

## EXPERIMENT-08

### Aim :

How to Collect Email Evidence in Victim PC

### Procedure :

- To collect email evidence from Victim PC the first step is to capture the victim's RAM. This can be possible using **dumpit** tool.
- This utility is used to generate a physical memory dump of Windows machines.
- It works with both x86 (32-bits) and x64 (64-bits) machines. The raw memory dump is generated in the current directory, only a confirmation question is prompted before starting.
- Perfect to deploy the executable on USB keys, for quick incident responses needs.
- Run Dumpit.exe file the raw memory dump will be generated and save to the same directory

Name	Date modified	Type	Size
Output	2/17/2020 3:38 PM	File folder	
ASEEM-PC-20200217-091824.raw	2/17/2020 2:49 PM	RAW File	6,037,504 KB
bulk_extractor64.exe	2/17/2020 3:02 PM	Application	41,323 KB
DumpIt.exe	5/3/2011 11:11 AM	Application	203 KB
README.txt	7/18/2011 4:59 PM	Text Document	1 KB

```
C:\Users\OSOU-18\Downloads\DumpIt\DumpIt.exe
DumpIt - v1.3.2.20110401 - One click memory dumper
Copyright (c) 2007 - 2011, Matthieu Suiche <http://www.msuiche.net>
Copyright (c) 2010 - 2011, MoonSols <http://www.moonsols.com>

Address space size:      6182404096 bytes (    5896 Mb)
Free space size:         59016699904 bytes (    56282 Mb)

* Destination = \??\C:\Users\OSOU-18\Downloads\DumpIt\ASEEM-PC-20200217-105827.raw
--> Are you sure you want to continue? [y/n]
```

Write 'Y' for processing

```
C:\Users\OSOU-18\Downloads\DumpIt\DumpIt.exe
DumpIt - v1.3.2.20110401 - One click memory memory dumper
Copyright (c) 2007 - 2011, Matthieu Suiche <http://www.msuiche.net>
Copyright (c) 2010 - 2011, MoonSols <http://www.moonsols.com>

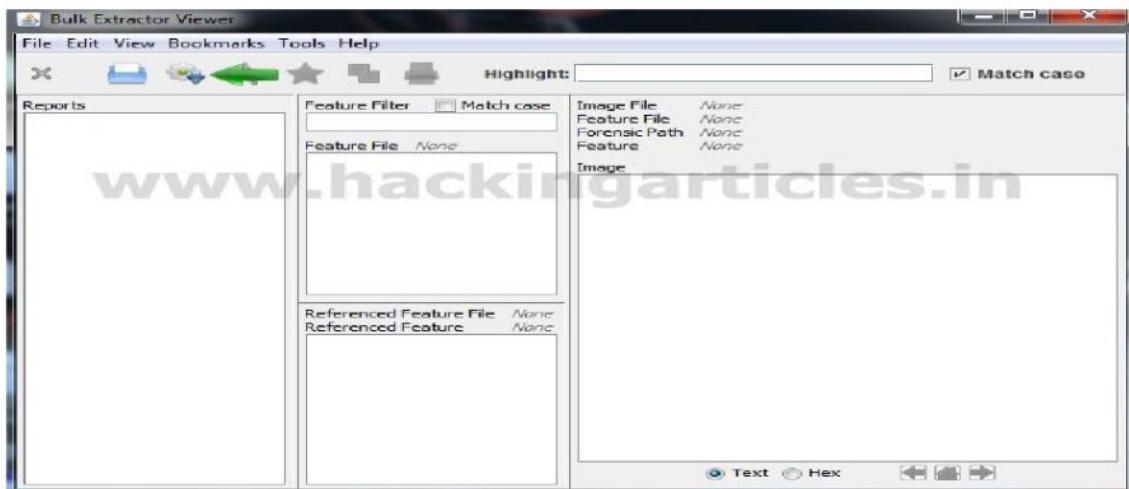
Address space size:      6182404096 bytes ( 5896 Mb)
Free space size:         59016699904 bytes ( 56282 Mb)

* Destination = \?\?\C:\Users\OSOU-18\Downloads\DumpIt\ASEEM-PC-20200217-105827.raw
--> Are you sure you want to continue? [y/n] y
+ Processing...
```

The output .RAW file will be as follows

Name	Date modified	Type	Size
Output	2/17/2020 3:38 PM	File folder	
ASEEM-PC-20200217-105827.raw	2/17/2020 4:29 PM	RAW File	6,037,504 KB
bulk_extractor64.exe	2/17/2020 3:02 PM	Application	41,323 KB
DumpIt.exe	5/3/2011 11:11 AM	Application	203 KB
README.txt	7/18/2011 4:59 PM	Text Document	1 KB

Then Download bulk extractor viewer from GitHub and install it in your PC. Now open bulk extractor viewer and click on to generate report.

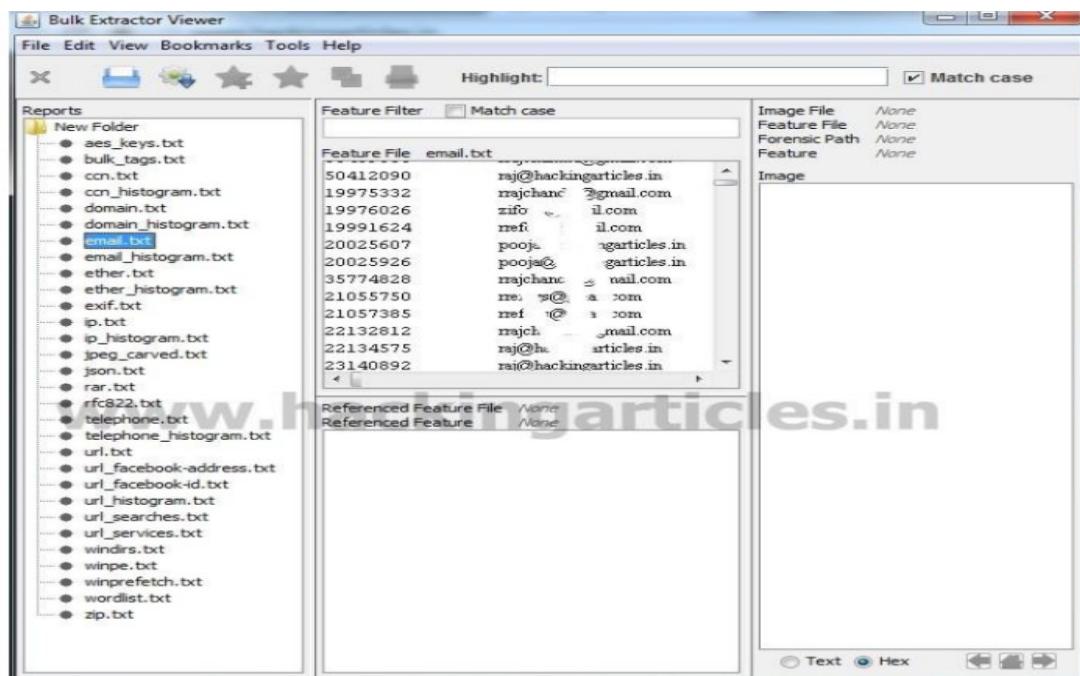


Now select the dump it image file and select an output folder for the report and click on start

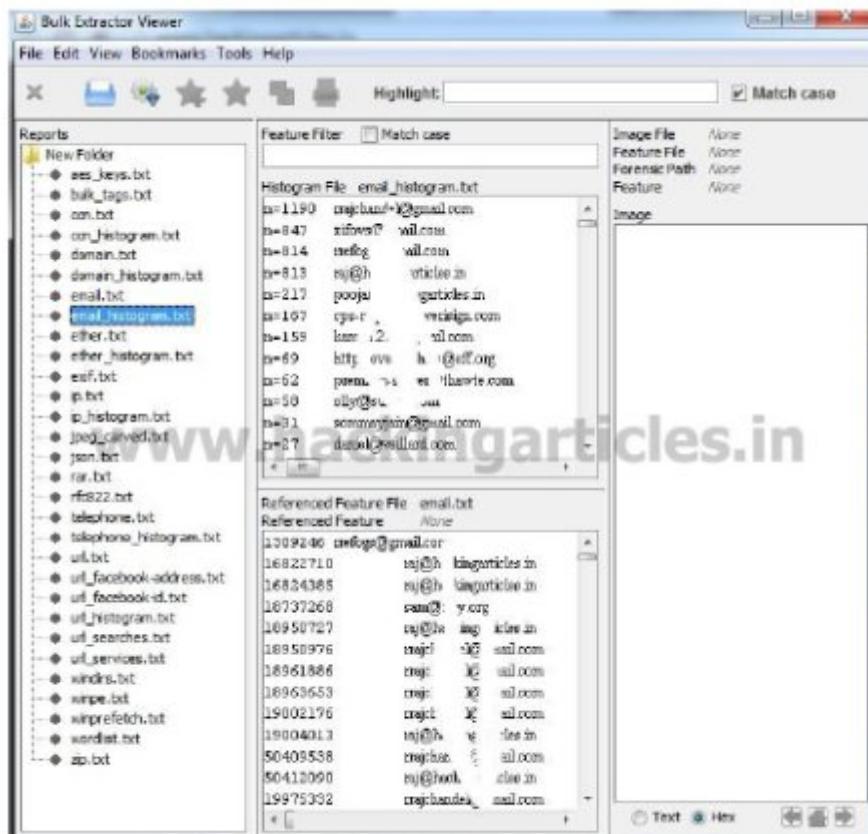
bulk extractor as seen below



Now in order to investigate the victim saved information of Email ID Click on email.txt as seen Below.



And also click on email\_histogram.txt



**Result:**

Thus, the forensic tools executed successfully, and the evidence was captured and analyzed accurately.