BREAKING LINUX PASSWORDS

OBJECTIVE

The objective of this report is providing an overview of how to bypass the Linux operating system passwords. In this report, we are going to see how to bypass Linux passwords by offensive hacking methodology.

Linux is an open-source Unix-like operating system-based family on the Linux kernel, and the OS kernel was first published on 17 September 1991 by Linus Torvalds. Typically, Linux is packaged as the Linux distribution, which contains the supporting libraries and system software and kernel, several of which are offered by the GNU Project.

There are in general two ways to bypass an windows password, either by using script kiddie tools such as Kon-Boot, Mimikatz, PCUnlocker, etc. And the other way is by using the offensive hacking methodologies. But we can't bypass a Linux operating system password using script kiddie tools. We will need to use offensive hacking techniques to bypass a Linux password.

TOOLS

Linux operating systems cannot be bypassed by script kiddie methods. We will need to use terminal or the command line tool for bypassing the system's defense functionality.

Command Line or Terminal is a famous Linux tool which is used by users or technical persons for executing their tasks more efficiently and faster than they could do it on a GUI based OS.
The terminal lets an user execute tasks on a larger scale with only one single command.
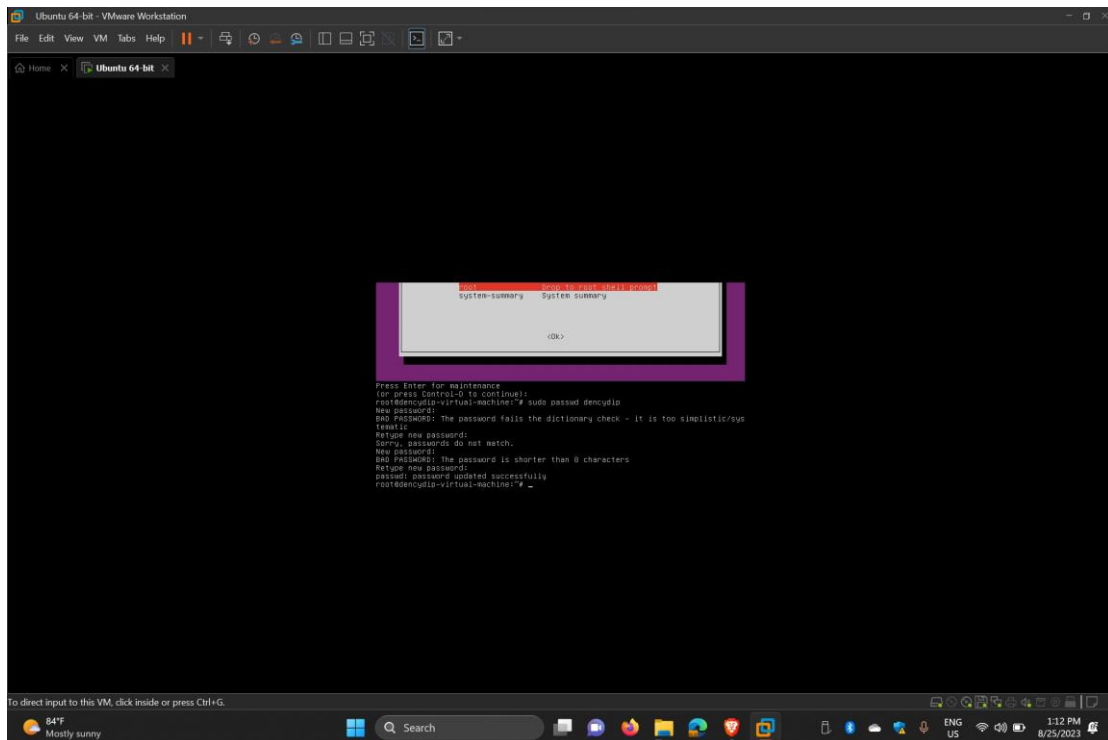
METHODOLOGY

The steps involved in this report are given below:
1.   While starting the OS press "L-shift" button
2.   Enter single user mode
3.   Choose advance option
4.   Then choose recovery mode
5.   Then navigate to root
6.   And finally change the password.

Now, the OS is bypassed.

PROOF OF CONCEPT

CONCLUSION

In conclusion, we can say that anyone can hack a Linux OS if they know the correct steps and procedure. Therefore, we should be wary of all the people around us so as not to be hacked and get our credentials leaked.