

MSC COMPUTER SCIENCE SEM-III ELECTIVE-I: CYBER AND INFORMATION SECURITY-II

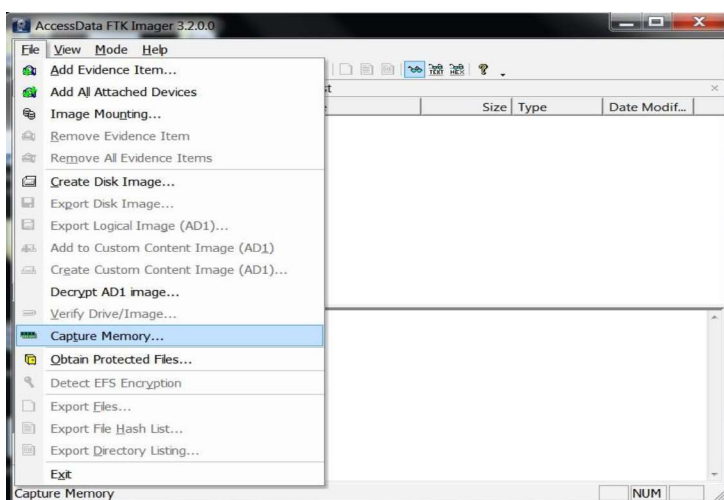
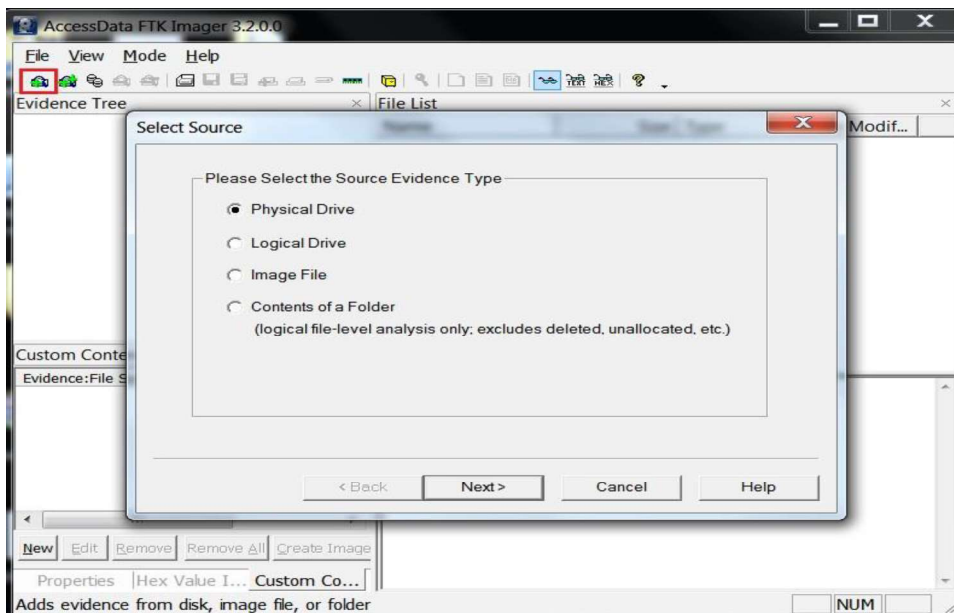
Practical No: - 07

AIM: Create forensic images of digital devices from volatile data such as memory using Imager for:

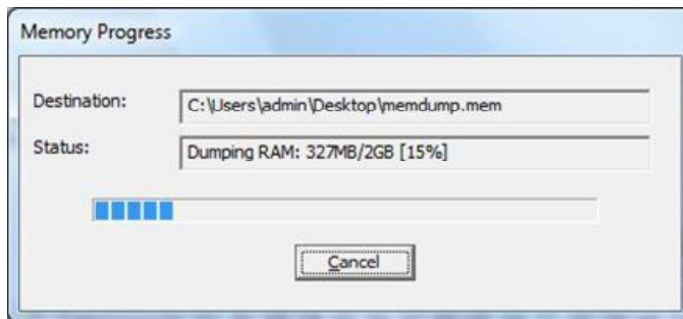
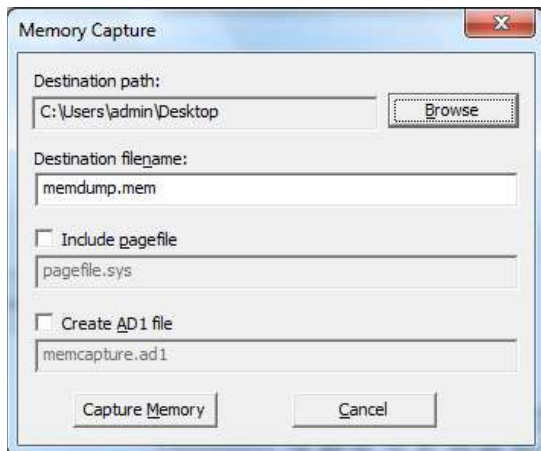
1. Computer System
2. Server

1. Computer System:

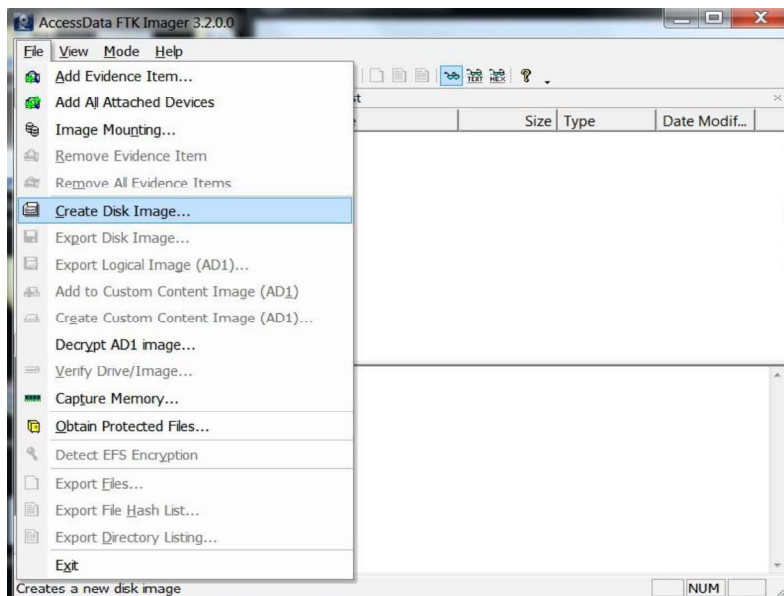
1. Click on the **Add Evidence Item** button on the toolbar.
2. Select the source type you want to preview and then click on **Next**.



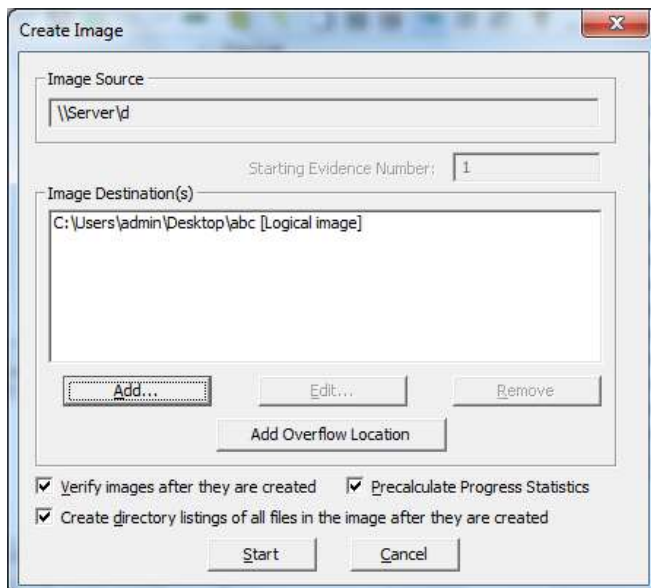
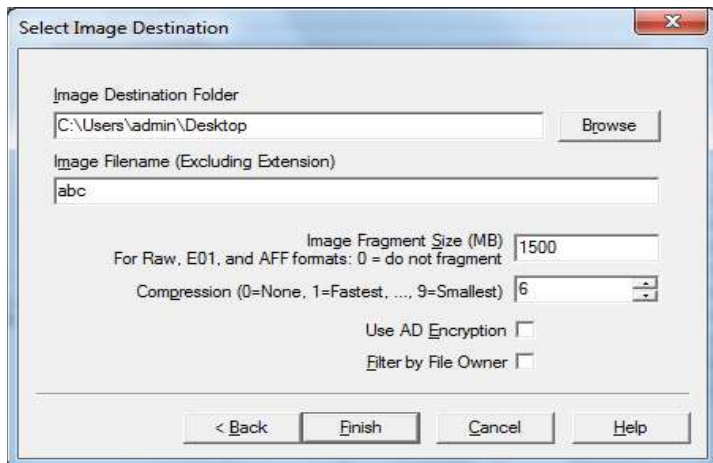
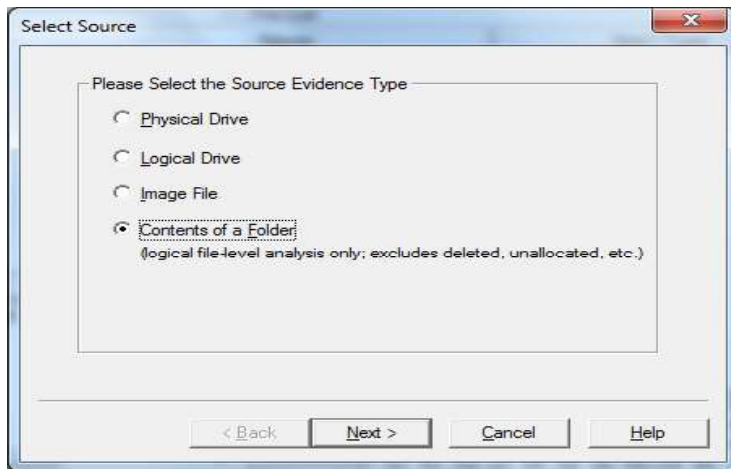
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2. Server:

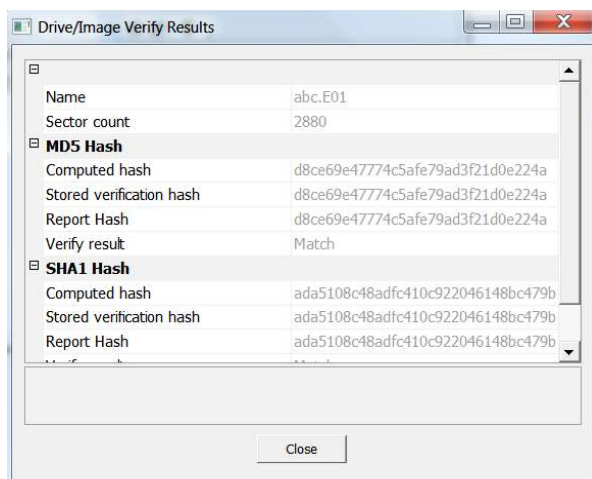
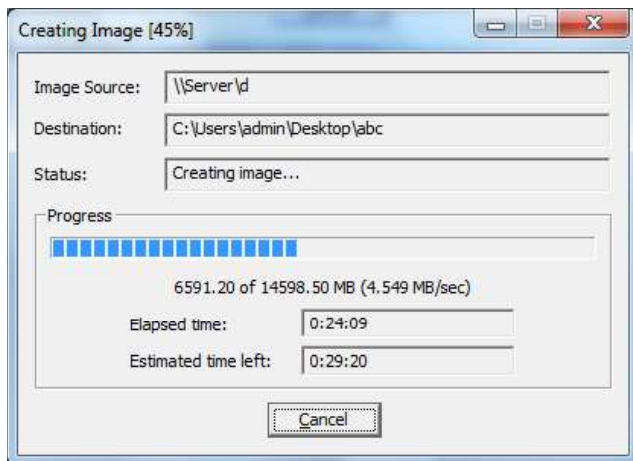
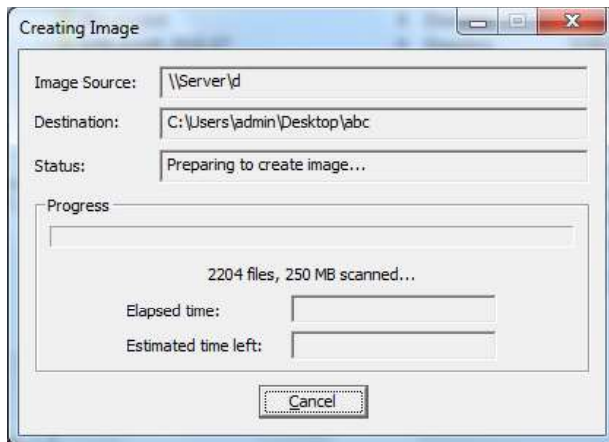


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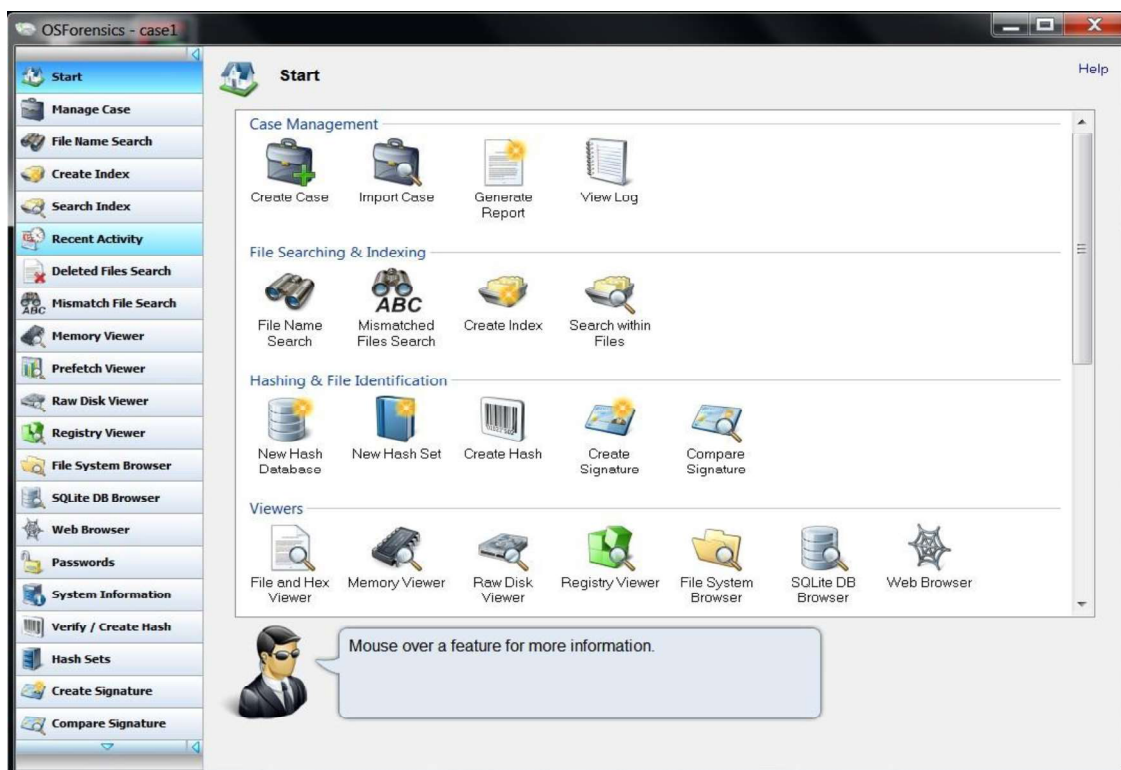
Practical No: - 08

AIM: Access and extract relevant information from Windows Registry for investigation process using Registry View, perform data analysis and bookmark the findings with respect to:

1. Computer System
2. Computer Network

1. COMPUTER SYSTEM

Step 1: Start OSForensics as Start->All Programs -> OSForensics->OSForensics



Step 2: Create a new Case by selecting Create Case. The following window will be popped:

Enter Appropriate Details and Select OK

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New Case

Case Name: test case 1

Investigator: admin

Organization:

Contact Details:

Timezone: Local (GMT +5:30)

Default Drive: C:\ [Local]

Acquisition Type: ☒ Live Acquisition of Current Machine ☐ Investigate Disk(s) from Another Machine

Case Folder: ☒ Default Location ☐ Custom Location

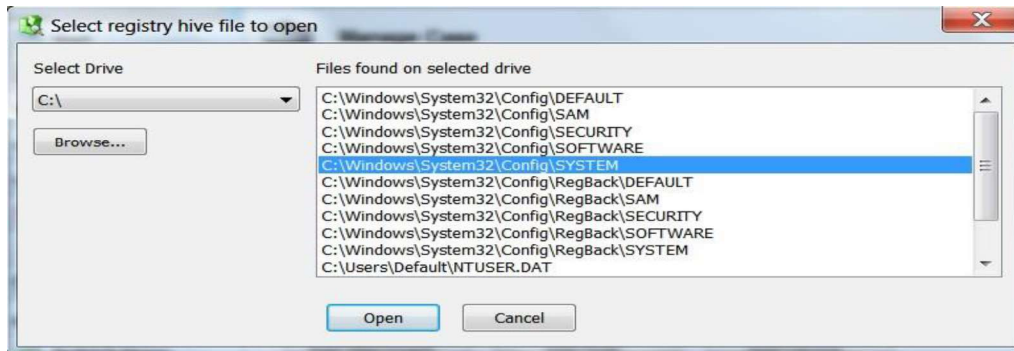
C:\Users\windows 7\Documents\PassMark\OSForensics\Cases\test case 1\

☐ Log case activity

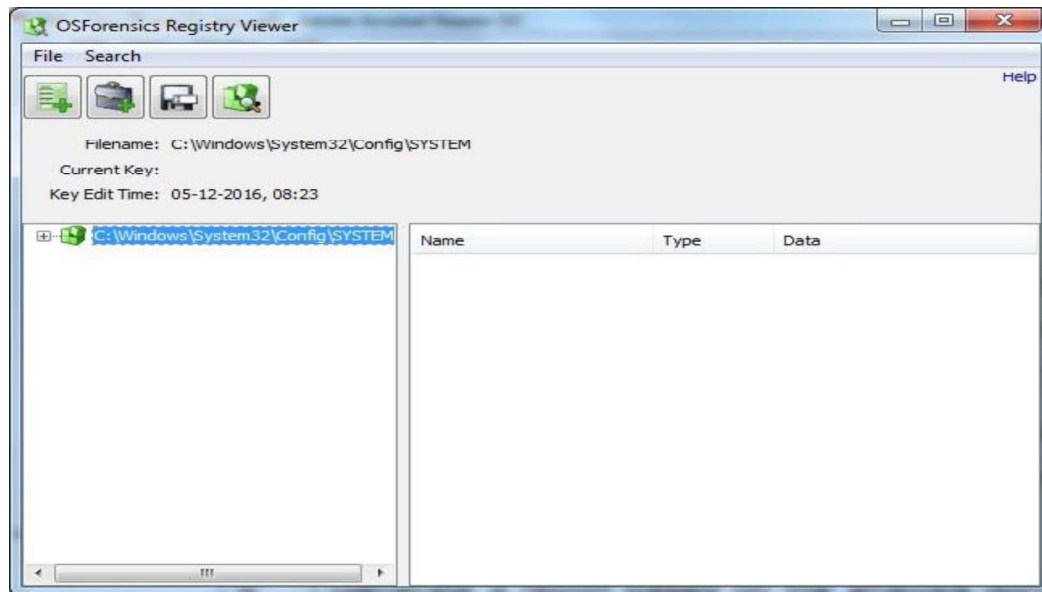
OK Cancel

Step 3: Select Registry Viewer and select registry hive file to open for computer system

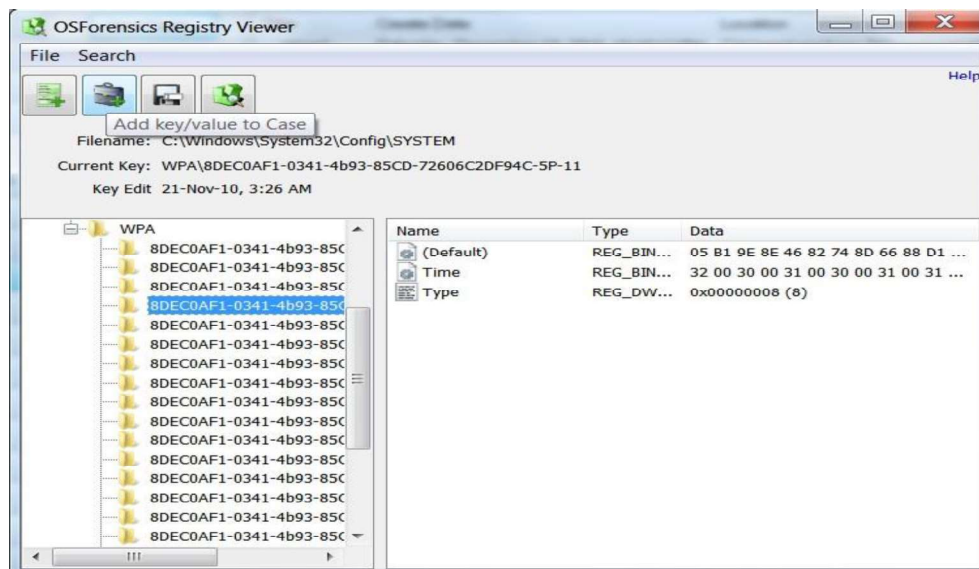
Select open



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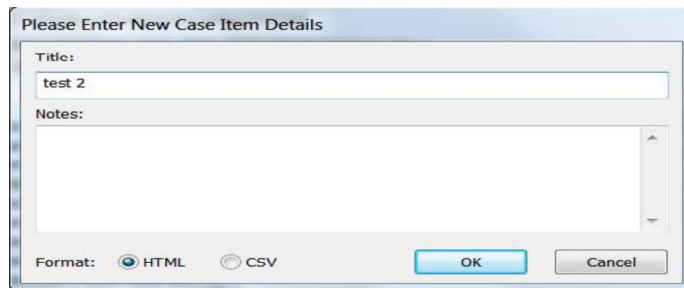


Step 4:
Select system file to add a key/value



Enter Appropriate Details and Select OK

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Please Enter New Case Item Details

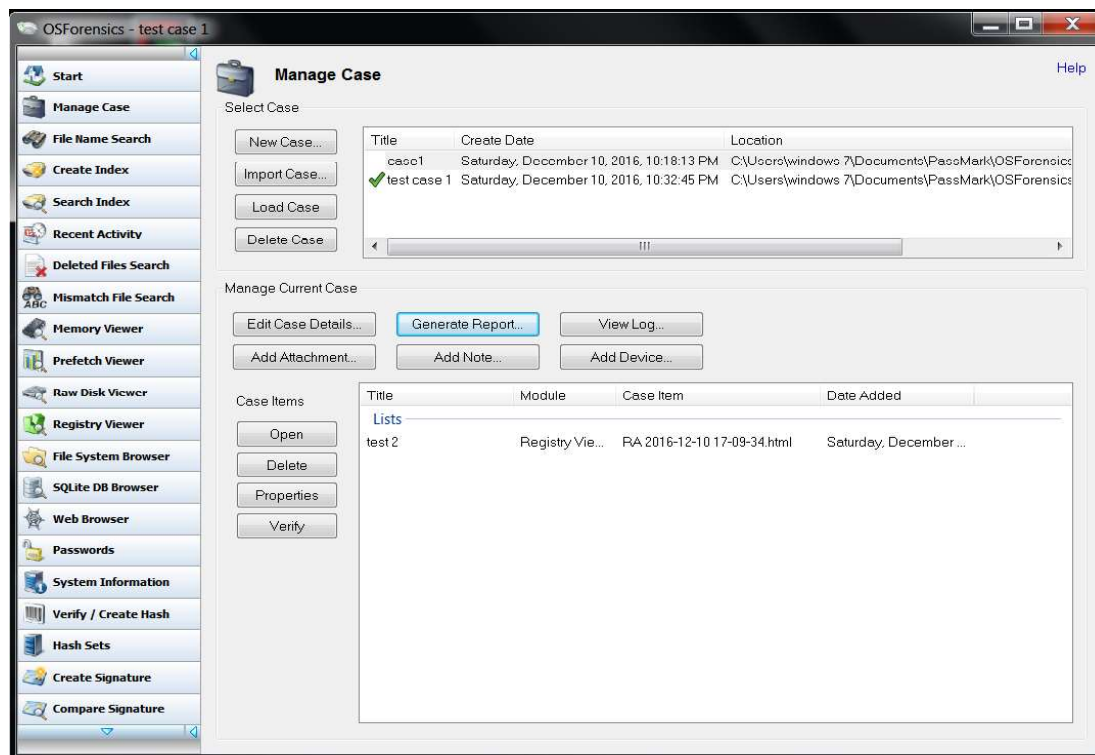
Title: test 2

Notes:

Format: ☒ HTML ☐ CSV

OK Cancel

Step 5: Select Manage Case



OSForensics - test case 1

Manage Case

Select Case

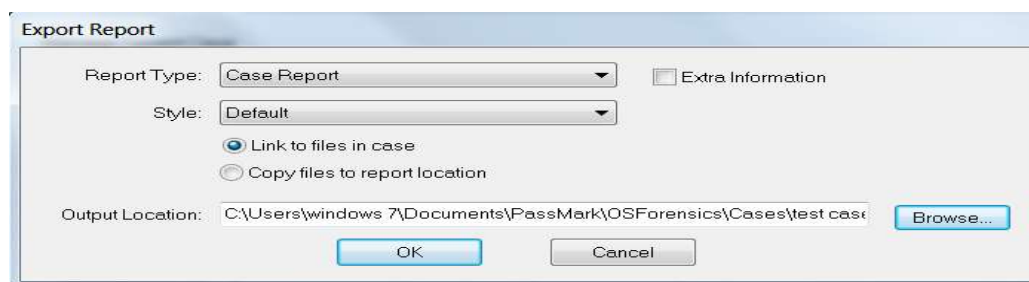
Title	Create Date	Location
case01	Saturday, December 10, 2016, 10:18:13 PM	C:\Users\windows 7\Documents\PassMark\OSForensics
test case 1	Saturday, December 10, 2016, 10:32:45 PM	C:\Users\windows 7\Documents\PassMark\OSForensics

Manage Current Case

Edit Case Details... Generate Report... View Log...
Add Attachment... Add Note... Add Device...

Case Items	Title	Module	Case Item	Date Added
Open	Lists			
Delete	test 2	Registry Vie...	RA 2016-12-10 17-09-34.html	Saturday, December ...
Properties				
Verify				

Select registry viewer file and click on Generate Report



Export Report

Report Type: Case Report ☐ Extra Information

Style: Default

☒ Link to files in case
☐ Copy files to report location

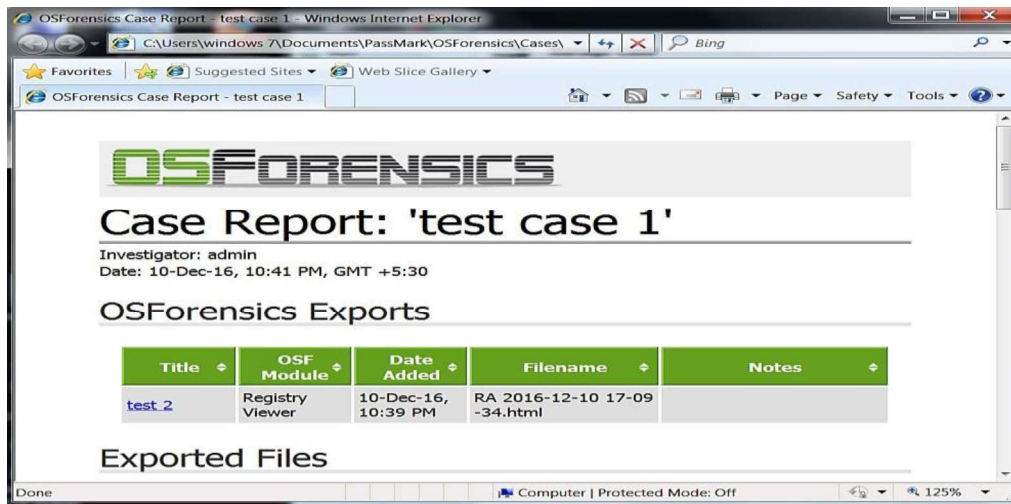
Output Location: C:\Users\windows 7\Documents\PassMark\OSForensics\Cases\test case

OK Cancel Browse...

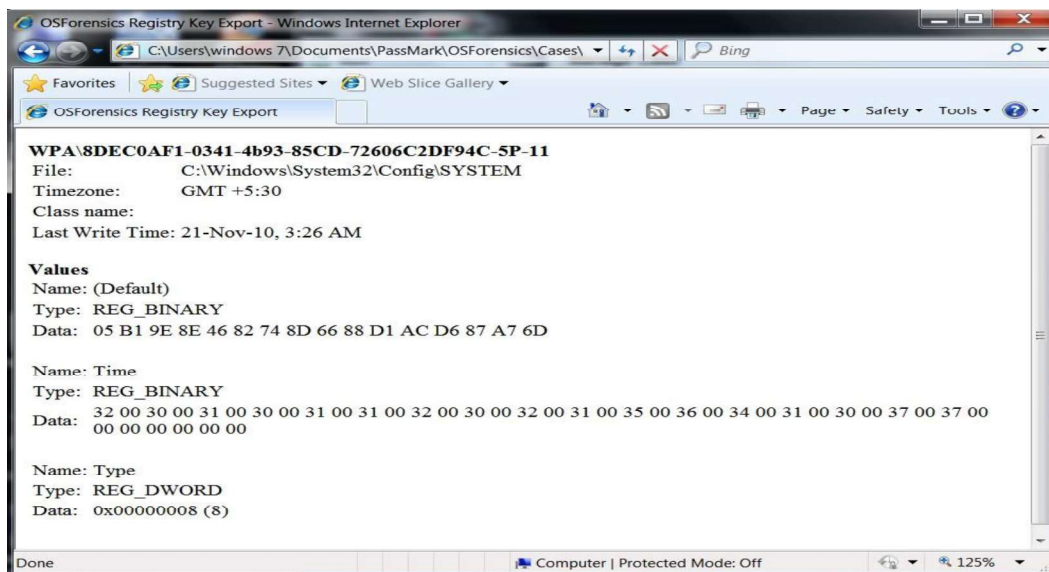
Select Ok

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Select registry viewer file



2. COMPUTER NETWORK:

For Computer Network search registry settings and repeat the process. The various Registry Settings for windows 7 are as follows:

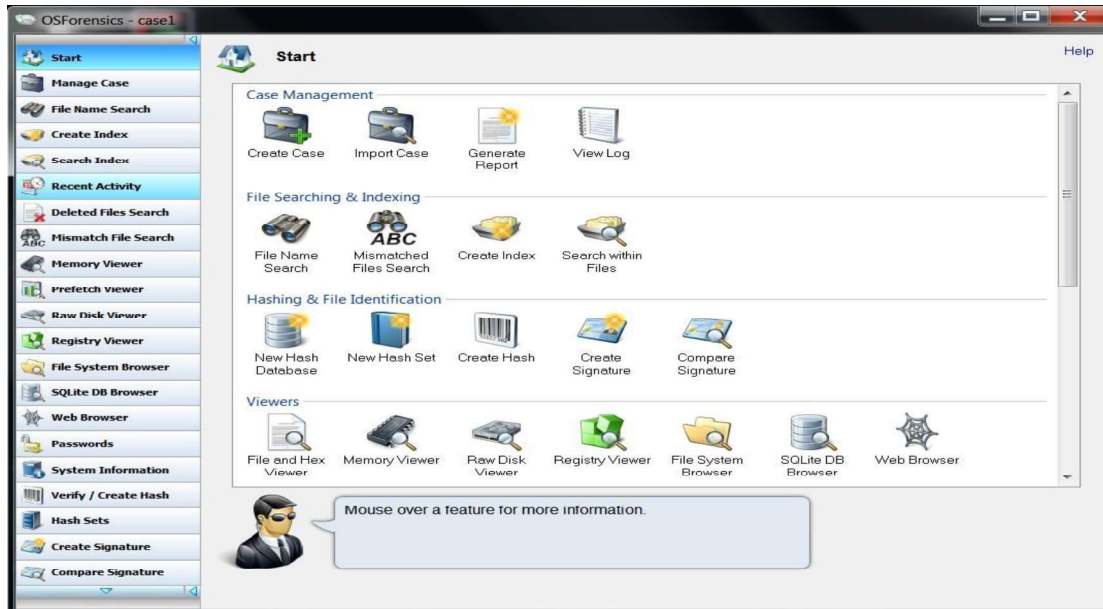
FILE1:

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet/Control/Class/{4D36E972-E325-11CE-BFC1-08002bE10318}

Step 1: Start OSForensics as Start->All Programs -> OSForensics->OSForensics

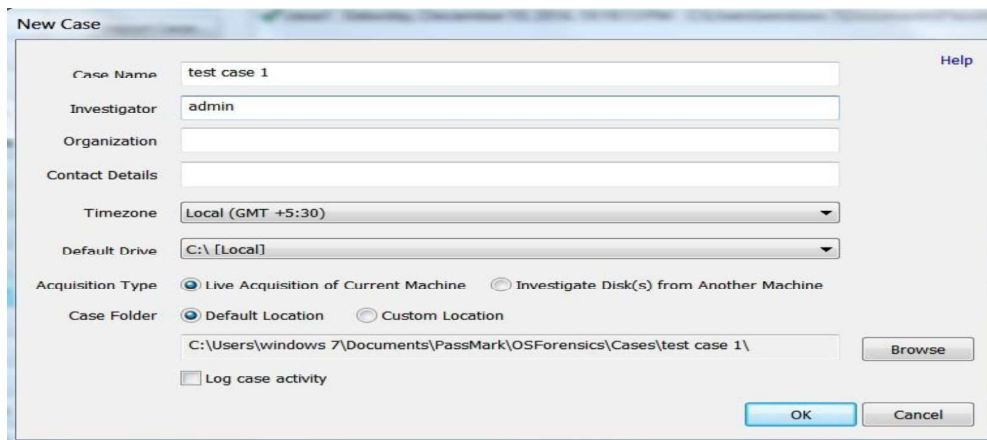
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Step 2: Create a new Case by selecting Create Case. The following window will be popped:

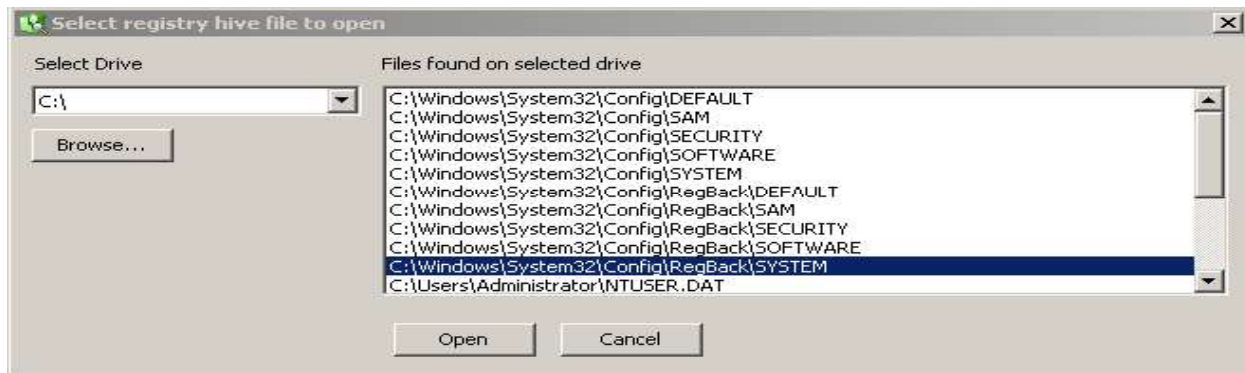
Enter Appropriate Details and Select OK



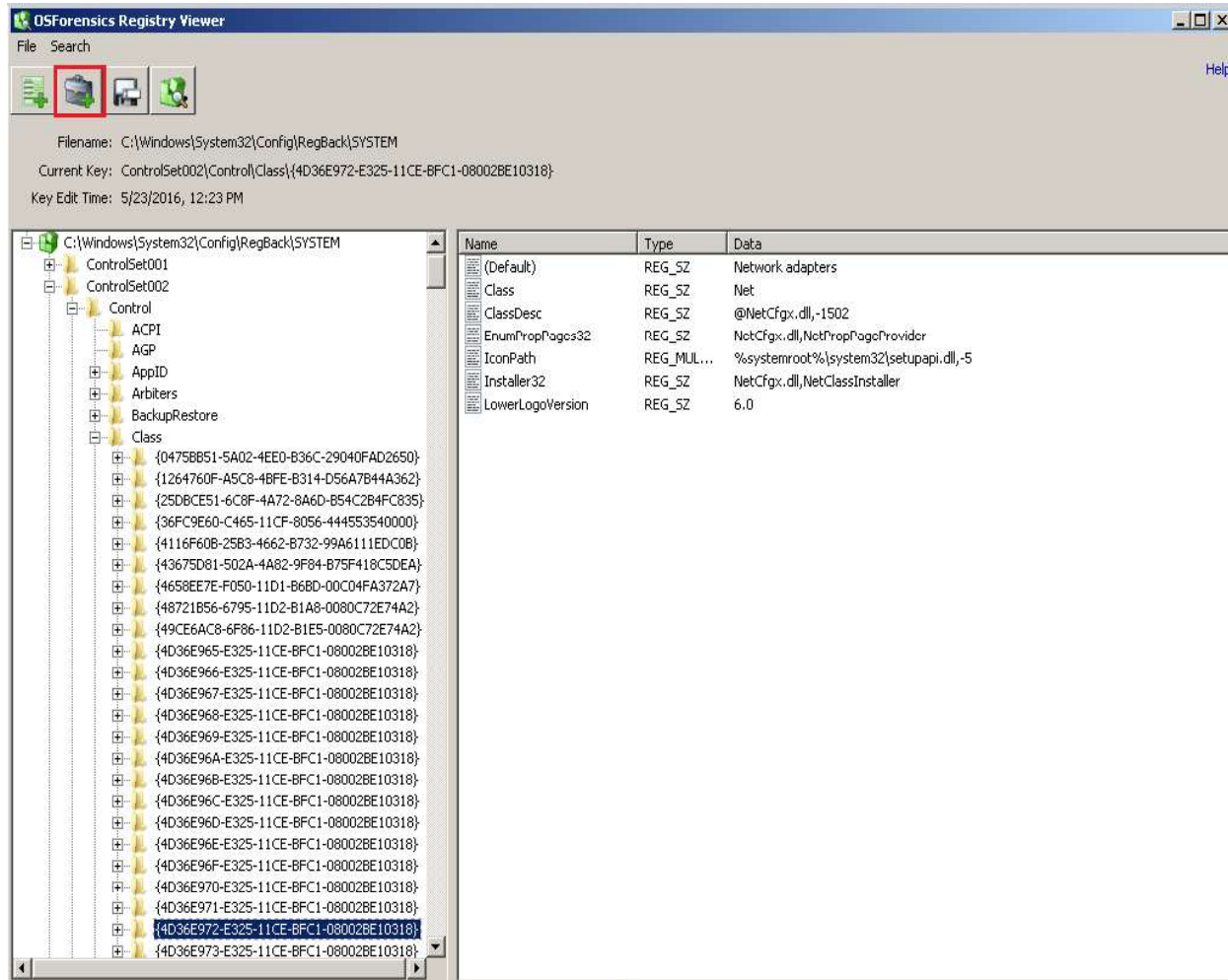
Step 3: Select Registry Viewer and select registry hive file to open for computer system

Select open

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Step 4:
Select system file to add a key/value



Enter Appropriate Details and Select OK

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Please Enter New Case Item Details

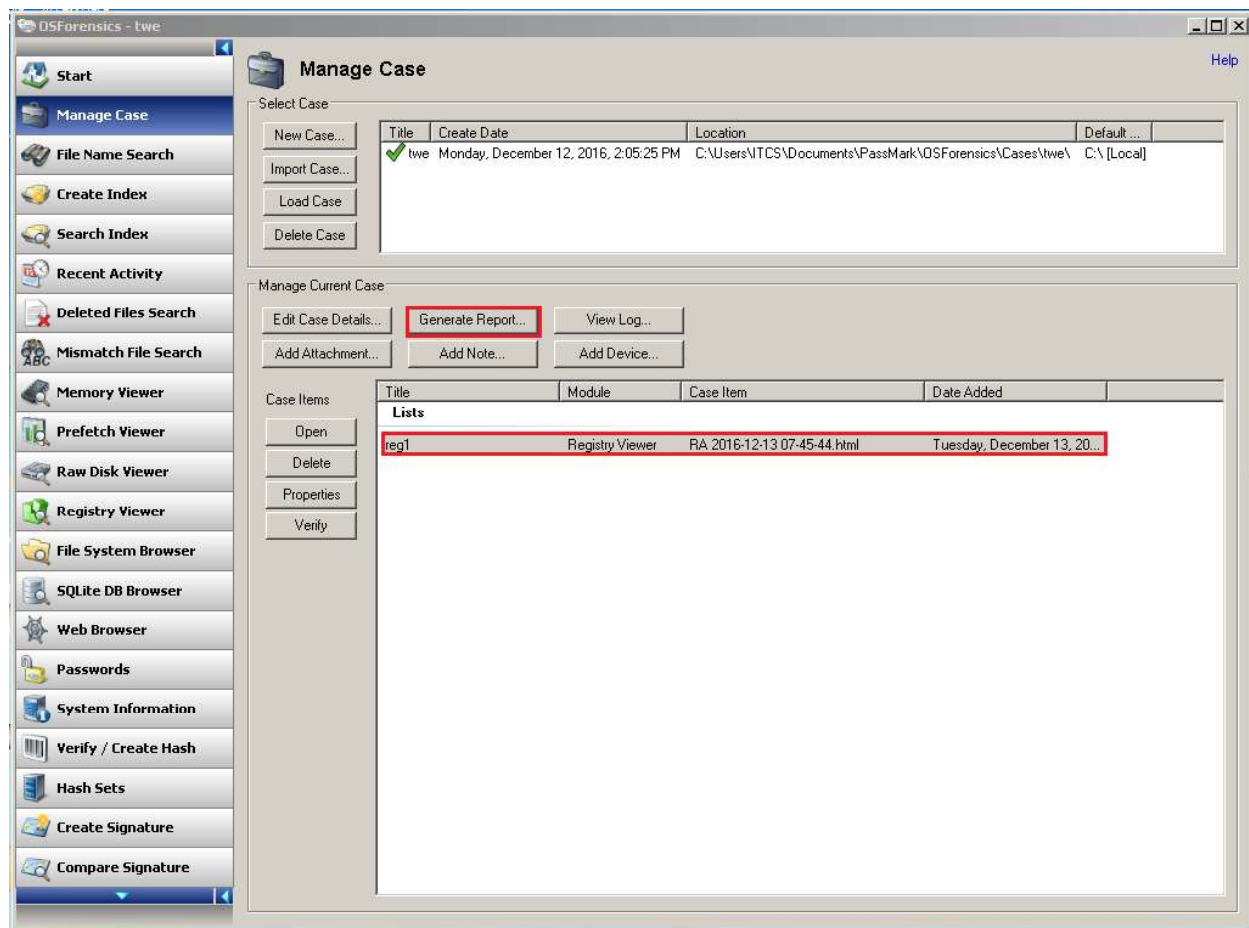
reg1

Notes:

Format: ☒ HTML ☐ CSV

OK Cancel

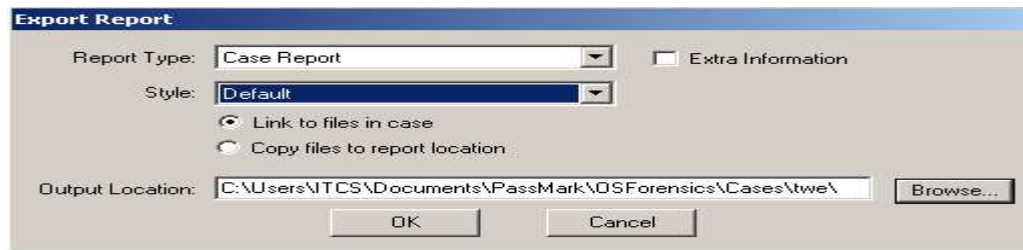
Step 5: Select Manage Case



Select registry viewer file and click on Generate Report

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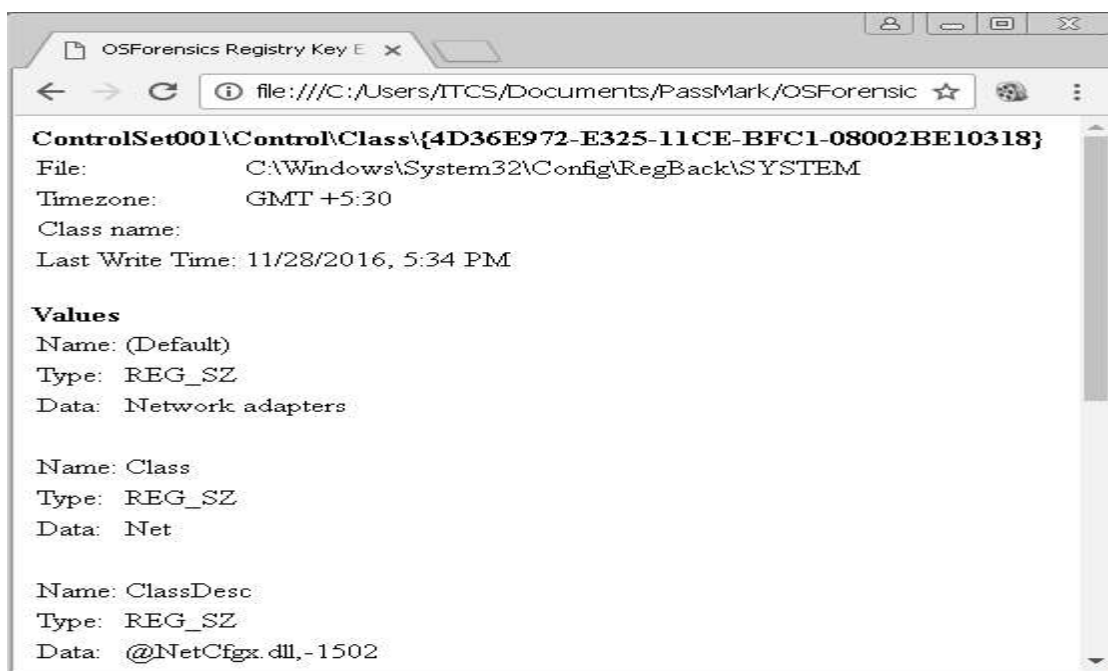
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Select Ok



Select registry viewer file

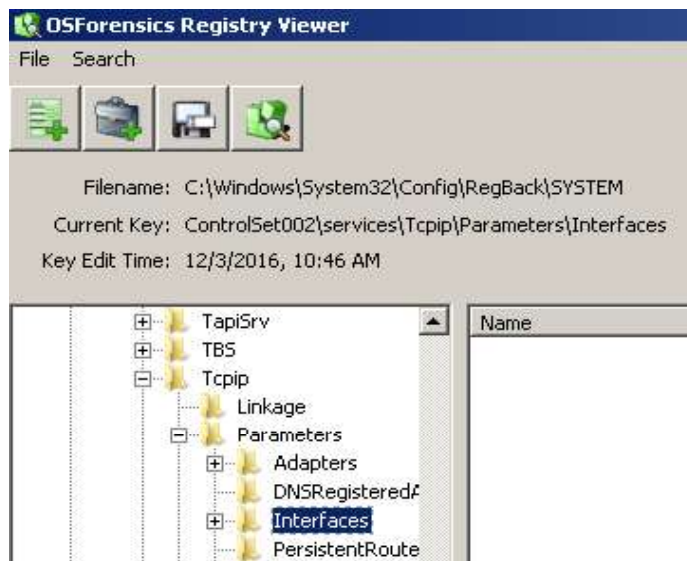
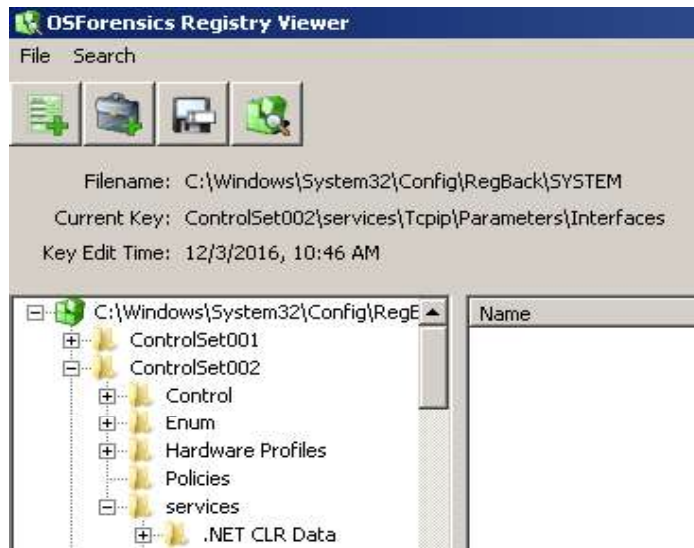


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FILE2:

HKEY_LOCAL_MACHINE/SYSTEM/CurrentControlSet/Services/Tcpip4/Parameters/Interfaces



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