PTC Windchill® for Cadence® Customers

Engineers can now design in their familiar Cadence environment while leveraging the powerful process and content management capabilities of PTC Windchill.

Synchronize with PTC Windchill from within Cadence design tools

- PTC Windchill Gateway for Cadence Allegro® Design Workbench (ADW)
- PTC Windchill Workgroup Manager for Cadence® Team Design Option
- PTC Windchill Workgroup Manager for Cadence® OrCAD® and Allegro®

Cadence and PTC Partnership

By working with Cadence for best-in-class ECAD tools and PTC Windchill for greater control and management, design teams can become more productive. Design methodologies can be implemented across all teams, and business data can be shared across design domains. This transparency of information across design tools and teams helps improve productivity and streamline development.
PTC Windchill Gateway for Cadence® Allegro® Design Workbench (ADW) allows you to capture and control your component information using PTC Windchill as the single product data repository—managing, controlling, and sharing parts information across the extended organization.

**Key Benefits**

- Automates the synchronization of Cadence ADW component data with PTC Windchill parts
- Extends the sharing of ECAD component data beyond engineering, departmental, and corporate boundaries
- Allows you to search for parts using multiple attributes
- Enables unified component selection for Engineers for better parts selection
- Ensures accurate bill-of-material (BOM) information in PTC Windchill and Cadence ADW

**Features**

- Bi-directional data exchange to synchronize PTC Windchill part attributes with Cadence ADW component attributes
- Map ADW attributes to PTC Windchill for full support of Instance Based Attributes (IBAs)
- Enable Cadence component attributes to be edited/controlled in the PTC Windchill environment
- Layout and group attributes
- Attribute and group inheritance
- Localization of classification node and attributes
- Multiple measurement system and units of measure
- Import and Export schema
PTC Windchill Workgroup Manager for Cadence Team Design Option (TDO) allows you to design in your familiar Cadence working environment and use PTC Windchill to manage a full product definition of ECAD and MCAD data.

**Key Benefits**

- Concurrent design allows “blocks” of a single project to be distributed to engineering specialists for parallel development
- Complete product BOM combining ECAD and MCAD for accurate data management
- Enhanced collaboration, which can lead to faster design, test, and verification
- Better decisions based on design accuracy, quality of data, and revision/change control
- Improves ability to share data with PCB manufacturers, causing improved quality and fabrication times

**Features**

- Multi-user block level hierarchical design
- Team Management for distributed design
- Access control to design elements
- Full design data management
- Notification of changes and updates
- Bill-of-Material (BOM) management
- Configuration of derived content
PTC Windchill Workgroup Manager for Cadence® OrCAD® and Allegro® supports collaborative design with PTC Windchill as the single, controlled product data source.

**Key Benefits**

- Manage, capture, share, and control complex ECAD design information creating a single product structure for efficient and accurate design.
- Eliminate manual errors by uploading BOM part structures, allowing for reporting and “where-used” searches.
- Generate PTC Creo View ECAD Visualization data, enabling non-ECAD users to access, mark-up, and collaborate on critical electrical design data.

**Features**

- Organize and manage derived design information (i.e., artwork, drawings and IDX files).
- Access ECAD design directly from PTC Windchill Workgroup Manager while providing versioning and iteration management.
- Enable check-in and check-out of latest configurations.
- Share electrical data for PTC Windchill products to projects in an access-controlled environment.
- Leverage PTC Windchill workflow engine for ECAD data, including Change Management and Product Release Processes.
- Launch Cadence ECAD tool directly from design data managed in PTC Windchill.
- Access PTC Windchill directly from within the Cadence application menu while providing versioning and iteration management.

**Platform specifications**

- **Prerequisite:**
  - PTC Windchill PDMLink
  - Cadence ADW
- **Operating Systems**
  (For all products)
  - Microsoft® Windows 7 (32 and 64 bit)
- **Languages:**
  - English, French, German, Japanese, Simplified Chinese

For the most up-to-date platform support information, please visit: PTC.com/partners/hardware/current/support.htm

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