



ENOVIA Collaborative Design for NX

Product Overview

ENOVIA® Collaborative Design for NX puts access to ENOVIA capabilities in the NX user interface, allowing designers to effortlessly access, manage, share, and store computer aided design (CAD) data without leaving their preferred environment. ENOVIA Collaborative Design for NX facilitates process workflow, increases data integrity, and improves configuration management. From NX, users can search and browse the ENOVIA system, and lock and checkout design or drawings to their local drives. After modification, users can upload changes to the ENOVIA system.

Product Highlights

ENOVIA Collaborative Design for NX connects the NX application and ENOVIA® Designer Central™. It provides the CAD user with a rich set of design data management tools accessible from within the CAD application. ENOVIA Collaborative Design for NX organizes the native types of parts, assemblies, attributes, etc. in NX and maps those entities to associated items in the ENOVIA system that the entire corporation will understand.

Microsoft Windows Explorer-based Interface for Workspace Management

A Microsoft Windows Explorer-based interface lets users access their local workspaces to perform lock/unlock, open, and refresh operations. Access is available also to ENOVIA workspaces and folder content, "My Locked Objects," "Collections," and "Recently Checked in Files." All ENOVIA managed data is represented to the user as if it is stored locally on the client. Users are able to utilize standard Explorer user interaction techniques to perform lock/unlock and open designs operations.

Product Structure Data Integrity

The combination of ENOVIA Collaborative Design for NX and ENOVIA Designer Central provides a powerful solution in maintaining the integrity and timeliness of NX data in the Product Lifecycle Management (PLM) system. ENOVIA Collaborative Design for NX controls the relationships between NX entities and how they are presented in the database. When a drawing is created, it becomes the parent by the very nature of the internal reference to the part. Another example is when a structure is being checked out for loading in the CAD application. ENOVIA Collaborative Design for NX controls what must be checked out for proper assembly in the CAD application, while ENOVIA Designer Central capabilities provide the user interface and business process accesses for the operation to be performed. Once files are checked out, data integrity issues may occur prior to checking the file back in to the ENOVIA system. ENOVIA Collaborative Design for NX provides an auto-recognition capability that gives the user confidence that on check-in, the file will be associated with the proper revision/version stream in from which it was checked out. Another aspect of maintaining data integrity is the synchronization between the CAD designs and the objects stored in the PLM database.

Product Driven Designs

Utilization of ENOVIA Collaborative Design for NX and ENOVIA® Engineering Central™ allows the automatic synchronization of a CAD design structure to an Engineering Bill-of-Material (EBOM). This link is critical to the correct representation of the intended design. "Start Design Templates" associate engineering parts during design check-in and creation. The CAD design is available immediately to the engineering community as a specification to the engineering part. Engineers may view a graphical representation of the associated specification.

Key Customer Benefits

- Maintain accurate representations of the intended design in the PLM database
- Achieve centralized management of all CAD files
- Control work-in-process, engineering changes, data, documents, and dynamic configurations
- Give non-engineering personnel direct, task-specific access to current CAD data
- Reduce the possibility of redundant, inaccurate, or out-of-date product information
- Increase information sharing while protecting intellectual property from unauthorized access
- Achieve ISO compliance
- Improve design control and business process management to realize truly functional product development and delivery



