

### Experiment No.: 13

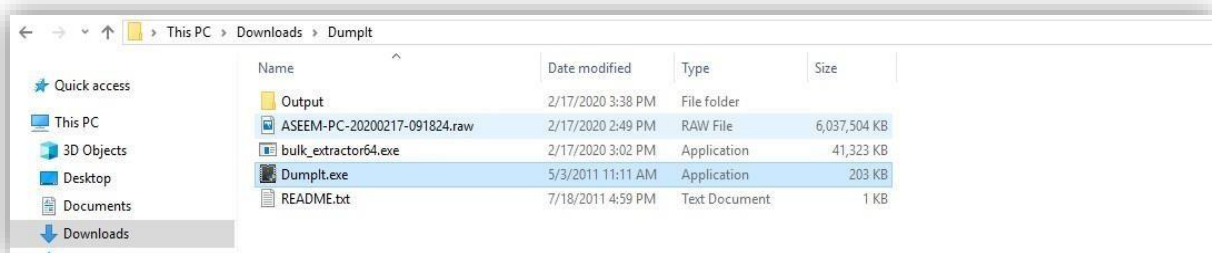
#### EMAIL FORENSICS

**Aim of the Experiment:** How to Collect Email Evidence in Victim PC

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 **Dumplt.exe** file the raw memory dump will be generated and save to the same directory



C:\Users\OSOU-18\Downloads\Dumplt\Dumplt.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\Dumplt\ASEEM-PC-20200217-105827.raw

--> Are you sure you want to continue? [y/n]
```

Write 'Y' for processing

C:\Users\OSOU-18\Downloads\Dumplt\Dumplt.exe

```
DumpIt - v1.3.2.20110401 - One click memory memory dumper
Copyright (c) 2007 - 2011, Matthieu Suiche <http://www.msuiche.net>
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* Destination = \\?\C:\Users\OSOU-18\Downloads\Dumplt\ASEEM-PC-20200217-105827.raw

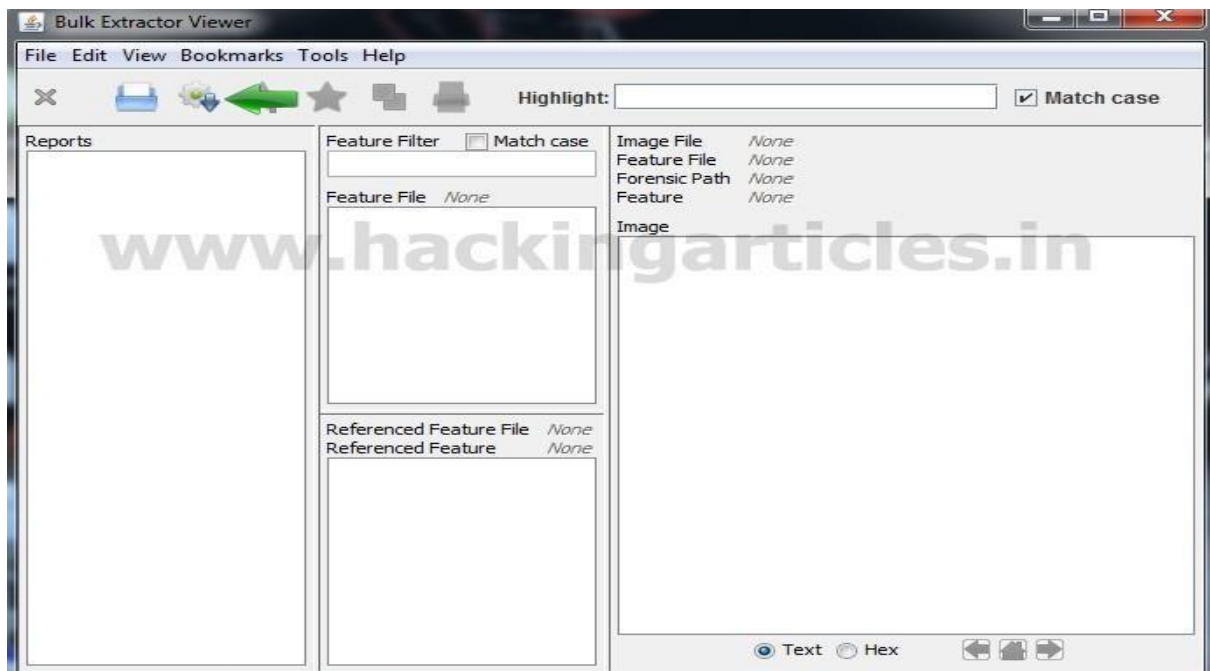
--> Are you sure you want to continue? [y/n] y
+ Processing...
```

The output .RAW file will be as follows

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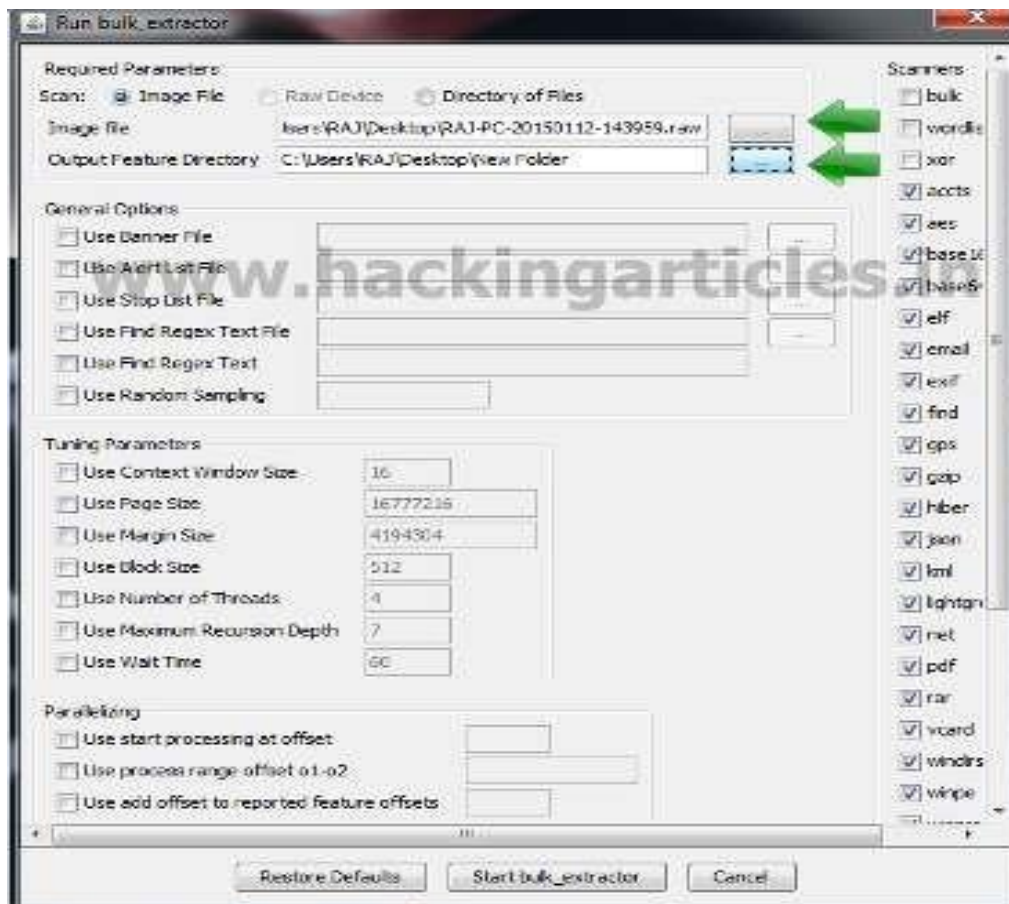
Then Download **bulk extractor viewer** from GitHub and install it in your PC. Now open bulkextractor viewer and click on to **generate report**.

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
Dumplt.exe	5/3/2011 11:11 AM	Application	203 KB
README.txt	7/18/2011 4:59 PM	Text Document	1 KB

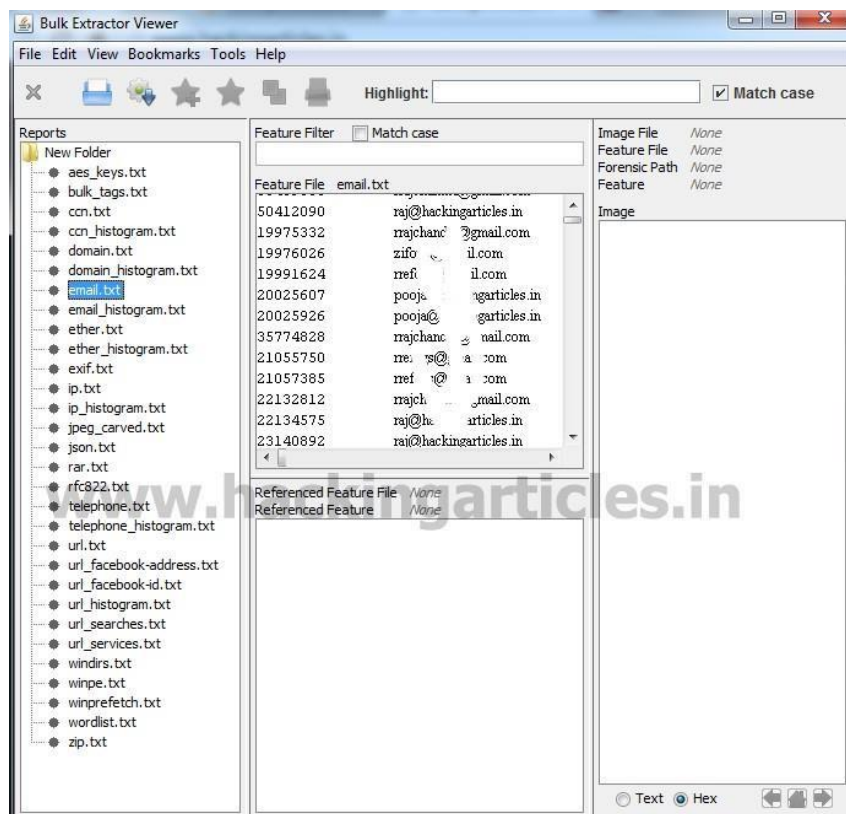


Now select the dump it image file and select an output folder for the report and click on startbulk extractor as seen below

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



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And also click on email\_histogram.txt

