

## Icarus Verilog Installation Guide

- The Windows version can be directly downloaded from the following link, which includes both “iverilog” and “gtkwave”:

<http://bleyer.org/icarus/>

- For installing under Linux, the following guidelines may be followed:

### 1. Version: 10.0.1

### 2. Download URL: <ftp://icarus.com/pub/eda/verilog/v10/verilog-10.1.tar.gz>

### 3. Prerequisite:

#### i. Ubuntu, Mint Linux:

```
sudo apt-get install build-essential bison flex gperf  
readline-common libncurses5-dev build-dep nmon autoconf
```

#### ii. For Fedora:

```
sudo yum install make automake gcc gcc-c++ kernel-devel bison  
flex gperf readline-devel ncurses-devel autoconf
```

#### iii. OpenSUSE:

```
sudo zypper install make automake gcc gcc-c++ bison flex  
gperf readline-devel ncurses-devel autoconf
```

### 4. Installation:

#### A. From Source (Latest version):

##### i. Uncompress the source file:

```
tar -xzf verilog-10.1.tar.gz
```

##### ii. Move to source folder:

```
cd verilog-10.1.1
```

##### iii. Configure the source:

```
./configure --prefix=/usr
```

##### iv. Testing Icarus:

```
make check
```

##### v. Install Icarus:

```
make install
```

## **B. From Premade Package:**

### **i. Ubuntu:**

```
sudo add-apt-repository ppa:team-electronics/ppa  
sudo apt-get update  
sudo apt-get install verilog
```

### **ii. Fedora:**

```
sudo yum install iverilog
```

### **iii. OpenSUSE:**

```
sudo zypper install iverilog
```

## **5. To view the digital waveform of signals:**

### **i. Ubuntu, Mint Linux:**

```
sudo apt-get install gtkwave
```

### **ii. For Fedora:**

```
sudo yum install gtkwave
```

### **iii. OpenSUSE:**

```
sudo zypper install gtkwave
```