

CoCreate® Task Agent

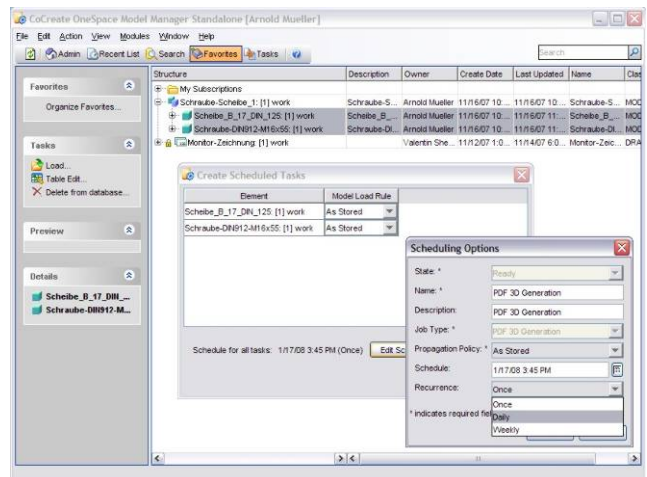
Automate operations on drawings and models in CoCreate Model Manager

Use CoCreate Task Agent, a CoCreate Model Manager add-on product, to automate repetitive or time-consuming operations on 2D drawings and 3D models stored in Model Manager.

Print or plot 2D drawings, convert drawings or models to viewing and geometry formats, or run clash analyses on subassemblies or complete product designs in the background on assigned hardware – overnight or while you work.

Throughout the product development process, engineers often spend much of their time on non-engineering tasks; for example, plotting a whole stack of 2D product drawings for the manufacturing department or a subcontractor. If you exchange paperless drawings, you typically spend time converting data into various 2D formats. Engineers may also need to exchange CAD model data with other CAD systems, or provide CAD neutral visualization formats for communication and archiving. In team design, you run regular interference checks on isolated subassemblies or complete product designs to ensure problems are found early.

Now, you can automate these repetitive activities with CoCreate Task Agent and free up your valuable engineering time for more important design work.



CoCreate Task Agent automates print/plot, format conversion, clash analysis as well as custom tasks

Key Benefits

- Saves time when preparing hard copy documentation and automates repetitive operations
- Lets you multi-task- convert 2D and 3D design data on another system while you continue your work
- Ensures the quality of your designs by continuously identifying interference and conflicts. You can set-up clash analysis definitions for parts or complete assemblies and rely on Task Agent to monitor your design
- Maximizes system resource utilization. Shared high-end systems on the server side allow for heavy-duty processing of even very large assemblies

Features and Specifications

Print/plot services

- Streamline the process of printing one or more drawings with the help of Task Agent
- Simply select your drawings and use the task dialog to flexibly associate master data, appropriate printing options, and destination printers
- Launch print/plot tasks on demand or schedule them for later
- You can even set up a regular schedule for print/plot

2D and 3D output format conversion

- Define format conversion tasks for immediate or scheduled, one-time or recurring execution
- Define trigger states for automatic generation and execution of immediate or scheduled format conversion
- Automatically convert 2D drawings to PDF, DXF, DWF, DWG, VRML, SVG, IGES, or HP-GL/2 formats
- Automatically convert 3D models to visualization formats such as eDrawings®, or VRML, or (with add-on CoCreate Interface products) to eDrawings® Professional, XVL®, 3D PDF, or U3D
- Automatically convert 3D models to the neutral geometry formats STEP, IGES 3D, and SAT, or (with add-on CoCreate Interface products) to CAD formats for Pro/ENGINEER®, CATIA® V4, CATIA® V5, I-deas®, Inventor™, NX®, or Parasolid®
- Store conversion results as related files to the drawings and models in CoCreate Model Manager, or delivered by email

Automated clash analysis

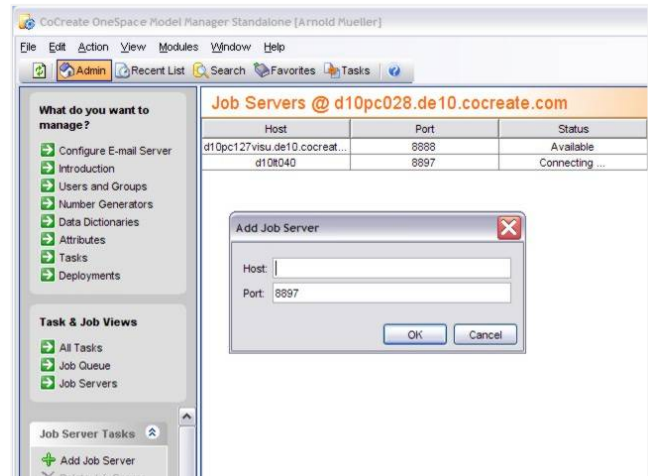
- Create clash analysis definitions in CoCreate Modeling and store them in CoCreate Model Manager with the model owner
- Define immediate or scheduled clash analyses with CoCreate Modeling services
- Automatically update clash results in CoCreate Model Manager. Then, review analyses updates when you load models back into CoCreate Modeling
- Ensure you're data is up to date. System marks analysis objects as outdated when anyone saves relevant model changes to CoCreate Model Manager

Generic jobs/tasks

- Freely define generalized job types that can export job input data and parameters, trigger job execution – running any script or application on the correspondingly configured Job Server – and handle result data

Administrative capabilities

- Set printer configuration in easy-to-edit XML file
- Monitor all tasks, job queue, job spooler, and job server status
- Add or remove resource hosts with CoCreate Drafting and CoCreate Modeling services



Administrative capabilities in CoCreate Task Agent help you add Job Servers for flexible load balancing

Customization capabilities

- Configure predefined XML tags
- Modify standard task parameters
- Adapt job scripts or existing tasks
- Flexibly define and program custom tasks/jobs on different levels

Prerequisites

- CoCreate Model Manager
- CoCreate Drafting for print/plot and 2D format conversion
- CoCreate Modeling for clash analysis and 3D format conversion

System Requirements

Client components run on the same platforms as CoCreate Model Manager:

- Windows® XP™ Professional 32-bit and 64-bit Editions
- Windows Vista™ 32-bit and 64-bit Editions of Business, Enterprise, and Ultimate
- Please note that 3D PDF and U3D format conversion is only available on 32-bit Job Servers

For more information, visit www.ptc.com/products/cocreate