineering, and construction (AEC) professionals communicate sophisticated design ideas quickly and clearly. For example, they can use Acrobat 3D to create easy-to-understand multimedia proposals that:

- Contain interactive walkthroughs, flyovers, and animations
- Demonstrate construction sequences
- Help customers, contractors, and subcontractors see and understand exactly what needs to happen and when
- Maximize resource use and minimize expensive errors

Q: How does Adobe Acrobat 3D support the extended product team?

A: Acrobat 3D makes collaboration easy. Now, engineers and other design professionals can more securely and reliably communicate design intent—even to non-design professionals—by embedding complex 3D designs into familiar Adobe PDF files. Then, everyone on the team—anywhere in the world—can use the free Adobe Reader 7.0.7 software to review and comment on the 3D design.

For more information, visit www.adobe.com/products/server/designcollab.html.

Security

Q: How does Adobe Acrobat 3D protect electronic documents and information?

A: Acrobat 3D is built on a foundation of 128-bit encryption technology that uses the Advanced Encryption Standard (AES) endorsed by the U.S. government. Its advanced security capabilities enable you to:

- Protect electronic documents inside and outside the firewall—online and offline
- Limit access to documents with password protection
- Restrict the ability to print, copy, modify, or extract content from a document
- Help ensure document authenticity and preserve document integrity using digital signatures and digital certificates with public key infrastructure (PKI) technology

Q: Can I use Acrobat 3D in conjunction with Adobe LiveCycle™ Policy Server software?

A: Yes. When used with Adobe LiveCycle Policy Server software, Acrobat 3D enables you to set and modify security policies dynamically—even after documents have been sent beyond the firewall. You can also:

- Grant or revoke access to documents
- Create and change document expiration dates
- Generate an auditable record to help meet regulatory requirements

For more information about Adobe LiveCycle Policy Server, visit www.adobe.com/products/server/policy/main.html.

Standards

Q: What PDF standards does Adobe Acrobat 3D support?

- A:** Adobe supports three ISO standards for PDF: PDF/E (draft), PDF/A, and PDF/X. These formats are based on the Adobe PDF specifications and include features developed for specific uses.
- Officially accepted as an ISO work item, PDF/E provides guidelines for the reliable exchange of engineering information. Actively managed by the Association for Information and Image Management (AIIM) and the Association for Suppliers of Printing, Publishing, and Converting Technologies (NPES), these standards are currently being developed by a working group that comprises industry leaders such as the Army Corp of Engineers, Halliburton, GE, Documentum, HP, Bentley, Adobe, and Autodesk. PDF/E focuses on accurate and predictable print exchanges of Intelligent Documents (PDFs); electronic exchange of review and markup data, including XML; and inclusion of complex data types, including 3D.
 - Approved in May 2005 as ISO archive standard #19005-1, PDF/A supports the long-term archiving of digital records. Many organizations have participated in the development of this standard, including the National Archives and Records Administration (NARA) and the United States court system. Acrobat 3D can create and preflight documents that are PDF/A compliant.
 - PDF/X facilitates the reliable delivery of press-ready, high-end color advertisements. Acrobat 3D extends the existing support of PDF/X to the most current release of the PDF/X ISO standard. With Acrobat 3D, users can check for PDF/X compliance and embed information in Adobe PDF documents, providing a compact method of communicating information about document trouble spots to a service provider.
 - In addition, Acrobat 3D supports Universal 3D (U3D), an open and extensible file format for sharing and viewing interactive 3D designs.

Availability

Q: How do I order Adobe Acrobat 3D?

A: Order Acrobat products through the Adobe Authorized Reseller channel or through the Adobe Store. To find the reseller nearest you, visit http://store.adobe.com/store/customerregistration/other_places.jhtml or www.adobe.com/acrobat3d.

Q: Does Adobe have tools to help IT administrators customize and deploy Acrobat 3D and Adobe Reader enterprise-wide?

A: Yes. Adobe has many tools and resources available to help with customization and deployment. Details can be found on the Adobe website at www.adobe.com/products/acrobat/it.

Q: What is activation, and why is it important?

A: Activation is a simple process during product installation that allows users to begin using the application. Activation helps prevent casual, unauthorized copying of software. For more information on activation, visit www.adobe.com/activation.

Upgrade and Support

Q: I already own a previous version of Acrobat. How can I upgrade to Acrobat 3D?

A: If you own Acrobat 5.0, 6.0, or 7.0 and would like to upgrade to Acrobat 3D, you have a variety of options. In North America, visit www.adobe.com/support/main.html or call North America Acrobat Customer Service at 800-272-3623. Outside North America, visit www.adobe.com/support/intlsupport.html.

Users of Raider 3D Application from OKYZ S.A. may also be eligible for an upgrade as a result of the acquisition of OKYZ by Adobe Systems. To find out more, visit www.adobe.com/support/main.html.

Q: What support options are available for Acrobat 3D?

A: Registered owners of the latest version of Acrobat 3D are eligible to receive person-to-person support on issues related to installation and product defects.

Additional support information—including worldwide telephone support numbers, Knowledgebase articles, tutorials, user forums, and more—is available at www.adobe.com/support/main.html.

Q: How do I get customer support?

A: In North America, visit www.adobe.com/support/main.html or call North America Acrobat Customer Service at 800-272-3623. Outside North America, visit www.adobe.com/support/intlsupport.html.

Q: What other support programs help answer product questions?

A: Adobe offers flexible Expert Support programs to provide customers with direct access to the people who know Adobe products best. Whether you own multiple Adobe products or just one, and work alone or with a group, there's a plan that's right for you. For information, visit www.adobe.com/support/expert_support/main.html.

Q: What languages are supported in Adobe Acrobat 3D?

A: Acrobat 3D supports English, French, German, and Japanese.

Partners

Q: Are partner solutions available for Acrobat 3D?

A: Yes. Adobe is currently developing joint solutions and products with several industry leaders, including:

- **CAD/PLM:** UGS, SolidWorks, PTC, and Bentley
- **Industry:** 3DIF Consortium, HP, Intel Corporation, Boeing, and Caterpillar
- **Downstream solutions:** Right Hemisphere, Immersive Design, and Kaon

System Requirements

Q: Where can I find system requirements information?

A: Visit www.adobe.com/products/acrobat3d/systemreqs.html.

Q: What operating systems will Acrobat 3D run on?

A: Acrobat 3D runs on Microsoft® Windows® 2000 with Service Pack 2 and Windows XP® Professional, Home Edition, or Tablet PC Edition. UNIX® platforms for the optional Acrobat 3D Capture Utility include Sun™ Solaris™ 2.8, UltraSPARC® processor; IBM® AIX® 5.2: POWER4 or PowerPC® 604e processor; HP-UX 11.0: PA-RISC 2.0 processor; and SGITM IRIX™ 6.5: RISC 4000 processor.

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Printed in the USA.

95005848 1/06

