

What's New in Cortona3D Software?

Version 14.2

There are two different versions of the software: RapidAuthor and RapidAuthor for Teamcenter.

- RapidAuthor imports data in various CAD formats (e.g., CATIA, NX, SolidWorks).
- RapidAuthor for Teamcenter is integrated with Teamcenter and imports PLM XML/JT data. Import of other CAD formats can be supported by purchasing the additional product – RapidDataConverter for Teamcenter.

Key changes in version 14.2

- Automatic IPC generation based on BOM hierarchy.
- Context geometry can be prepared with RapidIllustrator and added to other projects (only for RapidAuthor launched in the Teamcenter environment).
- New Unmerge command to break apart previously merged objects.
- New publishing options enabling advanced visual effects in 3D publications.
- Improved S1000D authoring.
- Integration with TeamViewer AR.
- Raster image editor and logical operations with objects in Cortona2D Editor Pro.

RapidAuthor and RapidAuthor for Teamcenter Improvements

General authoring

- Context geometry can be prepared with RapidIllustrator and added to other projects (only for RapidAuthor launched in the Teamcenter environment).
- New Unmerge command to break apart previously merged objects.
- Edit Position and Animation dialogs are now dockable windows.

S1000D authoring

- New Revise mode for the Get ICN dialog window that allows flexible configuration of editable ICN fields (only for RapidAuthor launched in the Teamcenter environment).
- Reuse multimedia objects located in CMS (only for RapidManual and RapidText launched in the Teamcenter environment).
- Filter by PCT applicability in HTML publications (for S1000D 4.1+ Procedure, S1000D 4.1+ Text, and S1000D 4.1 PM).
- Preview of PDF documents for a specific PCT applicability_(for S1000D 4.1+ Procedure, S1000D 4.1+ Text).
- PCT applicability information is displayed in PDF and HTML publications.

Publishing

- Improved Selection bar in HTML publications: new Restore all button to restore the visibility and transparency for all objects, other controls rearranged for better user experience.

- The IPC publication settings are now accessible from the publication control panel.
- New settings in all HTML publications for advanced visual effects: Anti-aliasing, Ambient occlusion, Outline hovered objects and Selection mode.
- New option in IPC publications allowing manual control of the transition animation between the root and the current pages.
- New publishing option for packing publications into a zip archive (for S1000D PM, DITA Map, and DITA Learning Map specification components).

Creating content for Augmented Reality

- AR extensions are enabled in all procedure specification components excluding Generic Procedure and ATA 2022 AMM.
- The document text with 3D/2D references is now included in the Interactivity.xml file.
- Publishing to X3D is now available in all procedure specification components excluding ATA 2022 AMM. X3D data can be reused in third-party AR applications.
- Launch TeamViewer Spatial Editor with RapidAuthor publication from RapidAuthor Client for Active Workspace menu.

Editing of 2D CGM images

- Raster image editor in Cortona2D Editor Pro
- Fill tool enhancement: the ability to include or exclude areas before applying the tool.
- Snap function improvement: the ability to turn on and off individual snap types in settings or by shortcut.
- Ability to change the color tone for filled objects, keeping the fill color.
- Logical operations with objects.
- Preview of CGM files in Cortona2D Viewer and IsoDraw (if installed), side-by-side.

Data import

- New CAD formats supported*: NX 2206, Parasolid 34.1, Creo 9, Inventor 2023, Revit 2023.
- Automatic IPC generation: IPC pages are generated automatically for each assembly.
- Import of IPC page hierarchy from Excel.

*This functionality requires RapidAuthor or RapidDataConverter for Teamcenter.

RapidAuthor Connector for Teamcenter Improvements

- Reuse illustrations function in RapidAuthor now can work with the illustrations and multimedia from Teamcenter Content Management. Only master illustrations are distributed to Teamcenter Content Management.
- Support for collaborative work between RapidAuthor and Service Planner in the Active Workspace environment
- New function to import S1000D data modules (with related resources) located in a particular folder or listed in a DMRL file.

New features in RapidDeveloper and RapidDeveloper for Teamcenter

RapidConfiguration

- New import settings for automatic IPC generation.

Improvements in RapidDataConverter for Teamcenter

- New CAD formats supported: NX 2206, Parasolid 34.1, Creo 9, Inventor 2023, Revit 2023.