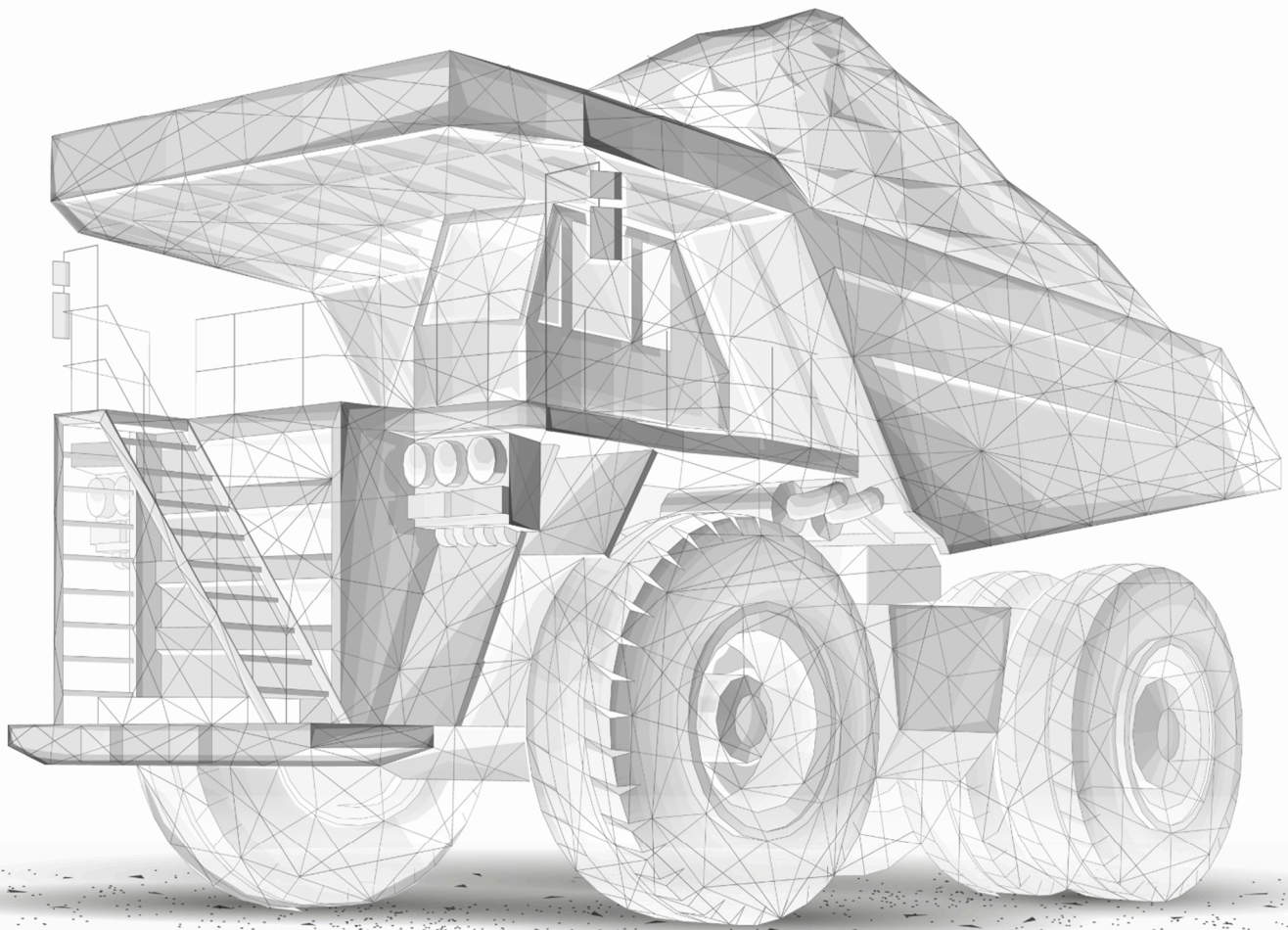# EPP

Engineering Process Publisher

Your booster for Positioning Assemblies and Extended Positioning Assemblies in PTC Windchill®.

EPP – Engineering Process Publisher

The Engineering Process Publisher (EPP) software suite from CADS Engineering GmbH is a modular extension and supplement to the Out-of-the-Box (OOTB) functionalities of Windchill PDMLink for the utilization of positioning assemblies and extended positioning assemblies.

EPP will enable you to supply updated visualization data (Creo View representations) in your Windchill system without having to republish the entire model each time. Unnecessarily long waiting times are thus avoided:

When using positioning assemblies or extended positioning assemblies, EPP enables the system to be able to differentiate between application cases as well as also to generate the corresponding type of representation for them. You will thus be able to publish large models and make many changes faster and more efficiently.
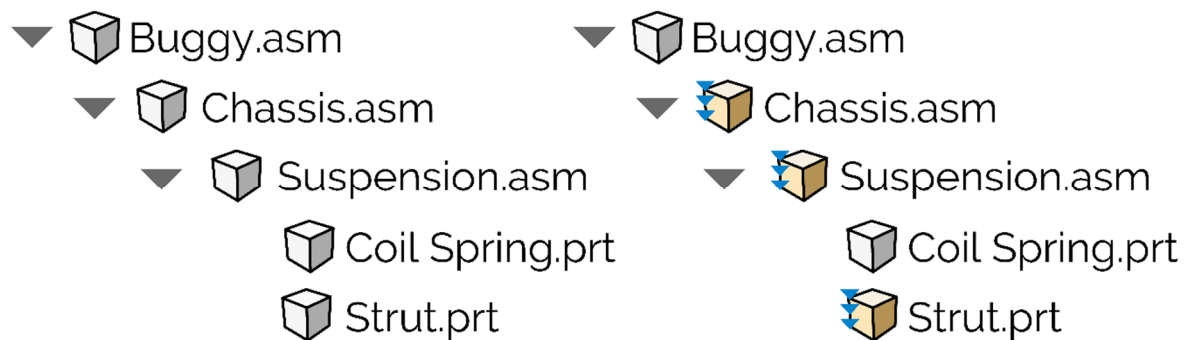
Monolithic Representation (left side) vs. Positioning Assembly including Extended Positioning Assembly (Coil Spring.asm)

An optimization of the Mark-Out-Of-Date process helps to reduce the number of non-required published jobs (and/or not even having to start them at all). This adaptation will enable you to more effectively control the workload of the workers with regards to the anticipated duration and the queues to be used.

Modules

Just as flexible as the application possibilities of EPP are the combination options. Individual modules can be combined with the predefined packages to tailor the solution precisely and cost-effectively to your requirements.

EPP- Foundation

The EPP Foundation Module differentiates between which model is being published and how and ensures that the visualization jobs are created and/or generated during check-in. Together with the Mark-Out-Of-Date Module, the EPP Foundation forms the basis for the Engineering Process Publisher and is mandatorily required for the deployment of all modules. Moreover, it offers the possibility to generate freely configurable publish jobs, e.g. based on lifecycle state, to use various ConfigSpecs (Latest, Latest Released, As Stored) for the publishing.

EPP- Mark-Out-Of-Date (MOOD)

The EPP Windchill Mark-Out-Of-Date Module determines the value of the Out-Of-Date parameters of the Creo® View representations in Windchill. It is used only for assembly units which have not been published as positioning assemblies. The functionality contained in this module makes it possible that only the last iteration is published or updated. Because it is generally not necessary to update obsolete iterations, the publishing jobs are reduced massively.

Platform Specifications

- *Microsoft® Windows® 10 /11*
- *Languages: English, German*
- *Beginning from Creo Parametric 7.0*
- *Beginning from   Creo™ View 4.1 and newer*
- *Beginning from   Windchill 11.x and newer*

EPP- Checker for Creo Parametric® and Creo Elements Direct®

The EPP Checker is a supplemental application for Creo® Parametric and Creo Elements Direct whose algorithms already ana- lyse the data during the processing. Thus, it is determined at the outset with which publishing strategy the data can be visualized. Moreover, the analysis contains the recursive checking of the assembly units. If there are design elements which alter the geometry of individual components, an identified parameter is generated. The toolkit application can be utilized throughout the entire company and is not restricted to a max. number of users.
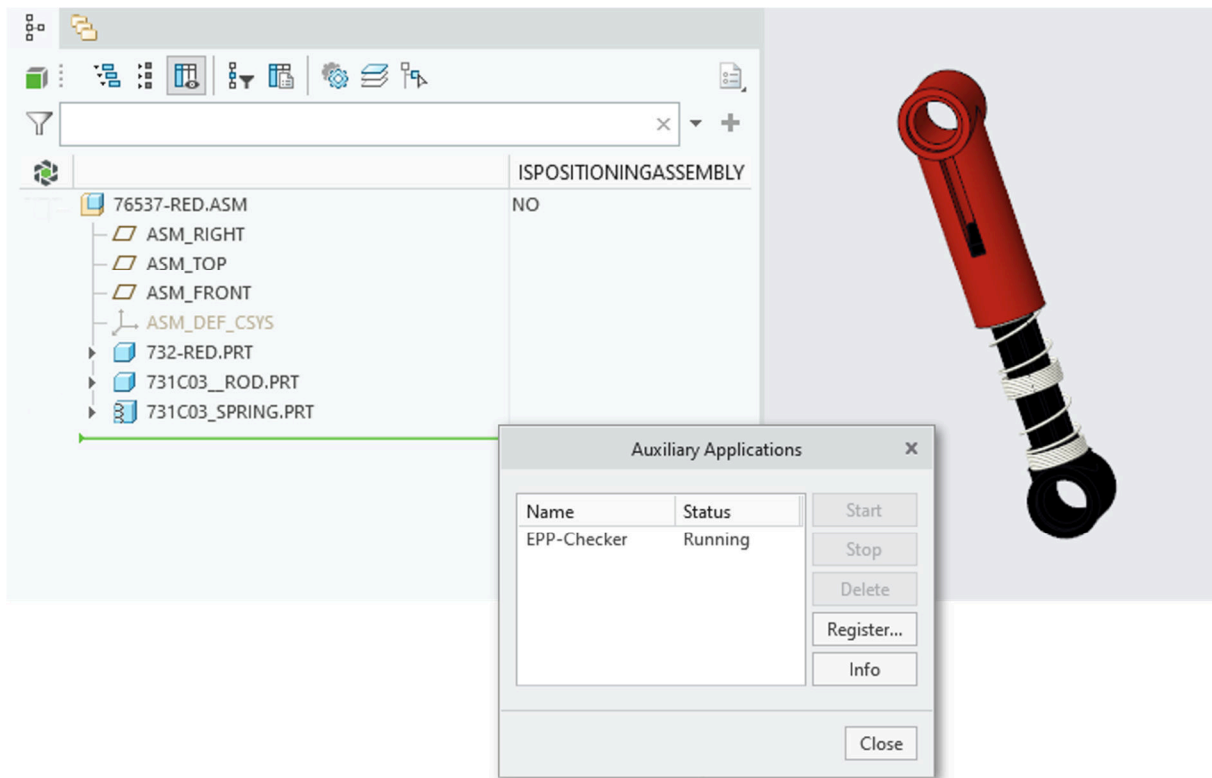

EPP- Scheduled Jobs

The Scheduled Jobs Module offers an abundance of pre-defined and configured scheduled jobs which will only then enable the efficient and successful utilization of visualization data at your company.

EPP- Queue Management

Via the Queue Management Module, Publish Jobs can be categorized to the pre-configured queues based upon various features. An Extended Position Assembly Job from an assembly unit can thus be saved, for example, in another queue than a Positioning Job of an individual ASM.
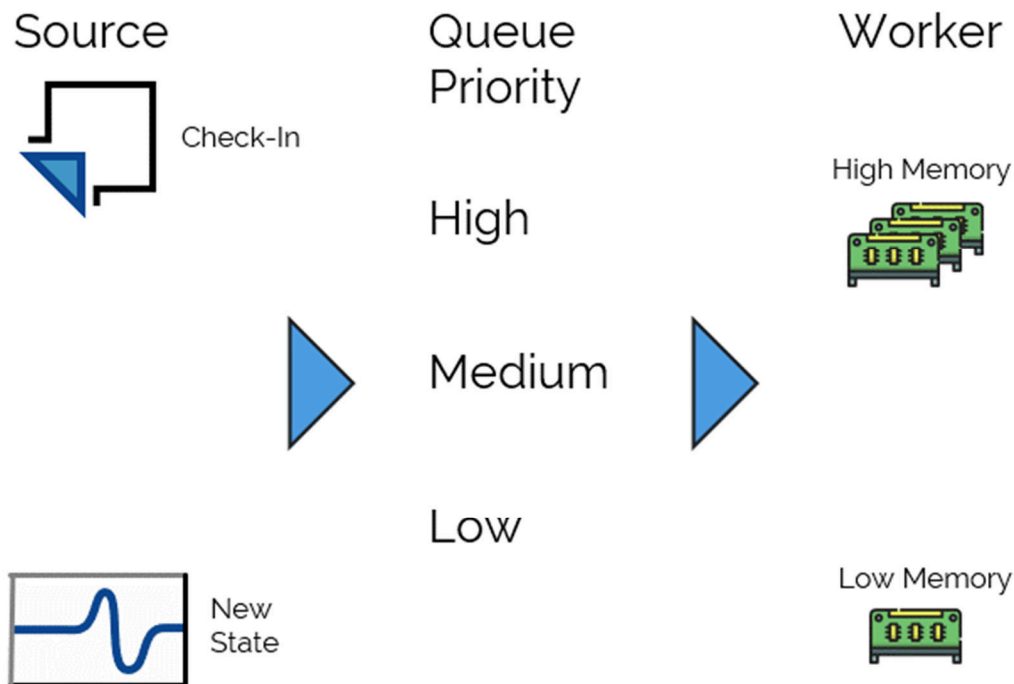
EPP- Priority Filter

To be able to provide the user with the required representations as fast as possible, the EPP Priority Filter Module offers the possibility of prioritizing Publish Jobs via a wide array of criteria. Thus, it becomes possible to determine with a high degree of precision which data have "priority" within the system because Windchill filters in the standard process only based upon EPM documents, but cannot differentiate between individual parts, positioning assembly units, monolithic assembly units and drawings. Other criteria such as Check-In or Scheduler are likewise taken into consideration.

The time required for the creation of representations can be reduced drastically via this mechanism. If multiple visualization workers should be deployed, the Queue Management Module is thus the optimal complement to a fast, efficient visualization process.

EPP- Server-Side Caching

The EPP Server-Side Caching Module is designed to cache Creo View structures for both EPM Documents and WT Parts. Structures are updated in real-time automatically, with no need to republish them.

Cached structures contain a single structure file only, which makes the downloading and loading processes much faster compared to the OTTB process. The EPP Server-Side Caching module can be used by the entire company staff and has no limit to the number of users.
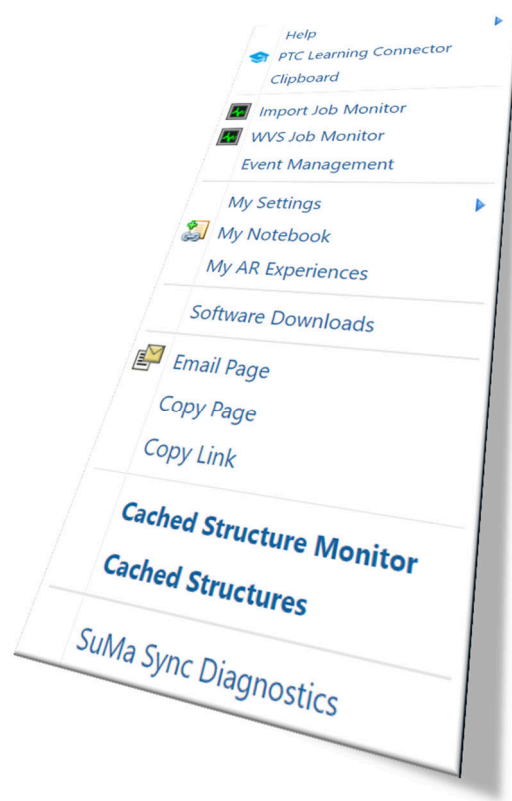
EPP Visualization Packages FY 25

Module	EPP Essentials	EPP Advanced	EPP Premium	Module only
Foundation	●	●	●	-
Mark-Out-Of-Date	●	●	●	-
Checker	○	●	●	€ 3990.-
Priority Filter	-	○	●	€ 3990.-
Queue Management	-	○	●	€ 3990.-
Scheduled Jobs	○	○	●	€ 3990.-
Server-Side Caching	-	-	●	AUR
Subscription Package:	€ 5490 .-	€ 8490.-	€ 20950.-	

● Included in Package | ○ Optionally Available | — Not Available in Package | AUR - Available Upon Request