

**МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ  
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ  
КАФЕДРА ІНОЗЕМНИХ МОВ  
ЛІНГВІСТИЧНИЙ НАВЧАЛЬНО-МЕТОДИЧНИЙ ЦЕНТР**

**МАТЕРІАЛИ  
VIII МІЖВУЗІВСЬКОЇ НАУКОВО-ПРАКТИЧНОЇ  
КОНФЕРЕНЦІЇ  
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО ЦЕНТРУ  
КАФЕДРИ ІНОЗЕМНИХ МОВ**

**“TO LIVE IN A SAFER WORLD”**

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## OS FOR DATA PROTECTION IN MODERN TABLET DEVICES

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Nowadays the tablet devices are steadily increasing in popularity with modern users. Because of their portability more and more people become getting used to them. The new possibilities make it easy to create and carry some data. As a consequence it needs some protection to secure our personal information.

Such corporation as Apple uses special functions to make their customers be sure that all information will be in safe. For instance iPad has “Find My iPad” feature, which allows you to locate and remotely wipe your iPad if it’s lost or stolen. All modern iOS devices also come with a second layer of encryption, called Data Protection. While the basic encryption enabled by turning on passcodes ,second layer encrypts your e-mail messages and their attachments; it can’t be broken even if the passcode is stripped by jailbreaking. Data protection is also available for programmers to use in apps, but few take advantage of it.

Another OS for tablet is Android. The last version of OS includes Google Certificate Pinning with which only the hard-coded valid certificate will be accepted, protecting you from a man-in-the-middle attack. System of access control SELinux prevents from executing of an attacks with using exploits, whose task is to obtain root-privileges. In other words Linux kernel isolates user resources from one another. Google has launched new feature such as ‘Verify Apps’ – an application scanning system the main point of which is watching device for any threats from applications, loaded onto the device from outside of the Google Play Store.

In conclusion it should be noted that a lot of new OS come into the global market and each of them has their own privileges, each implementator is trying to improve developments so that every customer must enjoy the product. We are sure that tech advancement will become so fast-paced that we couldn’t even imagine what technology of securing came into.