

S/N	CODES	FUNCTIONS
2	# This function updates and upgrades the current system to the latest version. function updateupgrade () echo '	This function is used to update and upgraded 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. Installation of geany function is for user to amend the script if required for their own needs. Installation of sshpass is done as that is the main method used to access the remote server for this script.
4	# This function install Nipe services onto the system. function installnipe () { # This command is to navigate to the users Desktop everytime it needs to install Nipe services. cd ~/Desktop echo '	 This function installs the nipe services onto the user's system that is used to mask their external IP address. Any user who runs this function will have the nipe directories placed at the Desktop.

CODES FUNCTIONS This function runs and make # This function checkes the Nipe services and make sure the connection of the user is masked. function checkconn () sure that the network connection is masked. # This command is to navigate into the Nipe directory before executing the next command. cd ~/Desktop/nipe The function will first store the echo '-----' Checking Nipe Connection ------' original External IP address so # This command is to stop the Nipe services (if it is already started). sudo perl nipe.pl stop that it can be used as a # This command stores the original external IP address into the variable "myip" (for reference. It also prints out to reference) show the user. myip=\$(curl -s ifconfig.io/ip) # This command displays the user's original external IP address. echo "The original External IP is : \$mvip The function then starts the # This command starts the Nipe services on the system. nipe services and do a check to sudo perl nipe.pl start ensure that the services is # This command checks the Nipe services status and prints out result. activated and the new External sudo perl nipe.pl status IP address is not the same as # This command stores the result of the Nipe services status (to look specifically for the word "activated.") into the variable "nipestatus". the original External IP address. nipestatus=\$(sudo perl nipe.pl status |grep activated. |awk -F: '{print \$2}') # This command stores the current External IP (after starting Nipe services) into the • Sometimes the nipe services variable "newip" newip=\$(curl -s ifconfig.io/ip) takes awhile to establish a connection and it prints out an This if command checks if the Nipe services status has been activated. error message to users. The if [\$nipestatus == activated.] function will continue to restart This command executes when the first 'if' condition is met. and try to see if it can # This if command checks if the current External IP (stored in "newip")is NOT the same as the original External IP (stored in "myip"). eventually establish а if [\$newip != \$myip] connection. #This command executes when the second 'if' conditions is met. # This command will check to see what is the country code for the current connection Once a network, and save it under the variable "CC". CC=\$(curl -s ifconfig.io/country_code) confirmed, the function then # This command displays the newly masked external IP address of the user. prints out the new External IP echo "The current Masked IP is : \$newip" address and country code just # This command displays the newly masked country code of the user. for user's knowledge and echo "The current country code of network is : \$CC informs that the connection is echo '----- Connection is secured secure. # This command executes when the first 'if' condition is met but the second 'if' condition is not met. el se echo '----- Connection is not secured # This command will restart and run the whole function again from the start. fi # This command executes when the first 'if' condition is not met. else echo '----- Connection is not secured # This command will restart and run the whole function again from the start. checkconn fi

