

Using Cimmetry's Integration SDK, developers can easily integrate AutoVue's multi-format viewing, markup and collaboration capabilities into an existing DMS/PLM/ERP, thereby allowing users to promptly access, view, and comment on documents wherever they reside.

By doing so, Cimmetry provides organizations with an easy and flexible way to complement the content management capabilities of their back-end system, delivering an enterprise-class solution that improves existing document review and collaborative processes.

Developers can achieve whatever level of integration is required. This document provides information about the prerequisites that are needed on the back-end side to develop an integration using Cimmetry's Integration SDK.

## Add AutoVue's Multi-Format Viewing Capabilities

With support for hundreds of native document formats, including 2D/3D CAD, EDA, image and Office documents, AutoVue integrated with a DMS/PLM/ERP provides users with a single point of access to hundreds of document types stored in the DMS/PLM/ERP vault.

In order to use AutoVue to access and view documents stored into an existing DMS/PLM/ERP system, APIs are required to perform the following:

Given a DocID (and other parameters, such as userID, client cookies, etc), obtain information such as the name of the document, its file size and the date when the document was last modified.

Return the contents of the file to be viewed, or alternatively, a URL to the file.

Please note that each document needs to have a Document ID (DocID), which uniquely identifies the document.

## Integrate AutoVue's Markup Capabilities

AutoVue provides a rich set of markup entities that will help users communicate change requests, comments, observations, and instructions effectively. All markups and annotations are created as distinct overlays, on top of the original file, and can be saved directly into the DMS/PLM/ERP repository.

In order to save AutoVue's markups directly into the DMS/PLM/ERP repository, APIs are required to perform the following:

Return a list of DocIDs for all markups associated with a document, along with any metadata associated to each markup.

Check in a markup file along with some metadata, associate it with the DocID of the current document, and return a new document ID for the markup file.

Delete markup files based on the permission of the current user.

Please note that Markups checked into the DMS/PLM/ERP will be treated as documents and have their own DocIDs

## Access Xrefs

Using AutoVue, it is possible to access external reference files, also called Xrefs, stored on the DMS/PLM/ERP repository. A file contains an external reference, when it includes a reference to an external file like an AutoCAD drawing referencing a raster image for instance or an assembly that would contain multiple parts in separate files.

An API is required to provide the list of DocIDs for all of the Xrefs for a given document.

## Leverage The DMS/PLM/ERP Version Control

Through its integration, AutoVue can leverage an existing DMS/PLM/ERP version control including major/minor versioning. This capability allows users to easily compare a file with a different version, all the document's versions being available directly from a drop-down menu. The document review process is facilitated since markups can be automatically promoted to the newest version of a document. Team members can also be confident they are always working with the latest versions of files.

In order to use the DMS/PLM/ERP system version control capabilities in AutoVue, each version of the same document needs to have a different DocID, and an API is required to provide the list of DocIDs and version numbers of all the other document versions.

