

Command Prompt

Objectives:

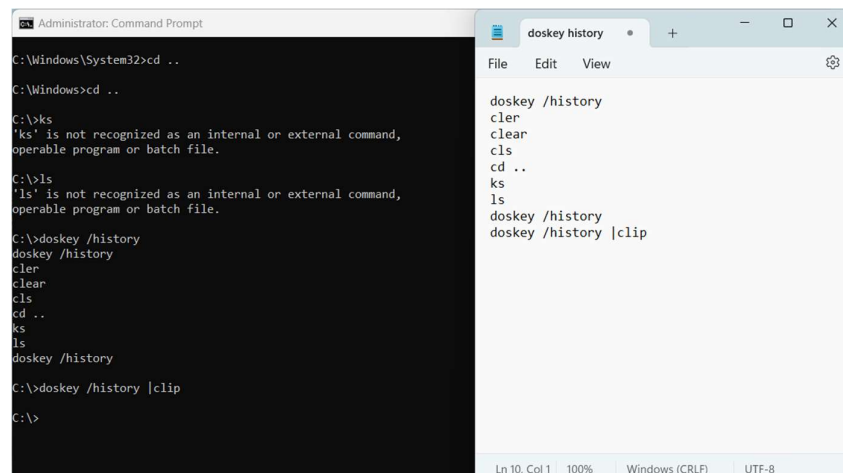
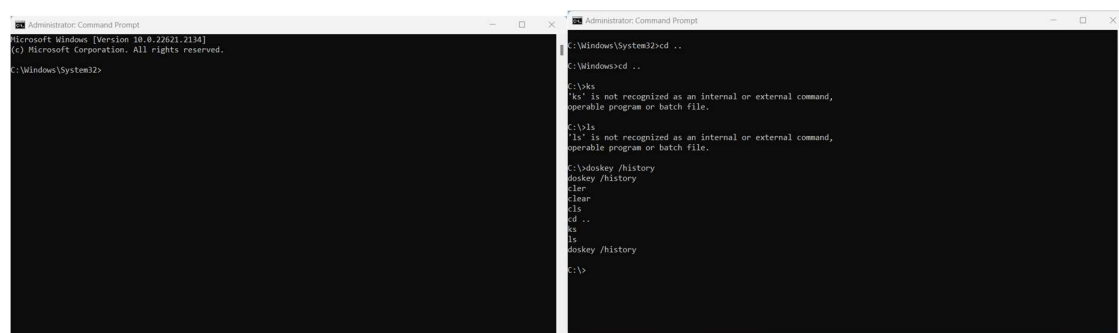
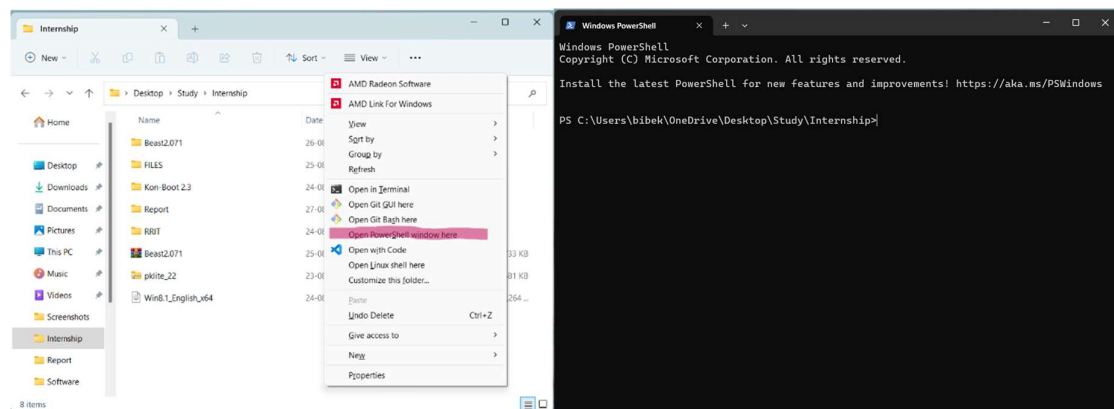
Executes the entered commands. Most of those commands automate tasks via scripts and batch files, perform advanced administrative functions, and troubleshoot or solve certain kinds of windows issues.

Command line Tips and Tricks:

1. To open power shell window from the current path-
 - Press *Shift and Right* click on any folder to open a powershell window there.
2. Run command prompt as admin –
 - Many commands require you to open the Command window as in admin, instead of right clicking on the program and choosing the as administrator" we could simply press *Ctrl+Shift+Enter* to open it with admin privileges.
3. See command History-
 - We could use the command *doskey /history* to list all the commands in the command prompt itself.
4. Copy the command output to clipboard -
 - We could easily copy any commands output to the clipboard by using the */clip* at the end of the command.
5. Run multiple commands-
 - We could also run multiple commands at a single time using the '&&' operator.
6. Get help for any command-
 - Whenever you don't know or remember any commands particular syntax, just suffix it with the */?* to view its usage.
7. View wifi passwords of all connected networks -
 - Use the command *"netsh wlan show profile"* to see all the connected networks from the device.
 - Use *"netsh wlan show profile <wifi-name> key=clear"* to view the password in the KEY CONTENT.
8. View the ip address of a network-
 - Use the command *"pconfig"* to see IPv4, IPv6 address.

9. Find the list of servers of a websites and the packet movement from the pc to the server -
 - Use the command is “tracert site-name”
10. Find the list of TCP connection connected to the system-
 - Use the command “netstat” to see list of TCP connection connected to the system.

Proof of concept (POC):




```
Command Prompt
C:\Users\bibek>tracert google.com

Tracing route to google.com [2404:6800:4007:820::200e]
over a maximum of 30 hops:

  1  2 ms  2 ms  1 ms  2405:201:d030:5066:b6a7:c6ff:fe50:f5ac
  2  *      *      *      Request timed out.
  3  5 ms  6 ms  6 ms  2405:203:400:100:172:31:1:38
  4  74 ms 51 ms 69 ms 2001:4860:1:1::136
  5  45 ms 25 ms 36 ms 2404:6800:80ec::1
  6  15 ms 19 ms 19 ms 2001:4860:0:1::47dc
  7  10 ms 9 ms 16 ms 2001:4860:0:1340::a
  8  13 ms 19 ms 19 ms 2001:4860:1c:4001:1d54
  9  10 ms 10 ms 11 ms 2001:4860:0:1::5653
 10 54 ms 56 ms 54 ms maa05s25-in-x0e.1e100.net [2404:6800:4007:820::200e]

Trace complete.
C:\Users\bibek>
```

```
Command Prompt
C:\Users\bibek>netstat

Active Connections

Proto Local Address          Foreign Address         State
TCP   127.0.0.1:1042          avsek:46508             ESTABLISHED
TCP   127.0.0.1:1042          avsek:46512             ESTABLISHED
TCP   127.0.0.1:9012          avsek:46541             ESTABLISHED
TCP   127.0.0.1:13030         avsek:49671             ESTABLISHED
TCP   127.0.0.1:17532         avsek:46514             ESTABLISHED
TCP   127.0.0.1:46508         avsek:1042              ESTABLISHED
TCP   127.0.0.1:46512         avsek:1042              ESTABLISHED
TCP   127.0.0.1:46514         avsek:17532             ESTABLISHED
TCP   127.0.0.1:46541         avsek:9012              ESTABLISHED
TCP   127.0.0.1:46867         avsek:46868             ESTABLISHED
TCP   127.0.0.1:46868         avsek:46867             ESTABLISHED
TCP   127.0.0.1:49671         avsek:13030             ESTABLISHED
TCP   192.168.29.87:47343     relay-5166bfb0:https    ESTABLISHED
TCP   192.168.29.87:47348     20.198.119.143:https    ESTABLISHED
TCP   [2405:201:d030:5066:d86b:4e30:b02d:fb67]:47913 [2603:1026:c0b:1d::2]:https ESTABLISHED
TCP   [2405:201:d030:5066:d86b:4e30:b02d:fb67]:47929 [2603:1046:c09:19a6::2]:https ESTABLISHED
TCP   [2405:201:d030:5066:d86b:4e30:b02d:fb67]:47941 [2405:200:1608:1731::312c:7181]:https CLOSE_WAIT
TCP   [2405:201:d030:5066:d86b:4e30:b02d:fb67]:47945 [2405:200:1608:1731::312c:71a8]:https CLOSE_WAIT

C:\Users\bibek>
```

Conclusion:

If you are logging command line execution you will have visibility into executed processes. Once you have this visibility it opens a lot of doors for investigating alerts.