

Open Source Software

Lecture #4

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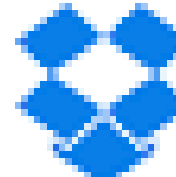
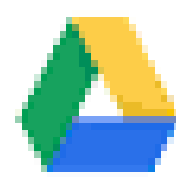
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Introduction

- Anyone who has spent much time on the Internet has probably seen programs available for downloading. In most cases, these programs are being distributed either as shareware or freeware, or as a hybrid of the two. These programs appear to be distributed “for free,” but the real story behind shareware and freeware is more complicated than that.

Freeware.



- Freeware software is a type of software that you can use free for a lifetime.
- Freeware is free to any one with the fully functional mechanism having no expiry date.
- Users are not allowed to do anything with the software that is not permitted by the author.
- The author may retain the copyright..
- Users can use this software without any cost.
- it does not mean that the source code is also available along with the software. No such right to read or modify the source code is given.
- Anyone can download it from the internet and use it for free.

Freeware



ADVANTAGES

- **Cost:-** Available to users free of cost.
- **For Student :-**Students and unemployed people can take advantage of using freeware as they cannot pay higher costs for using any proprietary software. The freeware software is used mostly by people that cannot afford paid software.
- **Free for life time:-**Freeware software has no time limit. You can use them for months and years without paying any money.

- **Shift to other freeware easily** :-As you have not paid any cost for freeware you can easily install other freeware software and uninstall previous software. You can choose any type of freeware and test it and use it for a longer time if you wish.

- **Support from the large community:-** As freeware has a large number of users so this software has good support. You can find forums on the internet from where you can get help regarding that software. There are experts on the official website of that freeware software that can help to solve your problem. Not all freeware have good support but most of the popular software has good community support
- Examples are Adobe PDF, Yahoo Messenger, Google Talk, MSN messenger, etc

Question

What is the difference between
Freeware and Free software ?

Answer:-

You cannot modify code in freeware software and also you cannot distribute software without author permission. While free software can provide you with source code that you can modify and also redistribute the software

Freeware

Dis advantage

Maintenance charges:

- If a company is developing any freeware then it needs to consider its maintenance cost. They need to market the freeware software that needs a huge budget. Also, they need to edit and update the freeware for keeping users active. The company have to pay salaries to the employees for the product that is giving no money in return.

Errors handling:

- In the initial stage of releasing freeware, there arise errors in the software. Some users may contact the company for error removal. The company have to remove errors and bugs from the software for free.

Copyright protected:

- All freeware software has some copyright rules. You cannot use freeware if you go against copyright rules

Source code access:

- Users cannot change source code in freeware. If they need to add any new feature in the freeware by themselves they cannot do it. Company has locked the code from viewing to the users.

Cannot redistribute:

- End users cannot redistribute the freeware without author permission. They also cannot own the software and cannot distribute software by their name.

Company policies:

- Freeware Owner Company can make restrictions for the software so that, they can be make some rules for using the software within some organizations or within selected countries.



Shareware
software

- **Shareware** is a software that is available free of cost but only up to a certain time limit. Furthermore, after the time limit, the software becomes an unlicensed copy unless and the user has to pay the money to use the full-featured version of the software. Since, after the time limit, the software deactivates itself.
- It is a commercial software that is initially distributed free of charge but later charge payment to keep the functionality on to continue the access.
- There are many shareware examples, including Skype, Adobe Photoshop, and WinRAR.



ADVANTAGES

- It is initially free for the customers.
- The user can fully understand the capabilities of the software.
- One will not have to pay money for software he doesn't like.
- The main advantage is that users can understand and know about the software before buying it, It allows the people to “try before they buy”.

Dis advantage

- **Security Vulnerabilities:** The shareware is usually more at risk. Since there is no license in the beginning and there are no updates therefore if the software is left unused on the system it may pose risk to the system.
- **Sponsored Software:** Some shareware may download a secondary program which can cause a threat to the system.
- **Data Leaks:** Some software is such which can send the data of the system to the author which can be a great threat.
- **No access after the trial period.**

Types of shareware



Demoware

- It is a trial version of the software that provides a demo or trial of the software. It further divides into two categories. They are as follows:

1- Cripple ware:-

- This software provides only a certain number of features until the user purchase the full version of the software. Furthermore, there is a time limit until which the user can use the software but only with limited features. Besides, it may block certain features like saving or printing the files. Also, it may provide some unwanted features like watermarks on the pictures and videos

2- Trial ware :-

In this software, the user can use all the features of the software within the time limit. Hence, it provides full usage and the right to know the software fully. After the trial period gets over the user can either use only certain features (crippleware) or the whole software deactivates. If the user further wants to use the software he should buy the license to unlock the software.

Donationware

- It is the type of software that provides the full-featured version to the user and requests the user to pay an optional amount. Furthermore, this means that the payment is just optional. Moreover, this payment is usually for a non-profit organization or it can be for the developer to support the future of the software. The amount of payment may be denoted by the developer himself or it can be as per the user's choice.

Nagware

- This software continuously reminds the user to pay for the software. They continuously display alert messages or dialogue boxes either on starting the software or while using the application. Besides some software also applies watermarks on files clearly stating that the files are of an unlicensed copy of the software.
- Moreover, there may be some messages which will disappear only when the user pays the amount. Therefore, these messages continuously annoy users.
- Software developers use nagware as a marketing tactic to remind users to take advantage of special offers and purchase software.

Freemium

- This software provides the full-featured version of the software. But, at the same time, the user has to pay an amount for the premium version. The premium version of the software contains some advanced features of the software. Therefore, all the basic features are free of cost but the special features are provided only after purchasing the license.

HW

Give an example of each one of these types , then write your answers on a paper.

What's the
Difference



Freeware shareware

Cost	Free of cost	Free for specific period of time later on asked the user to purchase.
Fully Functional	Usually	Certain features are provided for trial later on to unlock the rest features, users need to pay.
Features	All features are freely available	Some features are available for free trial or have limited use. To enable the rest features, payment should be made.
Access Duration time	Having no time limit	Program may only work for short duration e.g. 30 days

Proprietary Software

- It is software that is available only after buying the proper license of the software. moreover, only the owner has the right to change or sell the software. The owner can be an individual developer or an organization.
- **Closed Source Software** or **Commercial Software** is its other name. Besides, it has certain restrictions like:
 - The number of people who can use the software is limited.
 - Requires a license.
 - Users cannot distribute the software further
 - The system or type of environment that the software requires.
 - Examples are macOS, Adobe Suite, Microsoft Windows Professional Edition

Thanks for listening