



Lattice Radiant Installation Instructions

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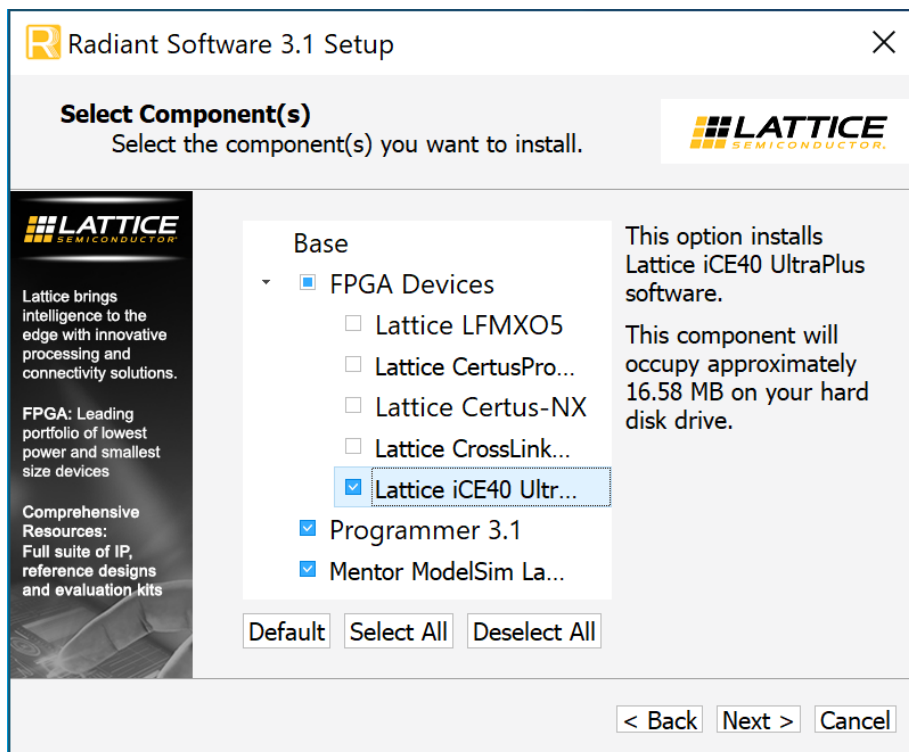
Introduction

Lattice Radiant is the synthesis tool provided by Lattice Semiconductor for targeting their FPGA devices.

Download

Download the software installer from Lattice's website for your operating system from this link [Lattice Radiant Software](#). (Windows and Linux only. You will need to use virtualization to use Radiant on Mac.) The current version as of this writing is 3.1. You will need to create an account to access the download.

As part of the installation, make sure to select the iCE40 UltraPlus family device support package along with the Programmer and Mentor ModelSim Lattice Edition. After this menu, click through to finish the installation process.





Licensing

To run Radiant you will need to also request and install a license for the software. Navigate to <https://www.latticesemi.com/Support/Licensing/DiamondAndiCEcube2SoftwareLicensing/Radiant> and request a node-locked license. This license is designed to be run on a single computer.

To download the license you will need to find your Host Network Interface Card (NIC) address. To find the NIC address, follow the steps below.

For Windows, from an MS-DOS window (command prompt), use the `ipconfig /all` command

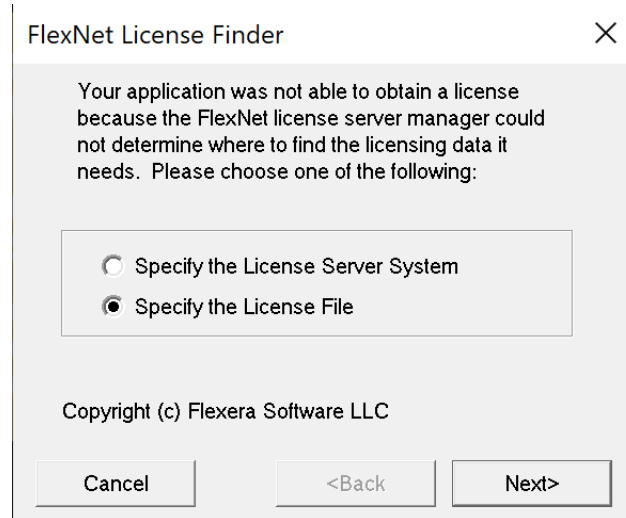
For Linux, from the command prompt, use the `ifconfig -a` command

```
Ethernet adapter Ethernet:

Connection-specific DNS Suffix  . : localdomain
Description . . . . . : Intel(R) 82574L Gigabit Network Connection
Physical Address. . . . . : 00-1C-42-D2-B7-CB
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
IPv6 Address. . . . . : fdb2:2c26:f4e4:0:75b6:bb49:f8da:86e9(Preferred)
Temporary IPv6 Address. . . . . : fdb2:2c26:f4e4:0:e1bd:86f1:c09:29d1(Preferred)
Link-local IPv6 Address . . . . . : fe80::75b6:bb49:f8da:86e9%9(Preferred)
IPv4 Address. . . . . : 10.211.55.3(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Lease Obtained. . . . . : Wednesday, May 11, 2022 9:13:17 AM
Lease Expires . . . . . : Wednesday, May 11, 2022 10:13:18 AM
Default Gateway . . . . . : 10.211.55.1
DHCP Server . . . . . : 10.211.55.1
DHCPv6 IAID . . . . . : 100670530
DHCPv6 Client DUID. . . . . : 00-01-00-01-25-25-74-BA-00-1C-42-D2-B7-CB
DNS Servers . . . . . : 10.211.55.1
NetBIOS over Tcpip. . . . . : Enabled
```

Enter your Host NIC address (without dashes) and click the required checkbox. You do not need to select any of the optional Radiant Free IP. Then click the “Generate License” button.

After receiving the license file (license.dat), follow the instructions in the email about how to install the license. You should have to place it in the location specified in the email (C:\licenses\FlexLM on Windows), select this license location in the FlexNet License Finder window, and set the `LM_LICENSE_FILE` environment variable to the path of your license file ([instructions](#)). This should ensure that both Radiant and ModelSim are properly licensed.



You can also check the license paths afterwards by using the License Debug Tool under the Help menu.