SIEMENS

Calibre® Interactive™ (New GUI) Quick Reference
Software Version 2021.2

Documentation

See the *Calibre Interactive (New GUI) User's Manual*.

Application Launch

Set the variable:
```
setenv CALIBRE_ENABLE_NEW_CI_LVS 1
setenv CALIBRE_ENABLE_NEW_CI_DRC 1
setenv CALIBRE_ENABLE_NEW_CI_PERC 1
setenv CALIBRE_ENABLE_NEW_CI_XRC 1
```

The same invocation methods work:
- From a design tool: Calibre > Run nmDRC, or Verification > Run nmDRC
- From the command line:
```
calibre -gui -drc -runset <runset>
```

Batch operation: Use the -batch option

Using Existing Classic CI Files

You can use existing Calibre Interactive runsets and Tcl customization files.

Classic Runsets:
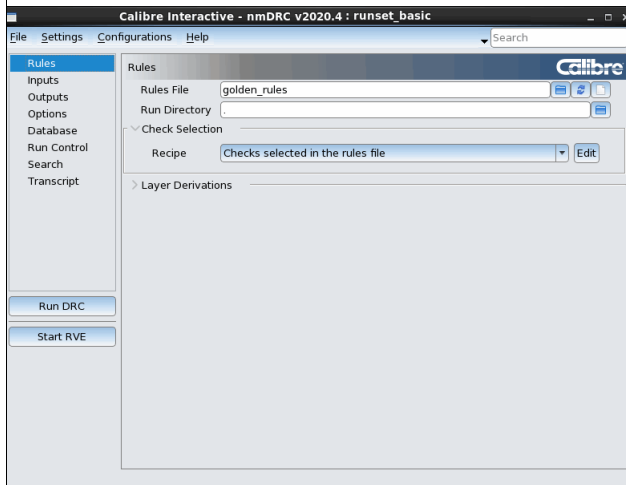```
calibre -gui -drc -runset <runset>
```

Conversion issues are noted in the Transcript page. When you save a runset, it is saved in the new format.

Classic Customization Files:
```
calibre -gui -custom <custom.tcl>
```

Customization settings are placed on the Custom page within the GUI. Conversion issues are noted on the Transcript page.

## GUI



To access other pages such as Options, Preferences, and Triggers, choose **Settings > Show Pages**.

## Setting Up and Starting a Run

1. Select **File > Load Runset** to load a saved runset.
2. Click **Rules** on the left panel and specify the rule file and run directory.
3. Click **Inputs** on the left panel and specify the required input. This information is filled in automatically if you invoke the GUI from a design tool.
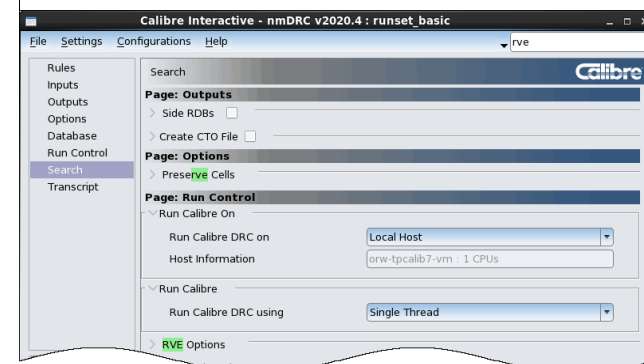
   To specify additional layout or schematic input files, click **Database** and expand the "Library" area. (Choose **Settings > Show Pages** if this page is not available.)
4. If you invoked the GUI from a design tool, check that "Export from layout viewer" and "Export from source viewer" are set in the "Layout Path" and "Source Path" areas.
5. Click each of the other page names and set options as needed. If any GUI pages have a ❗ by their name, provide the required input.
6. (Recommended) Choose **File > Save Runset** to save the GUI settings.
7. Click the **Run <app>** button to start the run.

## Basic Features

- Hide and show pages: **Settings > Show Pages**.
- View the control file: Click the **Run <app>** button while pressing the Ctrl key, or choose **File > View Control File**. The control file is opened in the Files page and the command line is displayed on the Transcript page.
- Load a rule file: Click the 🔁 button on the **Rules** page.
- Specify additional rule files: On the **Options** page, check "Include Rules Files" and enter the paths to the additional rule file(s).
- Specify additional layout or schematic input files: On the **Database** page, expand "Library" and specify files.
- Start Calibre® RVE™ after the run: On the **Run Control** page, expand "RVE Options" and enable "Show Results in RVE".
- Load a runset: **File > Load Runset** or **File > Recent Runsets**.
- Save a runset: **File > Save Runset** or Ctrl-r. To save all options, set the environment variable MGC_CALIBRE_SAVE_ALL_RUNSET_VALUES to 1.
- Change the GUI font size: **Settings > Change Font**.
- View and edit text files: **File > Open Text File**, **File > Recent Text Files**, or select next to an input file.
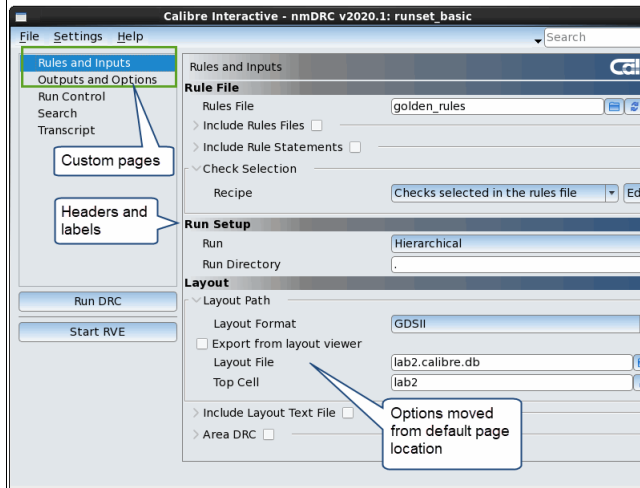
## Search



Enter the search term in the top right Search field. The **Search** page is populated with GUI options that include the search term, and you can make changes directly on this page.

You can enter runset option names. Matches are made to text in tooltips, but tooltip matches are not highlighted.

## GUI Customization

You can create new GUI pages, relocate and reorder options, and more.



## Loading a Configuration File

You can use four different methods to load a configuration file.

Click **Configurations > Load** and specify a file.

Specify with the -config command line option. You may enter more than one configuration file. For example:

```
calibre -gui -drc -config drc.cfg
calibre -gui -lvs -config lvs1.cfg lvs2.cfg
```

Specify with an environment variable:

```
MGC_CALIBRE_DRC_CONFIG_FILE
MGC_CALIBRE_LVS_CONFIG_FILE
MGC_CALIBRE_PERC_CONFIG_FILE
MGC_CALIBRE_XRC_CONFIG_FILE
```

For example:

```
setenv MGC_CALIBRE_DRC_CONFIG_FILE drc.cfg
```

Specify on the **Preferences** page in the GUI

1. Click **Preferences** on the left panel. Choose **Settings > Show Pages** if it is not visible.
2. Enable the "Configuration" checkbox and specify one or more configuration files. The configuration files are loaded in the order specified.
3. Click **Load Configuration Files**.
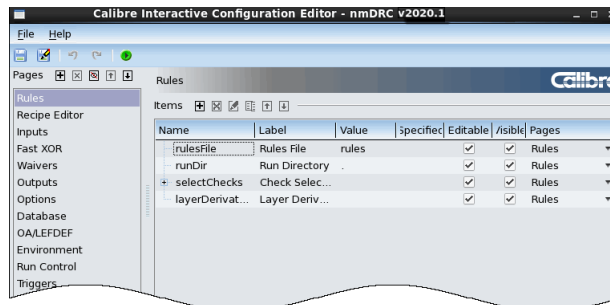
Using the Configuration Editor

You can customize the GUI using the Configuration Editor and save the configuration file for later use.

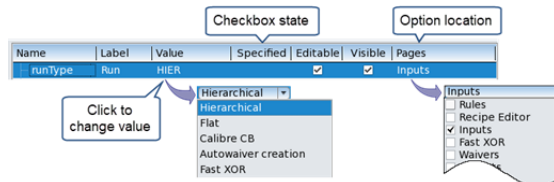Open the configuration editor with the command:

```
calibre -gui {-drc | -lvs | -perc | -pex}
        -config_editor
```

For example:

```
calibre -gui -drc -config_editor
```
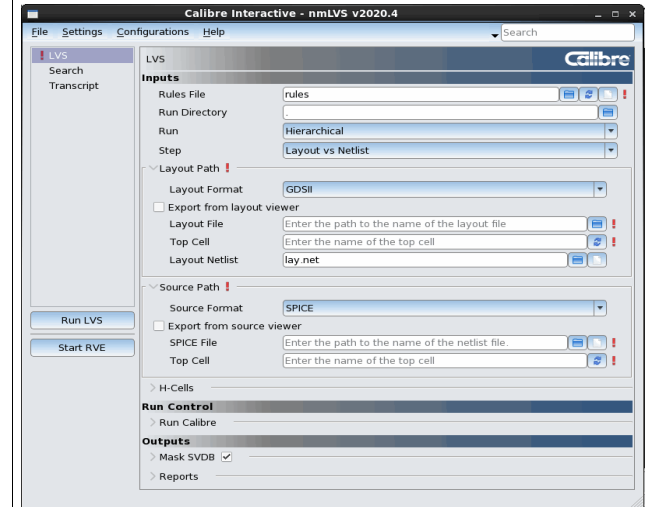

- Add, delete, hide, and move pages with the Page toolbar (Pages ⊞ ☒ ⊠ ⬆ ⬇). You can also drag and drop pages to rearrange them.

- Set values, options, and the locations for controls.

  Click in any cell to change the initial settings for the control:

- Add, delete, edit, copy and move items with the Items toolbar (Items ⊞ ☒ ✎ ▤ ⬆ ⬇). You can only delete, edit, and copy custom items. You can also drag and drop items to change the order.

- Add custom GUI controls, such as for #DEFINE and Variable statements, labels, headers, and separators.

  Click the ⊞ icon in the Items toolbar to add a custom control. Define the item's Type and other properties.

  Items are added at the end of the page.

- Click 🟢 (or choose **File > Preview Configuration**) to view the GUI with the customization applied.

- Click 💾 (**Save**) or 📝 (**Save As**) to save the custom settings to a configuration file.

Simplified Views

You can work with pre-built, simplified configurations of the Calibre Interactive GUI when using Calibre Interactive nmDRC or nmLVS.

1. Save your current runset with **File > Save Runset**. The runset is closed before applying the simplified view; any unsaved changes to the GUI will be lost.
2. Choose **Configurations > Simple DRC** if you have Calibre Interactive nmDRC open, or **Configurations > Simple LVS** or **Configurations > Recon SI** if you have Calibre Interactive nmLVS open.
3. Configure the settings as desired on the **DRC**, **LVS** or **Recon SI** page.
4. (Optional) Choose **Settings > Show Pages** to display additional pages, such as the **Options**, **Database**, or **Preferences** pages, and make desired changes.
5. Save the runset with **File > Save Runset**.

You can choose **Configurations > Startup** at any time to return to the default view. If you select to return to the default after making changes to the configuration, you are prompted to save the runset.

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