



SIEMENS EDA

Calibre® Release Highlights

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Chapter 1

New Features

This release is a quarterly release of the Calibre applications and replaces any previous Calibre release. This release includes functional and performance enhancements and defect fixes.

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General Calibre Release Information

This topic provides a high-level summary of operating system and hardware platform support. Siemens EDA strongly recommends that you refer to the Calibre Platform Support Overview and Roadmap for the most up-to-date and detailed information regarding operating system and hardware platform support.

http://calibre.mentorcloudservices.com/docs/Calibre_OS_Roadmap.htm

For detailed information on the features and defects addressed in this release, refer to the *Calibre Release Notes* and the *Calibre Corrected Defects and Known Issues*. These and other release-related documents are available on Support Center under the Calibre **Downloads** tab:

<https://support.sw.siemens.com/en-US/product/852852053/downloads>

Click the Calibre version to view the list of associated release documentation.

Notice Regarding Support for RHEL/CentOS 7.9

The 2021.2 Calibre release includes support for RHEL/CentOS 7.9 with the AOI and AOJ Calibre software trees.

Notice Regarding Support for RHEL 8

The 2021.1 Calibre release includes support for Red Hat Enterprise Linux version 8 (RHEL 8). The Calibre software for the RHEL 8 operating system is packaged into the AOK executable.

The rsh (remote shell) program provided on previous RHEL operating system versions (7 and earlier) is not supported on RHEL 8, being superseded by the ssh (secure shell) program. If you have scripts that use rsh and you plan to migrate to RHEL 8, you will need to modify your scripts to use ssh. Refer to the *Calibre Release Notes* for details on the tools affected by the change from rsh to ssh.

Notice Regarding Discontinuation of Support for RHEL 5

Support for the RHEL 5 operating system was deprecated starting with the 2017.1 release and is discontinued with the 2021.1 release. Calibre 2019.1 through 2020.4 require the use of an environment variable to allow the IXL tree to run on RHEL 5. The v11.13.1.2 version of Flexera FlexNet is not supported on RHEL 5; therefore, licensing is not guaranteed to work in an RHEL 5 environment with later versions of FlexNet. If licensing fails on RHEL 5, the only solution is to upgrade the operating system.

Notice Regarding Discontinuation of Support for SLES 12sp3

Support for the SLES 12sp3 operating system was discontinued with the 2021.1 release.

OPC Results Differences Between AOI and AOJ Calibre Trees

Differences may be observed in the results from OPC jobs that are run on an AOI and an AOJ Calibre tree. The differences in results are due to the different hardware processors and operating system libraries that are supported by the different Calibre trees.

Physical Verification

The following sections provide an overview of new products and general enhancements that were implemented for Calibre Physical Verification tools in this release.

Calibre PERC

- **perc_ldl::custom_r0 Results Enhancement** — Calibre RVE for PERC results presentation for perc_ldl::custom_r0 output has been enhanced to include P2P flylines for R0 (source to victim) and R1 (victim to sink) layers.

Chapter 2

Installation and Authorization Codes

The installation process consists of installing the MSL (Mentor Standard Licensing) software, the license file, and the product software and documentation.

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Installation Information

The latest installation information is available on Support Center.

- Licensing software and license file:

Installing the licensing software and license file is only required for new installations and updates to the licensing software.

- With the 2019.2 release, Calibre uses MSL v2018_2, which requires the FlexNet v11.16.0 licensing software.

License requirement information is available in the Calibre **Downloads** tab on Support Center:

<https://support.sw.siemens.com/en-US/product/852852053/downloads>

Click the Calibre version and then click **Release Info**.

Note



The IXL Calibre tree, which only runs on RHEL5 and was deprecated with 2019.1, continues to use MGLS v2015_1 and FlexNet v11.13.1.

- The 2019.1 and prior Calibre releases use MGLS v2015_1 which requires FlexNet v11.13.0.2 license server or newer. In addition, Flexera fixed a FlexNet license server security vulnerability that is available in FlexNet v11.13.1.2. Siemens EDA strongly recommends that all customers upgrade their FlexNet license server to v11.13.1.2 or newer. For more information, refer to KB Article [MG592381](#) on Support Center.
- The Calibre software and documentation:

Refer to the *Calibre Administrator's Guide* for information on installing the software and documentation.

Authorization Codes

No changes to authorization codes are required for this release. You can request your existing authorization codes by opening a non-technical Service Request on Support Center:

<https://support.sw.siemens.com/en-US/support-case>

For additional information on licensing, refer to the *Licensing Mentor Graphics Software* manual. For Calibre product-specific licensing information, refer to the *Calibre Administrator's Guide*, available in the *release_documents* directory shipped with the Calibre software tree and also in the Calibre documentation tree.

Chapter 3

Support and General Information

Mentor Graphics Support Center provides access to technical solutions, documentation, and training information.

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Global Customer Support and Success

A support contract with Siemens is a valuable investment in your organization's success. With a support contract, you have 24/7 access to the comprehensive and personalized Support Center portal.

Support Center features an extensive knowledge base to quickly troubleshoot issues by product and version. You can also download the latest releases, access the most up-to-date documentation, and submit a support case through a streamlined process.

<https://support.sw.siemens.com>

If your site is under a current support contract, but you do not have a Support Center login, register here:

<https://support.sw.siemens.com/register>

Calibre Communities

Participate in IC Layout Verification and Optimization communities — a place to learn, share, and network with other designers:

<https://community.sw.siemens.com>

Calibre Tutorials and Example Kits (eKits)

Calibre tutorials and example kits, including the Calibre QuickStart example kit, are available for download from Support Center.

<https://support.sw.siemens.com/en-US/product/852852053/documentation>

Choose the **Documentation** tab and the Getting Started Guide document type.

Refer to the *Calibre Release Notes* for information on the available tutorials and example kits and how to access and download the files on Support Center.

Calibre Videos

The Calibre InfoHub includes links to several getting started and introductory videos. Refer to the *Calibre Release Notes* for information on the available videos.

Videos are also available at the following locations:

<https://support.sw.siemens.com/en-US/product/852852053/learn-explore>

<https://eda.sw.siemens.com/en-US/ic/calibre-design>

Siemens EDA Training

The Siemens EDA training catalog contains a large variety of instructor-led courses. Classes are available in Siemens EDA worldwide training centers, onsite at your workplace, and online with live instructors.

Course descriptions and class schedules can be viewed at:

<https://eda.learn.sw.siemens.com/training/>

Third-Party Information

Details on open source and third-party software that may be included with this product are available in the *<your_software_installation_location>/legal* directory.

