

IS2109 Information Systems Security - IS 2109

Practical 3

Secure Web Browsing

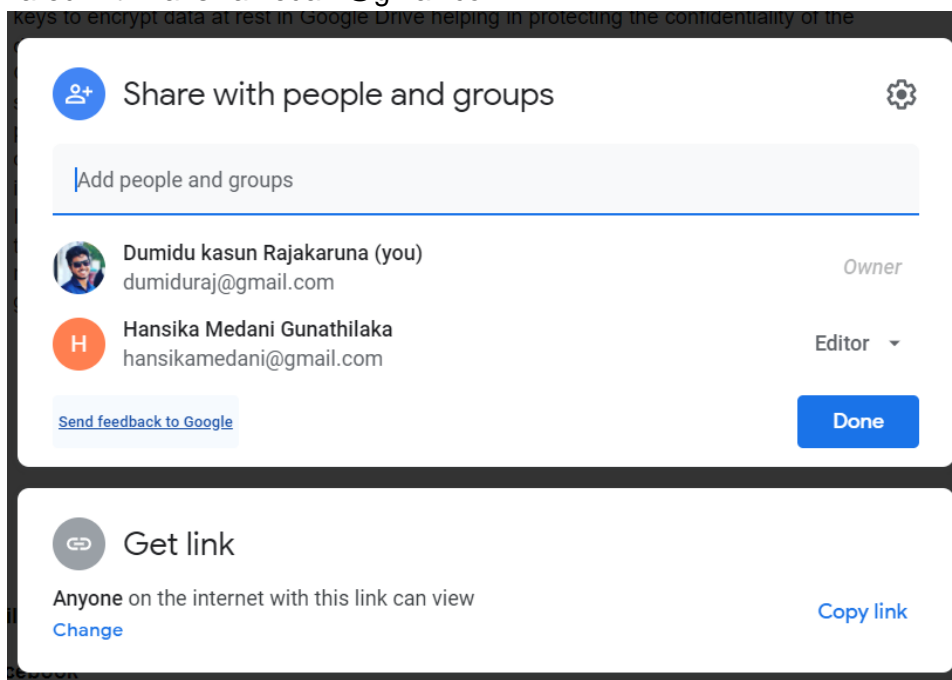
1. Google Docs

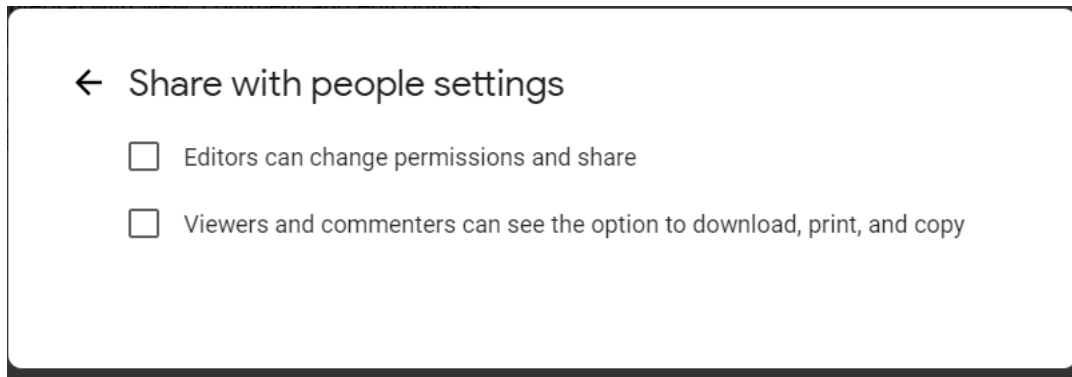
1. Google has the Huge large scale cloud storage which stores every google drive content. Google docs also belong to an element in Google Drive. When you upload files to Google Drive, they are stored in Google's secure data centres. Google Drive encrypts data at rest in the Drive and data in transit to and from the Drive. Google uses 128-bit or 256-bit AES keys to encrypt data at rest in Google Drive helping in protecting the confidentiality of the data stored.

Google docs can be used only by the creator or it can be shared with many people. In sharing also there are many options. The creator can share with only specific peoples or to people with organizational emails (eg- users having emails ending with @ucsc.cmb.ac.lk) or with everyone by sharing a link to access(public). These options also can make more integral with view, comment and edit options.

If the link is public, we can't be sure about the security. If it is only shared with specific people, the security is very high. If link sharing is off, then the security is also very high. If the doc is not shared, its security is so high and no one can access that doc unless logging to the google drive. Every Doc can be made more secure by securing with a password by file -> Protect Document.

2. Shared with hansikamedani@gmail.com





3.

We do not claim ownership in any of your content, including any text, data, information, and files that you upload, share, or store in your Drive account. What our Terms of Service do is enable us to give you the services you want — so if you decide to share a document with someone, or want to open it on a different device, we can provide that functionality.

- You control who can access your files in Drive. We will not share your files and data with others except as described in our [Privacy Policy](#) .
 - We will not change a Private document into a Public one.
 - We will not use a Private document for marketing or promotional campaigns.
 - We will keep your data only as long as you ask us to keep it.
- You can [take your data with you](#) if you choose to stop using Google Drive.

Google mentioned in their Terms and Conditions that they do not claim for the ownership of the docs. The real owner is the creator of the Doc and if the creator shared the document with the public, they cannot assure the security of the content. Text in the doc might get copied by others. So if the doc is public anybody cannot claim for the ownership.

4. Dropbox is mainly for media such as photos and videos. This is a very secure platform and Interface is user friendly. But currently, documents also can be stored in Dropbox but they cannot preview in dropbox.

iCloud is a product of Apple Inc. Which is exclusively developed for Apple users. iCloud is also as powerful as Google Drive but the restriction is there that only can use by apple users. It also can store any type of files in iCloud.

SkyDrive also is known as OneDrive is a product of Microsoft. It is also similar to Google Drive and Microsoft OS have integrated with OneDrive also. Therefore it is more popular within Microsoft product users. They also have unique features such as syncing with Computer making backups of the files in the computer.

But google drive is the best user friendly platform for cloud storage compared to others.

2. Facebook

2. No.If you choose to delete your Facebook profile, the same thing happens plus all your data from facebook servers will be erased permanently, so there's no way you can regain access to your account as well as the data associated with it.

3.

3.1

I advice not to use him/her a facebook account as there are so many illegal,unfairable pages in the facebook.If they use them, they will be victimized into some extend.Not only that they are lot of privacy issues in the facebook that one can be faced.So my view and my advice is not to use facebook without a clear understanding.

3.2

If a child is not a teenager,my advice is not to use facebook whereas he/she might be unable to handle the accounts according to the standard security criterias.

3.3

If a child is a teenager,my advice is to use facebook with the proper knowledge on how he should use a facebook account as a help for studies as well as maintaining relationships with friends.

3.4

What can be reported

Can report inappropriate or abusive things on Facebook such as nudity, hate speech, threats,hacking of accounts,accounts to be deleted etc...

How can be reported

- Go to the profile you want to report.
- Click to the right and select Find Support or Report Profile.
- To give feedback, click the option that best describes how this profile goes against our Community Standards, then click Next.
- Depending on your feedback, you may then be able to submit a report to Facebook.

3.5

To view the child'sFacebook usage, open the mobile app and select the More tab (three-lined icon) > Settings & Privacy > Your Time on Facebook. A chart with daily usage graphs will appear, showing how much time you've spent actively using the Facebook app on that specific device during the past week.

3.6

Aware the child to report the account by following the steps I mentioned above.

3.7

Creating an account with false info is a violation of terms. I will include to prove the age limit by using a proof as well as the parents details will also be collected. If underage child created an account on Facebook, the access to certain parts of the pages might be denied. I will use security measures to report an account belonging to someone under 13, and doing unnecessary activities in the facebook. Note that we'll promptly delete the account of any child under the age of 13 that's reported.

3. Chat Apps

1. Recent studies have shown that the most popular instant messengers are WhatsApp, Viber and Telegram. Facebook acquired WhatsApp due to having huge users. Viber is another messenger with many integrated features that allows the phone calls and sends the text messages for free and there is no subscription like WhatsApp. While Telegram offers the users an open-source platform with no ads, a clean fast interface, asks for no payments whatsoever and the biggest selling point is security. WhatsApp, Viber and Telegram which instant messenger is best? The popularity of Telegram has reached the top of Google play store and become the most downloaded messaging app in the world today. But at the moment WhatsApp is still the winner!
2. Skype is often touted as a private, encrypted method of communication. Via Skype By default, the instant messages you send and receive are saved on your computer and you can view them at any time but someone can't view skype communication in another one's account.
3. With the latest version of Skype for devices, our chat history, along with the message status will be synchronized across all our devices supported by Skype whenever you sign in with the same Skype account.
4. Chat apps allow spying upon its victims. However, it is not simple spyware. Welcome Chat is a functioning chat app that delivers the promised functionality along with its hidden espionage capacity. Following are some threats behind chat app in national security perspective.
 - WhatsApp Web Malware
 - Unencrypted Backups
 - Facebook Data Sharing
 - Hoaxes And Fake News
 - WhatsApp Status

4. E-mail Security

Email tracking is the monitoring opens and clicks of emails to follow up with leads, job applicants, and partners. It also may be referred to as checking the metrics of your email marketing campaigns to improve their quality and efficiency.

Email tracking is useful for when the sender wants to know whether the intended recipient actually received the email or clicked the links.

Email trackers are mostly browser extensions for Chrome, which automatically add a 1x1 pixel image to the body of the email that sends. Once a recipient opens it, their browser requests to get that image from the server where it is hosted. This request will be parsed, indicating that the email has been opened.

This tool can be used for recruitment and link-building to save time and know when to follow-up with more emails in case the recipient opened the email but never answered.

They could have forgotten to reply, or something could have disturbed their attention.

But Email tracking can be inaccurate due to network issues.

Benefits of E-mail marketing

- Getting acknowledgment of successful message delivery can automatically modify approach and enhance understanding as well as market values. Once get to know that the message has been opened by the client, it will be easier to define the next strategy. While staying in market competition it is necessary to focus ahead in a convenient way
- As marketers they can identify the leads of their business and they can refrain from doing the marketings who are not even opening the emails. This will save money as well as time.
- Marketing team can identify the people who are interested in their product/service with email tracking and using these data they can be more productive by filtering the crowd.

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Group 07

<u>Name</u>	<u>Index Number</u>
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