



SIEMENS EDA

PADS Release Notes

Software Version: PADS VX.2.14
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Release Switcher

Use the Release Switcher to switch releases, even pre-VX releases (for example, EE 7.9.5 or PADS 9.5). You cannot use the Configurator. The Release Switcher is available from the Start menu at the following location:

Siemens EBS Admin Utilities > Siemens EBS Release Switcher

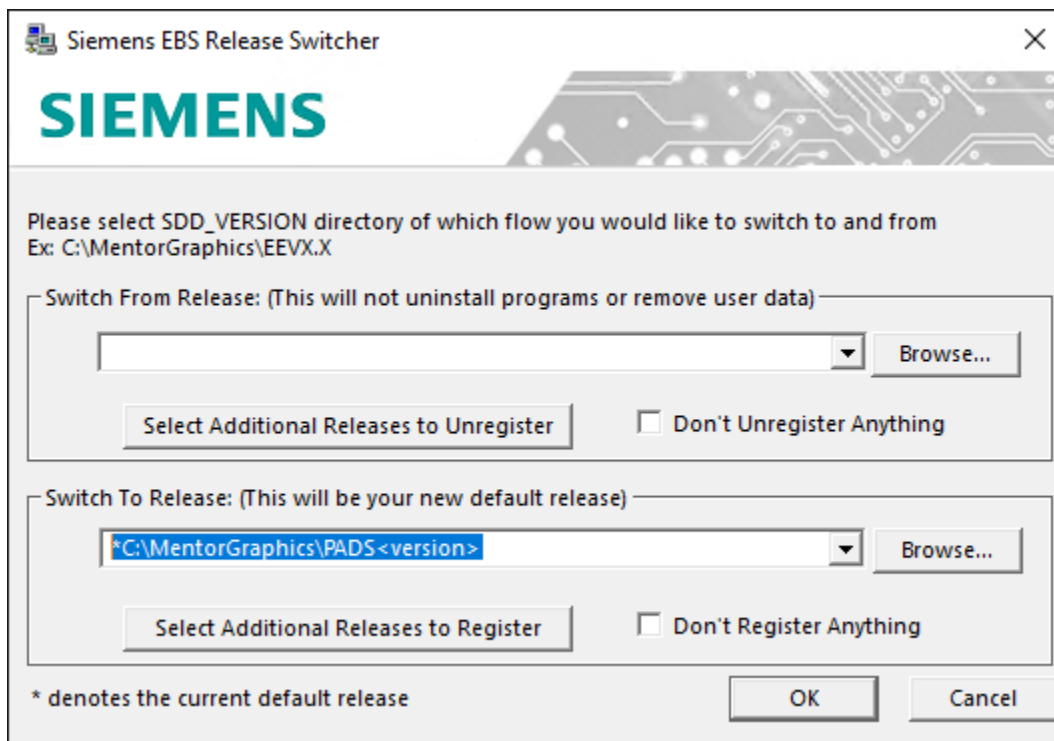
For more information, see Support Center Article MG586150
https://support.sw.siemens.com/knowledge-base/MG586150?pid=resource&pid_context=Related

Registering Your Software When SDD_USELOCALENV is Set to User

If the SDD_USELOCALENV variable is set to USER, and you are registering the software on the user account, use the Release Switcher to complete the registration process.

Procedure

1. Click the **Start > Siemens EBS Admin Utilities > Siemens EBS BSD Release Switcher** menu item.
2. In the Siemens EBS Release Switcher, set or verify that the “Switch From Release” box is empty and the “Switch To Release” points to the PADS VX.2.14 install path.



Installation

Known Problems and Workarounds

- **EBS-55222** — When UAC is disabled, PADS Designer cannot invoke any browser

Workaround: Use Internet Explorer, Firefox, or Chrome when invoking a web browser or using Online Help. To use Microsoft Edge, please enable User Account Control

- **EBS-128229** — It is impossible to install PADS VX.2.8 after PADS VX.2.10 or later version is installed

Workaround:

The PADS VX.2.10 (and later) installer uses a newer version of the Mentor Install Program (MIP). This is used in combination with the Director driven Installer for PADS installations, which depends on Java. The MIP had to move forward from JDK10.x to JDK11.x, which makes it incompatible for the PADS VX.2.8 and earlier releases to be installed after PADS VX.2.10 and later are installed.

A work-around exists which will allow the earlier PADS version to force the original MIP installer to be used so that it can install properly.

Note: there is no problem with installing an earlier PADS version and then installing PADS VX.2.10 or later afterward.

Steps:

1. If you have already installed PADS VX.2.10 (or later) and experienced the hang after attempting to install an earlier release, reboot the computer or use End Task in the Task manager to kill the installer process.
2. Open a Windows Command prompt (search for **CMD** using Windows Search).
3. Browse to the PADS install directory folder.
4. Type in the command: **Setup.exe - force**

This causes a pop-up message to appear asking, *Would you like to check for an update?* Click **No**.

A second pop-up message appears asking, *Would you like to continue anyway?* Click **Yes**.

Once the installation is complete, the two releases work normally and the Release Switcher can switch between releases normally as well.

You can find a Knowledge Base article about the workaround here:

[PADS Install Hangs When Installing an Older PADS Release After PADS VX.2.10 is Already Installed](#)

Broken Links in PDF Documentation

Due to enhanced security restrictions with web browser PDF plug-ins, some links do not function. Links in HTML documentation are fully functional.

Clicking a link within a PDF viewed in a web browser may result in no action, or it may load the title page of the current PDF manual (instead of the intended target in the PDF manual). The unresolved link behavior occurs in all web browsers on Windows® platforms. Because of this behavior, the navigational experience of PDF manuals is compromised. Instead, PDF is ideal for printing because of its page-oriented layout.

Use the HTML manuals to search for topics, navigate between topics, and click links to examples, videos, reference material, and other related technical content.

Design Entry

PADS Designer

Problems Fixed

- **EBS-82743** — Using the new search window in DxDataBook, selecting multiple items and double clicking, sometime the parts are not select in DxDesigner.
- **EBS-138503** — EFM Form script hangs on designs with more than about 3000 parts
- **EBS-139193** — Issue while deleting the segment of DGND net
- **EBS-140389** — Pin Number does not display on the schematic when square brackets are used for Pin Name
- **EBS-141342** — The ProjectChanged event runs before the project is opened.
- **EBS-142408** — Edit > Find and Replace > Search stop working after adding ground symbols
- **EBS-142421** — Minimum line thickness command documentation
- **EBS-143324** — Issue with EDIF Export in Designer
- **EBS-144784** — SchematicSheetDocument.Name property is Read-Only, Documentation states Read/Write

Known Problems and Workarounds

- **EBS-55222** — When UAC is disabled, PADS Designer can't invoke any browser

Workaround: Use Internet Explorer, Firefox, or Chrome when invoking a web browser or using Online Help. To use Microsoft Edge, enable User account Control.

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- **EBS-64067** — Searcher query Type==Net Name=a not working properly

Workaround: Type=="Net" Name=

PADS Logic

Problems Fixed

- **EBS-142000** — Altium schematics unexpected issues with the translator
- **EBS-141226** — Altium (*.schdoc) Hierarchical Schematic crashes PADS Logic on import

Constraint Manager

Problems Fixed

- **EBS-138789** — Changing clearance rule cell value in Constraint Manager causes issue with CM when using specific precision value and selection method

Verification and Analysis

PADS AMS

Problems Fixed

- **EBS-105429** — DC sweep in reverse order hang Waveform Analyzer when plotting waveforms
- **EBS-141260** — AMS Simulation error with multiple step DCsweep setting
- **EBS-141642** — The simulation stops with U/I: Unexpected EOF on RPC channel

Layout and Routing

PADS Layout

Problems Fixed

- **EBS-141703** — PADS 3D Adapter unexpected problems with PADS if copper hatch grid is set to 0
- **EBS-141864** — If both of some conditional rules are removed then the isolated copper is removed

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- **EBS-143287** — The Layout Viewer documentation is incorrect for the User Interface Help topic
 - **EBS-145931** — Clarify the documentation to indicate that clearance rules take the higher value

Known Problems and Workarounds

- **EBS-102645** — Design hangs MCAD Collaborator after pressing Refresh button

Workaround: Improvements to memory consumption have been made, but not to the point where all items can be extracted within the amount allowed in 32-bit applications. To work around this, you can export pads, traces, and vias separately, which will allow the process to continue, as long as you do not extract traces for more than top, or bottom, in one pass. In other words, top traces or bottom traces can be exported, but not both concurrently. The external traces result in a huge amount of data, and thus uses extended memory, based upon new items we include within the traces in IDX.

- **EBS-55671** — Symbols in starter library have off grid pins

Workaround: This library is built using the same standards as the ODA library promoted with 0.1" grid spacing, this means three pin devices such as Op Amps and discrete logic have their pins on 0.05" grid, users should set the grid to 0.05" when using this library.

PADS Router

Problems Fixed

- **EBS-145007** — Returning from Router Flooding Removes Specific Copper Shapes

Libraries

PADS Library Tools

Known Problems and Workarounds

PADS VX.2.14 Backward Compatibility

The Central Library created in PADS VX.2.14 is not backward compatible with previous versions of software (PADS VX.2.5 and older). If you create a single partition in PADS VX.2.14, you cannot use this library in older (PADS VX.2.5 and older) releases. If you want to open a library created in PADS VX.2.5 and earlier release, make a backup copy of the library before opening it in PADS VX.2.14.

In addition, the search scheme for decals in the Central Library is separate from parts. Verify the search order for parts, decals, and symbols before using the Central Library.

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