Deep Access™

Total Digital Asset and Media Control

With the proliferation of product data and lifecycle shareholders, manufacturers are struggling to find an efficient way to manage, collaborate, and publish their digital media assets. Web-based Deep Access™ digital media asset management software works with our Deep Server™ process automation system to deliver a unified repository of searchable 2D, 3D, and related media assets and metadata. Together, Deep Access and Deep Server provide a scaleable and secure product information management solution that automatically generates graphics derivatives and documents from product data for collaborative use in development, production, marketing, and support. Now manufacturers can effectively leverage their digital assets throughout a product's lifecycle and across the extended enterprise to accelerate time to market and revenue growth.

Feature Highlights

Search and Manage Data Efficiently for Increased Productivity

With Deep Access, you can securely store original files and search all digital media assets using basic keywords, advanced attributes, and Boolean logic with results in 2D or 3D thumbnail or detail views. You can visually locate assets by project, manage folders, upload and download assets and assemblies, and switch projects by browsing tree-view hierarchies of folders, assemblies, and categories. Deep Access also helps you manage your product data through check-in & check-out asset versioning, locking & unlocking, asset file association, and asset collection creation.

Collaborate with Flexibility, Security, and Compliance

Use Deep Access to initiate collaboration inside or outside a firewall on any version of a 2D or 3D asset simply by sending an e-mail link. Collaborate in real time by adding, editing, and saving markups to the secure network server for instant viewing by colleagues with user privileges. You can even view 3D PDFs securely offline using the free Adobe Reader, and easily add and circulate markups with Adobe Reader Extension & Rights Management.

Publish with Ease for Rapid Re-Use of Content

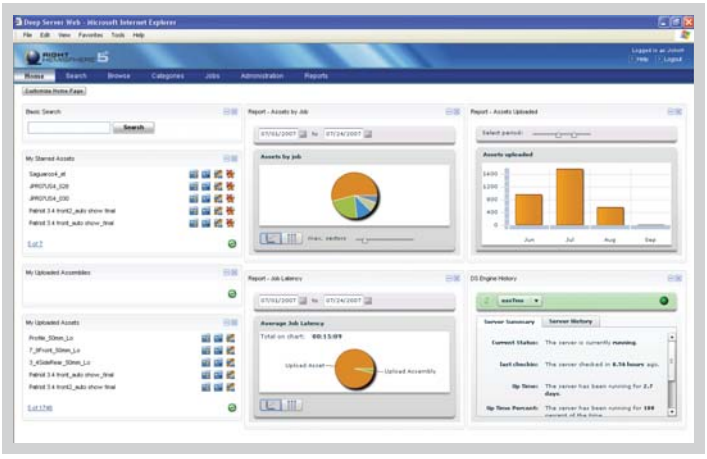
Deep Server and Deep Access together allow you to automate and expedite the creation of graphics derivatives for 3D models, 2D vector illustrations, and publishing to PDF, as well as labor-intensive workflows such as data preparation and optimization. Now you can efficiently re-use digital assets and save newly created content back to the server for other purposes.
Work with Right Hemisphere client applications or your favorite media authoring tools using the same product data to produce any type or number of deliverables. We make it easy to publish your content in whichever format is most useful. You can embed data directly into Microsoft Office applications, export data to HTML format, publish data to 3D PDF, or export 3D formats for rendering high-quality photorealistic images. You can even use Deep Creator™ to produce stand-alone executable files for game-like environments.

Automate Derivative Content Creation

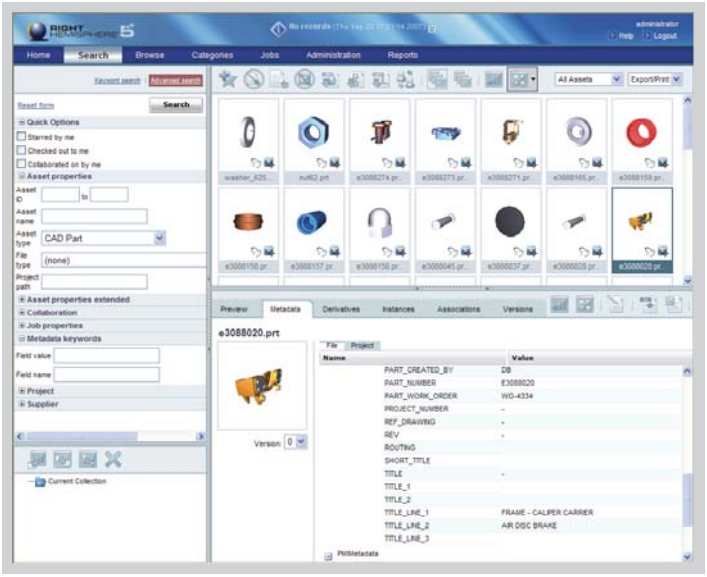
Traditionally, for every 3D CAD part or assembly, graphic design teams have had to re-create content for use in technical documentation, training, illustrations, marketing materials, and parts catalogs. Deep Access helps automate the generation of derivative assets and final documents, from simple thumbnail image representations of parts or assemblies to complete multi-page 2D/3D documents with data merged from ERP or PLM systems.

Accelerate Media Asset Production

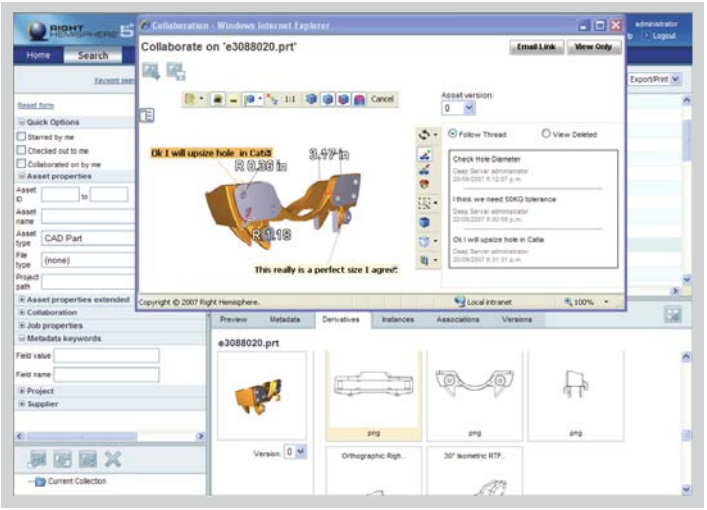
Inefficiencies in locating existing media assets and in creating new content result in significant costs and delays. Using Deep Server and Deep Access, you can quickly access product data and metadata in almost any media file format from 3D CAD to CAD, PMI, XMP, and XML. With its easy-to-use web interface, Deep Access helps you manage automated and manual workflow processes as well as 2D and 3D assets to accelerate content production and delivery. Deep Access also improves the quality of your design through secure, efficient collaboration across departments and companies.



Customize your home page for quick access to and reporting on key assets.



Find assets quickly using basic keyword search or advanced search criteria.



Efficiently collaborate using lightweight Web-based 2D & 3D viewing and markup.

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Deep Access Features

Organization and Version Control

- Management and editing of imported CAD and related PMI and metadata
- UI for version control for originals and derivatives
- Manage the graphic linking of derivatives for automated document updates
- Generate derivative graphics automatically, on-demand, or manually
- Create associative links to other documents and assets
- Super lightweight but accurate 2D and 3D data storage for web interaction
- Manage assets across multiple projects

Manage Deep Server Process Automation

- Global instancing for efficient storage and version management
- Universal file support to manage all your assets types (e.g. 2D, 3D, etc.)
- Upload assets automatically from CAD, PLM and ERP systems
- Automatically combine data from multiple sources
- XML processing for managing bills of materials and assembly hierarchies
- Automated lighting, material assignment and other beautification.
- Automatically translate CAD into lightweight 3D models for web use
- Automate graphics optimization such as dynamic polygon reduction and removal of hidden objects
- Automate graphics repair such as unifying normals and healing polygonal models
- Create graphic derivatives automatically such as varying levels of detail (LODs) for 3D models, 2D vector illustrations, and publishing to PDF
- Automatically process, merge, and associate metadata to assets

Metadata

- Import CAD part and assembly metadata including PMI
- Import XMP metadata from asset files
- Import custom project metadata via XML

Browse and Search

- Browse for assets by assembly and folder hierarchies
- Simple keyword search on metadata tags
- Advanced search based on asset attributes and metadata
- Thumbnail and sortable table views of search results
- Apply filters to search results
- Export search results to Excel
- Perform mass update and other actions on search results

Collaboration

- Visualize version specific 2D and 3D assets including markups and animations
- Save comments and markups to specific asset versions
- Follow complete message threads with comments and markups

Security

- Import and authenticate users with LDAP
- Fine grain role-based security
- Group users to simplify security administration

Dashboard and Reporting

- Customizable home page to display favorite asset lists, charts, and reports
- Asset reports such as assemblies and assets uploaded over time
- Health and monitoring reports such as execution time and latency

About Right Hemisphere

Right Hemisphere is the leading provider of enterprise product communication and collaboration solutions enabling manufacturers to optimize their global product development launch and support processes.

Organizations have invested in operational processes and IT systems to improve product lifecycle efficiencies, yet delivery of precise and up-to-date product information to the extended enterprise in a timely, efficient and usable form is difficult today. Right Hemisphere maximizes knowledge transfer efficiency of product information to downstream stakeholders by automatically publishing product information readily available in CAD, PLM, and ERP systems into common document formats and business applications.

Learn more about Right Hemisphere at www.righthemisphere.com

Links to Authoring Tools

- Check out, download and edit assets in any authoring application and then upload back to Deep Access for a complete production management solution
- Use the Right Hemisphere client applications or your favorite media authoring tools to rapidly create animated training content, illustrations, technical documentation, parts catalogs and marketing material
- Enable effective content re-use around the enterprise across all media applications

Administration

- Set up and assign users to multiple projects
- Create users and groups with assigned roles
- Release locked assets
- Setup custom project metadata with admin-defined picklists
- Setup admin-defined hierarchical categories for classification of assets
- Define processing methods
- Specify parameters and processing methods for derivative graphics

Software Development Kit (SDK)

- Graphics Management - Create importer, exporter, and processing plug-ins
- Integration and Web Services – SOAP API's to integrate with third party applications
- Client Integration - Integrate Deep View, an ActiveX control, into thirdparty applications

System Architecture

- Supports federated, multi-instance, multi-site infrastructures

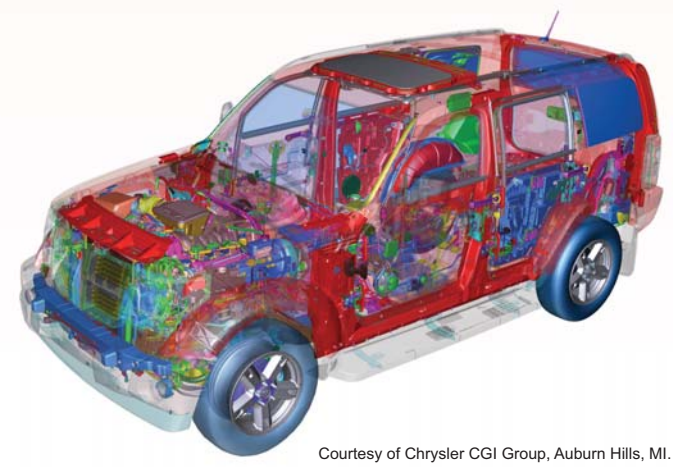
System Requirements

Server Software Requirements

- Microsoft Windows Server 2003
- Microsoft IIS
- Microsoft SQL Server 2005
- Right Hemisphere Deep Server 5
- Deep Access

Client Software Requirements

- Internet Explorer 6+
- Adobe Flash Player 9
- Microsoft .NET 2.0



Courtesy of Chrysler CGI Group, Auburn Hills, MI.

2007 Dodge Nitro screenshot from the Right Hemisphere client application.

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