

# Open Source



# *What is Open Source ?*

The term open source refers to software in which the source code is freely available for others to view, amend, and adapt.



The basic idea behind open source is very simple: When programmers can read, redistribute, and modify the source code for a piece of software, the software evolves. People improve it, people adapt it, people fix bugs.

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# *Open Source and Free Commercial software*

- In The open source community “free” means liberty not price.
- In other words "free" means the freedom to develop ,examine and alter the source code.



# *General Public License (GPL)*

- One of the reason for the popularity of GNU/Linux is that it is protected under GNU GPL.
- The features of GNU GPL includes.
  - Running an application for any reason.
  - Obtaining the source code or the application.
  - Study the behavior including source code.
  - Alter the source code.



# *Market Share*

- Apache is the #1 web server with over three times the market share of its next-ranked competitor.
  - GNU/Linux is the #1 server OS on the public Internet (counting by domain name).
  - GNU/Linux is the #2 web serving OS on the public Internet (counting by physical machine).
  - PHP is the web's #1 Server-side Scripting Language.
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# *Advantages of Open Source software*

- Reliability
- Performance
- Scalability
- Security
- Total Cost of Ownership

