Agilent EEsof EDA Licensing

Agilent EEsof EDA products require a license server in order to operate. For Windows systems, the Agilent EEsof EDA License Software is automatically installed with the product. The license wizard is launched automatically at the end of product installation. It configures and setup the license server on your local machine. Linux and Solaris is not an automatic installation and require manual installation.

Agilent EEsof EDA Licensing Software allows a user to install the license server components separately and independently from any product installation. For details on how to install, refer to Install Instructions (per Operating System). For example, if your Agilent EEsof EDA product is installed on a Windows machine, but your license server is on a Linux machine, you only have to download and install the Linux version of the Agilent EEsof EDA Licensing Software, not the complete product installation for Linux.

To order new licenses for the Agilent EEsof Software, select your product and request your license at: http://edocs.soco.agilent.com/display/support/Licensing .

What's New

Starting October 2012, all Agilent EEsof Product Releases will require a) version 2012.08 of the EEsof EDA licensing software, and b)version 3.0 codewords to run. Refer to License Version Compatibility on Knowledge Center.

Below outlines some highlights of what's newly included in the version 2012.08 EEsof EDA Licensing software:

1. New License Manager
The License Manager is now the single-point entry to all licensing related tasks. It provides an interface to:
- Configure Licenses, such as add or replace a license file, add or replace a network license server, request for additional licenses, and change the default product startup license.
- Show Environment Variables related to licensing. Your computer host name, IP address, FlexNet version are some of the examples.
- Identify all the license features found in your license setup. Codeword version, number of features used, expiration date are presented as well.
- List all the license servers set up in your configuration.
- Provide information about bundles and elements that are available or in use. You can sort the usage by the codewords or by Users.
- Describe what capabilities are enabled by each license in your licensing pool.

2. New licensing implementation logic. For more details, refer to "Licensing Behavior" section of the Licensing (For Administrators) in your product documentation.

3. Product Selector

   The **Product Selector** displays a list of licenses that can be used to start Agilent EEsof software, and provides details of the features contained within a product. The **Product Selector** dialog box only appears if multiple licenses are available to start the software. It does not appear if there is only one license present, or if you have already pre-selected a startup license earlier and that license is available.

Other Enhancements/Improvements

- Improved, more seamless, and robust license behavior.
- Easier license start-up experience.
- Easy guided error messaging – clear, easy to understand messages, with suggested actions to proceed.
- CAD administrators have better support for custom installations – easier and more control options.
- License server interrupt recovery, including safe mode exit if server does not recover.
- Added Support for Distributed and Remote simulation (transient and S-Parameters) – supported via Simulation Manager.
- New license summary embedded in license file header – describes license type, version, Qty, and host ID.
- License Configuration Guide to help understand how to configure license purchases to better suit their needs.
- License administration guide – Provides EEsof centric information to help CAD administrators manage EEsof products.

Issues Addressed

- The EEsof EDA License Tools version is 2012.08. Licensing vendor daemon (*agileesofd*) is upgraded to sync up with FlexNet FNP 11.9.1 version of FLEX license manager (*lmgrd*). The product installer for the Windows platform will automatically set up these two new license server daemons by default for the local node-locked license users; for Linux, you need to follow the Linux/Solaris Licensing Setup instruction to complete the licensing configuration process. For more details, refer to Licensing (For Administrators) in your product documentation.
- FLEX-10 dongle license works on the Linux 64-bit platform.
- There have been significant improvements in product licensing for this release. As a side effect of these upgrades, a single license cannot be shared by the current product release (new) and any prior releases running concurrently.
- FLEX's TIMEOUT/TIMEOUTALL option is completely functional in the current release--the pjc_ license is duly returned after the specified timeout period.
- If a user encounters issues with licensing he can't workaround, the user can revert to an older version of the EEsof licensing tools by uninstalling the current version and then running the stand alone "EEsof License Tools Installer" available under the EEsof web site. The following are the steps to uninstall and re-install the previous version of the "EEsof License Tools" on

Windows.   On Linux, the previous version of the "EEsof License tools" will be available under the previous installation directory of the product or at a location where tools were installed separately.

- o Before you uninstall the current version of the License tools, download the 11.9.0.40 version of the Agilent EEsof License Tools Installer.
- o Go to **Control Panel > Add Remove Programs or Computer/Uninstall or change program > uninstall** the current version of the "EEsof License Tools".
- o Double-click the installer for the 11.9.0.40 version of the "EEsof License Tools" to re-install.

- Dongles can now be "hot swapped" i.e. plugged-in for use with an existing session without manually re-starting the license server.
- All standard license server configurations are now supported appropriately.

Licensing Known Issues

- There is a known Flexera FNP issue whereby mixing node-locked codewords and floating codewords in one license file can result in:
    - Remote simulations not working
    - A second local simulation not working in case the license is node-locked and also has incorrect version.
  Workaround: It is strongly recommended to not mix node-locked codewords and floating codewords in one license file nor in any configuration that contains node-locked codewords and floating codewords on the same server. Put the node-locked license and the floating license on different servers. On the Linux platform, <PRODUCT>_LICENSE_FILE needs to be correctly specified before starting the product. Without that being set correctly, Product will not start.
- Not specifying the TCP/IP port for the license server during license setup may lead to unexpected behavior and/or license checkout failure on the Windows platform. We strongly recommend you to always explicitly specify the TCP/IP port associated with each license server.
- A node-locked bundle operating on Linux cannot be shared between current and previous product releases when run at the same time.
- The "Check-in failed" message occurs in the license activity log occasionally can be ignored; the license mentioned in this message is actually properly returned.
- License Setup Wizard does not remove any previous user-configured FLEX Windows License Service installed using Flex's lmtools.
  Workaround: You must remove the previous user-configured Windows License Service via lmtools.
    - Run the lmtools.exe from *C:\Program Files\Agilent\EEsof_License_Tools\bin* to invoke the lmtools utility.
    - The lmtools utility window is displayed.
    - In the **Service/License** File tab, check the **Configuration using Services** option.
    - All user-configured FLEX Windows License Services will be listed.
    - Select the service you wish to remove.
    - Select the **Config Services** tab and click the **Remove Service** button to remove the service.
    - To ensure that the license service or *lmgrd* is running, click **View Log**.

- A log window appears that confirms whether ***agileesofd*** and ***lmgrd*** are up and running.
- While running multiple versions of prior Agilent EESof Software releases together, set <PRODUCT>_MAXIMUM_BUNDLE_USAGE=ON in your environment so that all of them will use the same method to check out licenses. Otherwise, you might receive an error message, "Licensed number of users already reached".

- On some Windows 7 machines, when more than one definition of an Ethernet adapter exists (duplicates), license checkouts may appear to hang up.
  Workaround: Disable the duplicate network card definitions in your network settings: Control Panel > Network and Internet > Network Connections. This issue has been acknowledged by Flexera and they have created a bug report (SIOC-000103097).
- If a license server is configured with two license versions, that is, version 2.8 and 2.9 node-locked license files, the license server may crash.
  Workaround: You should combine the two license files into one file, instead of using them separately.
- For LSF style distributed simulations, in case of windows, be sure that the PATH points to the $HPEESOF_DIR/EEsof_License_Tools/${architecture} directory corresponds to the EEsof release being used. This needs to be done in order to ensure that the proper version of the Flexera utilities (like lmutil) gets picked up in the path before any older incompatible versions (that may also be installed on a users' system.)
- **License Setup wizard** (`aglmwizard.exe`), which is used to set up and record the license path, would not on the Linux platform if you already have environment variable set for <PRODUCT>_LICENSE_FILE.
  Workaround: You can use <PRODUCT>_LICENSE_FILE variable to point to license file manually, or refer to Licensing (For Administrators) in your product documentation.