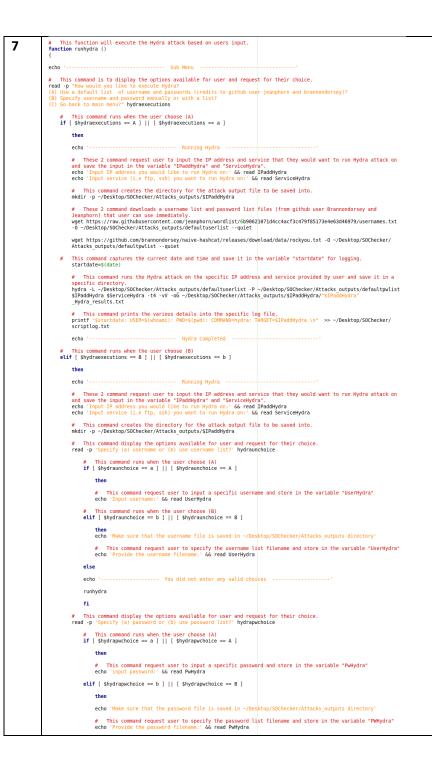


S/N	CODES	FUNCTIONS
2	# This function updates and upgrades the current system to the latest function updateupgrade () echo '	This function is to update and upgrade the user's system to the latest version possible to run the script and its tools.
3	# This function download and installs all the tools required to run the script. function installtools () echo '	This function installs the required tools that is needed for the script.
4	# This function will execute the Nmap scan based on users input. function runnmap () echo ' Running Nmap	 This function runs Nmap after it request the user for the target IP address. The results file is saved in the specific folder with the IP address as its name inside the "Scans_outputs" folder. It also creates a log entry inside the logsfile. After the scan is completed, the sub menu will appear to request for user's choice: a) To see the results of the scan. b) To see the script logfile. c) Run Nmap again d) Exit to main menu

S/N	CODES	FUNCTIONS
5/N 5	# This function is for user to choose what they want to do after the end of each scans or attacks. This function is placed at the end of each scans or attack. Tunction endofaction () { echo ' Sub Menu	PUNCTIONS This function is placed at the end of all attacks and scans function so that user can choose if they want to see the results or the log file.
	# This command will run when user did not specify the available choices. echo 'You did not enter a valid choice' endofaction fi }	

S/N	CODES	FUNCTIONS
6	# This function will execute Masscan based on users input. function runmasscan () { echo '	This function runs Masscan after it request the user for the target IP address and port number.
	echo 'Input IP address you would like to run Masscan on:' && read IPaddMasscan # This command request user to input the port number that they would want to run Masscan on and save the input in the variable 'IPportMasscan' echo 'Input which port you would like to run Masscan on:' && read IPportMasscan # This command creates the directory for the scanned output file to be saved into. mkdir -p -/Desktop/SOChecker/Scans_outputs/SIPaddMasscan	The results file is saved in the specific folder with the IP address as its name inside the "Scans_outputs" folder.
	startdate=\$(date) # This command runs masscan on the specific IP address and port provided by user and save the output in a specific	It also creates a log entry inside the logsfile.
	<pre>directory. sudo -5 masscan "\$IPaddMasscan" -p"\$IPportMasscan" -o6 ~/Desktop/SOChecker/Scans_outputs/\$IPaddMasscan/"\$IPaddMasscan" _mass.scan # This command prints the various details into the specific log file. printf "\$startdate: USER=\$(whoami): PWD=\$(pwd): COMMAND=masscan: TARGET=\$IPaddMasscan \n" >> ~/Desktop/SOChecker/ scriptlog.txt</pre>	 After the scan is completed, the sub menu will appear to request for user's choice: e) To see the results of the scan. f) To see the script logfile. g) Run Nmap again
	echo '	
	# This command saves the masscan function into the variable "runfunction" for retrieval in the function(endofaction). runfunction=runmasscan # This command saves the action into the variable "action" for retrieval in the function(endofaction). action=Masscan	h) Exit to main menu
	# This functions runs the sub menu for user to select what they want to do next after they finish their scans or attacks. endofaction	
	j.	



- This function runs Hydra, but the script first provides a sub menu for user to choose how they would like to run hydra.
 - a) Download a username and password file (from github user jeanphorn and Brannondorsey) and run with it.
 - b) Provide a specific username and password or provide users own list.
 - c) Go back to main menu
- When user chooses (a), the script will prompt user to input the target IP address and also download a password and username list from the github users and store it in the working folder and run it.
- The results file is saved in the specific folder with the IP address as its name inside the "Attacks outputs" folder.
- It also creates a log entry inside the logsfile.

echo '----- You did not enter any valid choices ----runhydra if [\$hydraunchoice == a] || [\$hydraunchoice == A] && [\$hydrapwchoice == a] || [\$hydrapwchoice == A] # This command captures the current date and time and save it in the variable "startdate" for logging. # This command runs hydra on the specific details provided by user and save the output in a specific hydra -l \$UserHydra -p \$PwHydra \$IPaddHydra \$ServiceHydra -t4 -vV -o ~/Desktop/SOChecker/Attacks_outputs/ \$IPaddHydra/"\$IPaddHydra" Hydra results.txt result=sudo cat ~/Desktop/SOChecker/Attacks outputs/\$IPaddHydra/"\$IPaddHydra" Hydra results.txt | grep -i login # This command prints the various details into the specific log file. printf "\$start scriptlog.txt TARGET=\$IPaddHydra \n" >> ~/Desktop/SOChecker/ # This command saves the output file route into the variable "resultfile" for retrieval in the resultfile=~/Desktop/SOChecker/Attacks_outputs/\$IPaddHydra/"\$IPaddHydra"_Hydra_results.txt echo '-----' Hydra Completed # This command saves the hydra function into the variable "runfunction" for retrieval in the # This command saves the action into the variable "action" for retrieval in the function(endofaction). # This functions runs the sub menu for user to select what they want to do next after they finish their This command runs when the user chooses (A) to use a specific username and (B) to use a password list. elif [\$hydraunchoice == a] || [\$hydraunchoice == A] && [\$hydrapwchoice == b] || [\$hydrapwchoice == B] # This command captures the current date and time and save it in the variable "startdate" for startdate=\$(date) # This command runs hydra on the specific details provided by user and save the output in a specific hydra -l \$UserHydra -P ~/Desktop/SOChecker/Attacks_outputs/\$PwHydra \$IPaddHydra \$ServiceHydra -t4 -vV -o ~/ Desktop/SOChecker/Attacks_outputs/\$IPaddHydra/"\$IPaddHydra"_Hydra_results.txt # This command prints the various details into the specific log file.
printf "\$startdate: USER=\$(whoami): PMD=\${pwd}: COMMAND=hydra: TARGET=\$IPaddHydra \n" >> ~/Desktop/50Checker/ scriptlog.txt echo '----- Hydra Completed -----# This command saves the output file route into the variable "resultfile" for retrieval in the resultfile=~/Desktop/SOChecker/Attacks_outputs/\$IPaddHydra/"\$IPaddHydra"_Hydra_results.txt # This command saves the hydra function into the variable "runfunction" for retrieval in the runfunction=runhydra # This command saves the action into the variable "action" for retrieval in the function(endofaction). # This functions runs the sub menu for user to select what they want to do next after they finish their endofaction # This command runs when the user chooses (B) to use a username list and (A) to use a specific password.

elif [shydrapuchoice == b] || [shydrapuchoice == B] && [shydrapuchoice == a] || [shydrapuchoice == A] # This command captures the current date and time and save it in the variable "startdate" for # This command runs hydra on the specific details provided by user and save the output in a specific hydra -L ~/Desktop/SOChecker/Attacks outputs/\$UserHydra -p \$PwHydra \$IPaddHydra \$ServiceHydra -t4 -vV -o ~/ Desktop/SOChecker/Attacks_outputs/\$IPaddHydra/"\$IPaddHydra"_Hydra_results.txt # This command prints the various details into the specific log file. artdate: USER=\$(whoami): PWD=\$(pwd): COMMAND=hydra: TARGET=\$IPaddHydra \n" >> ~/Desktop/SOChecker/ ; scriptlog.txt echo '----- Hydra Completed ----# This command saves the output file route into the variable "resultfile" for retrieval in the resultfile=-/Desktop/SOChecker/Attacks outputs/\$IPaddHvdra/"\$IPaddHvdra Hvdra results.txt # This command saves the hydra function into the variable "runfunction" for retrieval in the runfunction=runhydra # This command saves the action into the variable "action" for retrieval in the function(endofaction). # This functions runs the sub menu for user to select what they want to do next after they finish their

- When user choose (b), the script will prompt user to input the target IP address, the port and how they want to input the username and password.
- The script allows the flexibility for user to either input a specific password and username or to use a list. (Just make sure that the username and password list is at the stated directory for the script to retrieve.)
- The results file is saved in the specific folder with the IP address as its name inside the "Attacks outputs" folder.
- It also creates a log entry inside the logsfile.

S/N	CODES	FUNCTIONS
	# This command runs when the user chooses (B) to use a username list and (B) to use a password list. elif [\$hydraunchoice == b] [\$hydraunchoice == B] && [\$hydrapwchoice == b] [\$hydrapwchoice == B]	
	then	
	# This command captures the current date and time and save logging. startdate=\$(date)	
	# This command runs hydra on the specific details provided by user and save the output in a specific directory. hydra-L-/Desktop/SOChecker/Attacks_outputs/\$UserHydra-P-/Desktop/SOChecker/Attacks_outputs/\$PwHydra \$IPaddHydra SServiceHydra-'t4-'VV-o-/Desktop/SOChecker/Attacks_outputs/\$IPaddHydra/*\$IPaddHydra' Hydra_results.txt	
	<pre># This command prints the various details into the specific log file. printf "\$startdate: USER=\$(whoami): PWD=\$(pwd): COMMAND=hydra: TARGET=\$IPaddHydra \n" >> ~/Desktop/SOChecker/ scriptlog.txt</pre>	
	echo '' Hydra Completed'	
	<pre># This command saves the output file route into the variable "resultfile" for retrieval in the function(endofaction). resultfile=/Desktop/SOChecker/Attacks_outputs/\$IPaddHydra/" \$IPaddHydra"_Hydra_results.txt</pre>	
	# This command saves the hydra function into the variable 'runfunction' for retrieval in the function endofaction . runfunction=runhydra	
	# This command saves the action into the variable "action" for retrieval in the function(endofaction). action=Hydra	
	# This functions runs the sub menu for user to select what they want to do next after they finish their scans or attacks. endofaction fi	
	<pre>else # This command will run when user did not specify the available choices. echo 'You did not enter a valid choice'</pre>	
	runhydra	
	fi	
	}	

S/N	CODES	FUNCTIONS
8	# This function will execute msfconsole: SMB Login check based on users input. function runnsfconsole () { # This command request the IP address that users want to target and save it in the variable "IPaddmsf" echo 'Input IP address you would like to run SMB login check on:' 66 read IPaddmsf # These command request for the username and password list filename and save it in the variable "usermsf" and "passmsf" echo 'Make sure that the username and password file is saved in ~/Desktop/SOChecker/Attacks_outputs directory' echo 'Input username list filename:' 66 read usermsf echo 'Input password list filename:' 66 read passmsf # These command place all the required information into SMB login.rc and will be used for the attack. echo 'use auxiliary/scanner/smb/smb login' > ~/Desktop/SOChecker/Attacks outputs/SMB login.rc	This function runs msfconsole (SMB login) module. It first request user to input the target IP address and followed by the username and password list to be used for the attack. The results file is saved in the specific
	echo "use auxiliary/scanner/smb/smb login" > ~/Desktop/SOChecker/Attacks outputs/SMB login.rc echo "set whost spraddmsf" > ~/Desktop/SOChecker/Attacks outputs/SMB login.rc echo "set wer file ~/Desktop/SOChecker/Attacks outputs/SMS login.rc echo "set pass file ~/Desktop/SOChecker/Attacks outputs/SMS login.rc echo "run" > ~/Desktop/SOChecker/Attacks outputs/SMB login.rc echo 'run" = ~/Desktop/SOChecker/Attacks outputs/SMB login.rc e	 The results file is saved in the specific folder with the IP address as its name inside the "Attacks_outputs" folder. It also creates a log entry inside the logsfile.