

Windows-Forensics-1

INTRODUCTION

Computer forensics is vital in cybersecurity, uncovering evidence from digital devices. A prime example is the BTK killer case, solved through data recovery from a floppy disk. With Windows dominating the desktop OS market, mastering forensic analysis on this platform is crucial.

Forensic Artifacts

Forensic artifacts are digital traces of user activity. Like physical evidence at a crime scene, these artifacts tell a story. Windows creates numerous artifacts to enhance user experience, but they also provide critical evidence for investigators.

Is My Computer Spying on Me?

Windows tracks user activity, not to spy, but to improve personalization. However, this same data is invaluable for forensic analysis, helping investigators trace user actions and uncover evidence.

Let me walk you through on how I tackled each task.

What is the most used Desktop Operating System right now?

Microsoft Windows

✓ Correct

Microsoft Windows is by large the most used Desktop Operating System right now.

In this module, we will learn about the different ways we can gather forensic data from the Windows Registry and **make** conclusions about the activity performed on a Windows system based on this data.

Microsoft Windows is by large the most used Desktop Operating System right now. Private users and Enterprises prefer it, and it currently holds roughly 80% of the Desktop market share. This means that it is important to know how to perform forensic analysis on Microsoft Windows for someone interested in Digital Forensics. In this module, we will learn about the different ways we can gather forensic data from the Windows Registry and make conclusions about the activity performed on a Windows system based on this data.

Forensic Artifacts:

The registry on any Windows system contains the following five root keys:

1. HKEY_CURRENT_USER
2. HKEY_USERS
3. HKEY_LOCAL_MACHINE
4. HKEY_CLASSES_ROOT
5. HKEY_CURRENT_CONFIG

What is the short form for HKEY_LOCAL_MACHINE?

HKLM

✓ Correct

This can be found in the reading. Also quite good information as to what the information in each of the five root keys hold. The image below is the sample section where I read this information.

Folder/predefined key	Description
HKEY_CURRENT_USER	Contains the root of the configuration information for the user who is currently logged on. The user's folders, screen colors, and Control Panel settings are stored here. This information is associated with the user's profile. This key is sometimes abbreviated as HKCU.
HKEY_USERS	Contains all the actively loaded user profiles on the computer. HKEY_CURRENT_USER is a subkey of HKEY_USERS. HKEY_USERS is sometimes abbreviated as HKU.
HKEY_LOCAL_MACHINE	Contains configuration information particular to the computer (for any user). This key is sometimes abbreviated as HKLM.
HKEY_CLASSES_ROOT	<p>Is a subkey of HKEY_LOCAL_MACHINE\Software. The information that is stored here makes sure that the correct program opens when you open a file by using Windows Explorer. This key is sometimes abbreviated as HKCR.</p> <p>Starting with Windows 2000, this information is stored under both the HKEY_LOCAL_MACHINE and HKEY_CURRENT_USER keys. The HKEY_LOCAL_MACHINE\Software\Classes key contains default settings that can apply to all users on the local computer. The HKEY_CURRENT_USER\Software\Classes key has settings that override the default settings and apply only to the interactive user.</p> <p>The HKEY_CLASSES_ROOT key provides a view of the registry that merges the information from these two sources. HKEY_CLASSES_ROOT also provides this merged view for programs that are designed for earlier versions of Windows. To change the settings for the interactive user, changes must be made under HKEY_CURRENT_USER\Software\Classes instead of under HKEY_CLASSES_ROOT.</p> <p>To change the default settings, changes must be made under HKEY_LOCAL_MACHINE\Software\Classes. If you write keys to a key under HKEY_CLASSES_ROOT, the system stores the information under HKEY_LOCAL_MACHINE\Software\Classes.</p> <p>If you write values to a key under HKEY_CLASSES_ROOT, and the key already exists under HKEY_CURRENT_USER\Software\Classes, the system will store the information there instead of under HKEY_LOCAL_MACHINE\Software\Classes.</p>
HKEY_CURRENT_CONFIG	Contains information about the hardware profile that is used by the local computer at system startup.

What is the path for the five main registry hives, DEFAULT, SAM, SECURITY, SOFTWARE, and SYSTEM?

C:\Windows\System32\Config

✓ Correct

C:\Windows\System32\Config is the path to the five main registry hives as shown from the information in the image below.

If you are accessing a live system, you will be able to access the registry using regedit.exe, and you will be greeted with all of the standard root keys we learned about in the previous task. However, if you only have access to a disk image, you must know where the registry hives are located on the disk. The majority of these hives are located in the **C:\Windows\System32\Config** directory and are:

1. **DEFAULT** (mounted on **HKEY_USERS\DEFAULT**)
2. **SAM** (mounted on **HKEY_LOCAL_MACHINE\SAM**)
3. **SECURITY** (mounted on **HKEY_LOCAL_MACHINE\Security**)
4. **SOFTWARE** (mounted on **HKEY_LOCAL_MACHINE\Software**)
5. **SYSTEM** (mounted on **HKEY_LOCAL_MACHINE\System**)

What is the path for the AmCache hive?

C:\Windows\AppCompat\Programs\Amcache.hve

✓ Correct

Going through the reading, I came across this information as it can be seen in the image below.

The Amcache Hive:

Apart from these files, there is another very important hive called the AmCache hive. This hive is located in **C:\Windows\AppCompat\Programs\Amcache.hve**. Windows creates this hive to save information on programs that were recently run on the system.

What is the Current Build Number of the machine whose data is being investigated?

19044

✓ Correct

We will be using the screenshot provided in the reading. The OS Version section tells us to use the screenshot to answer question 1, as seen below.

Enter text to search... Find

Key name

Windows Media Foundation

Windows Media Player NSS

Windows Messaging Subsystem

Windows NT

CurrentVersion

Windows Performance Toolkit

Windows Photo Viewer

Windows Portable Devices

Windows Script Host

Windows Search

Windows Security Health

Windows10Upgrader

WindowsRuntime

WindowsSelfHost

WindowsStore

WindowsUpdate

Wisp

WlanSvc

WpaSvc

Wow64

WSDAPI

WwanSvc

XAML

Mozilla

Drag a column header here to group by that column

Value Name	Value Type	Data	Value Slack
SystemRoot	RegSz	C:\WINDOWS	00-00-00-00-00-00
BaseBuildRevisionNumber	RegDword	1	
BuildBranch	RegSz	vb_release	00-00-00-00-00-00
BuildGUID	RegSz	ffffffff-ffff-ffff-ffffffff	00-00
BuildLab	RegSz	19041.vb_release.191206-1406	00-00
BuildLabEx	RegSz	19041.1.amd64fre.vb_release.191206-1...	00-00-00-00
CompositionEditionID	RegSz	Enterprise	00-00-00-00-00-05
CurrentBuild	RegSz	19044	
CurrentBuildNumber	RegSz	19044	
CurrentMajorVersionNumber	RegDword	10	
CurrentMinorVersionNumber	RegDword	0	
CurrentType	RegSz	Multiprocessor Free	65-00-64-00-00-00-00-00-00-00-00-00
CurrentVersion	RegSz	6.3	00-00-00-00
EditionID	RegSz	Professional	00-00
EditionSubManufacturer	RegSz		
EditionSubstring	RegSz		
EditionSubVersion	RegSz		
InstallationType	RegSz	Client	00-00-00-00-00-00
InstallDate	RegDword	1637778211	
ProductName	RegSz	Windows 10 Pro	72-00-70-00-72-00-69-00-73-00-65-00-0...
ReleaseId	RegSz	2009	00-00
SoftwareType	RegSz	System	00-00-00-00-00-00

Which ControlSet contains the last known good configuration?

1

✓ Correct

The screenshot in Current Control Set section will contain the answer we need, the image below is the screenshot image from the task.

Enter text to search... Find

Key name

Select

Setup

Software

State

WaaS

WPA

Unassociated deleted values

C:\Users\THM-4n6\Desktop\UsrClass.dat clean

Drag a column header here to group by that column

Value Name	Value Type	Data	Value Slack
Current	RegDword	1	
Default	RegDword	1	
Failed	RegDword	0	
LastKnownGood	RegDword	1	

✓ Correct

Enter text to search... Find

Key name

▼ Rtc

- ▶ **Select**
- ▶ Setup
- ▶ Software
- ▶ State
- ▶ WaaS
- ▶ WPA
- ✖ Unassociated deleted values

▶ C:\Users\THM-4n6\Desktop\UsrClass.dat_clean

Drag a column header here to group by that column

	Value Name	Value Type	Data	Value
▼	Rtc	Rtc	Rtc	Rtc
▶	Current	RegDword	1	
	Default	RegDword	1	
	Failed	RegDword	0	
	LastKnownGood	RegDword	1	

Pakistan Standard Time

✓ Correct

Drag a column header here to group by that column

🔍

Value Name	Value Data	Value Data Raw
▼ c	c	c
▶ Bias	-300	4294966996
DaylightBias	-60	4294967236
DaylightName	@tzres.dll,-871	@tzres.dll,-871
DaylightStart	Month 0, week of month 0, day of week 0, Hours:Minutes:Seconds:Milliseconds 0:0:0:0	00-00-00-00-00-00-00-00-00-00-00-00-00
StandardBias	0	0
StandardName	@tzres.dll,-872	@tzres.dll,-872
StandardStart	Month 0, week of month 0, day of week 0, Hours:Minutes:Seconds:Milliseconds 0:0:0:0	00-00-00-00-00-00-00-00-00-00-00-00-00
TimeZoneKeyName	Pakistan Standard Time	Pakistan Standard Time
ActiveTimeBias	-300	4294966996

192.168.100.58

✓ Correct

4/14

Registry hives (7)

Available bookmarks (108/0)

Key name

RecentDocs

Ribbon

RunMRU

SearchPlatform

Shell Folders

ShutDown

StartPage

Streams

StuckRects3

TabletMode

Taskband

TypedPaths

User Shell Folders

UserAssist

VirtualDesktops

VisualEffects

Wallpapers

Values

Recent documents

RecentDocs

RecentDocs

RecentDocs

RecentDocs

RecentDocs

RecentDocs

RecentDocs

RecentDocs

RecentDocs

Folder

Folder

Folder

.xml

.txt

.ps1

7

6

5

4

3

1

0

2

2

1

0

0

0

0

0

EZtools

Settings

WallpaperSettings.xml

System and Security

::{BB06C0E4-D293-4F75-8A90-CB05B6477E EE}

KAPE

Get-KAPEUpdate.ps1

ChangelLog.txt

Settings

System and Security

KAPE

WallpaperSettings.xml

ChangelLog.txt

Get-KAPEUpdate.ps1

EZtools.lnk

Settings.lnk

WallpaperSettings.lnk

System and Security.lnk

System.lnk

KAPE.lnk

Get-KAPEUpdate.lnk

ChangelLog.lnk

Settings.lnk

System and Security.lnk

KAPE.lnk

WallpaperSettings.lnk

ChangelLog.lnk

Get-KAPEUpdate.lnk

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0

0

0

2021-12-01 13:00:34

2021-11-30 10:56:23

2021-11-24 18:18:48

At what time was My Computer last interacted with?

2021-12-01 13:06:47

✓ Correct

The screenshot in ShellBags section as shown below contained the response needed.

ShellBags Explorer v1.4.0.0

File Tools Help

Value

Desktop

My Computer

KAPE

Home Folder

Search Folder

Search Folder

Control Panel

E:\

Drag a column header here to group by that column

Value	Icon	Shell Type	MRU Posi...	Created On	Modified On	Accessed On	First Interacted	Last Interacted	Has Explored	Miscellaneous
My Computer		Root folder: GUID	0					2021-12-01 13:06:47	<input checked="" type="checkbox"/>	
KAPE		Directory	1	2021-11-25 03:34:14	2021-11-25 03:34:14	2021-11-25 03:34:14			<input checked="" type="checkbox"/>	NTPS file system
Home Folder		Root folder: GUID	2				2021-11-24 18:20:02		<input checked="" type="checkbox"/>	
Search Folder		Users property view	3				2021-11-30 11:08:01		<input type="checkbox"/>	
Search Folder		Users property view	4				2021-11-30 11:08:52		<input checked="" type="checkbox"/>	
Control Panel		Root folder: GUID	5						<input type="checkbox"/>	
E:\		Users property view: Drive letter	6				2021-11-24 18:20:02		<input checked="" type="checkbox"/>	

What is the Absolute Path of the file opened using notepad.exe?

C:\Program Files\Amazon\Ec2ConfigService\Settings

✓ Correct

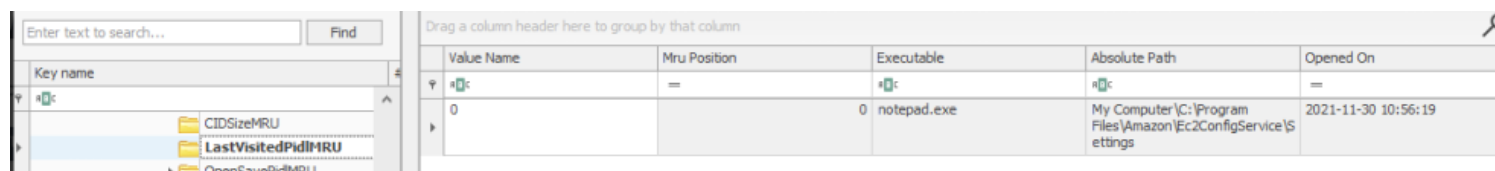
The screenshot in Open/Save and LastVisited Dialog MRUs section will contain the answers needed just as shown from image below.

When was this file opened?

2021-11-30 10:56:19

✓ Correct

Checking on the "Open On" tab in the image below, I found the date.



The screenshot shows the UserAssist tool interface. On the left, a tree view shows the registry path: Computer\HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\UserAssist. The right pane shows a table with columns: Value Name, Mru Position, Executable, Absolute Path, and Opened On. The table contains one entry for notepad.exe, which was opened on 2021-11-30 10:56:19.

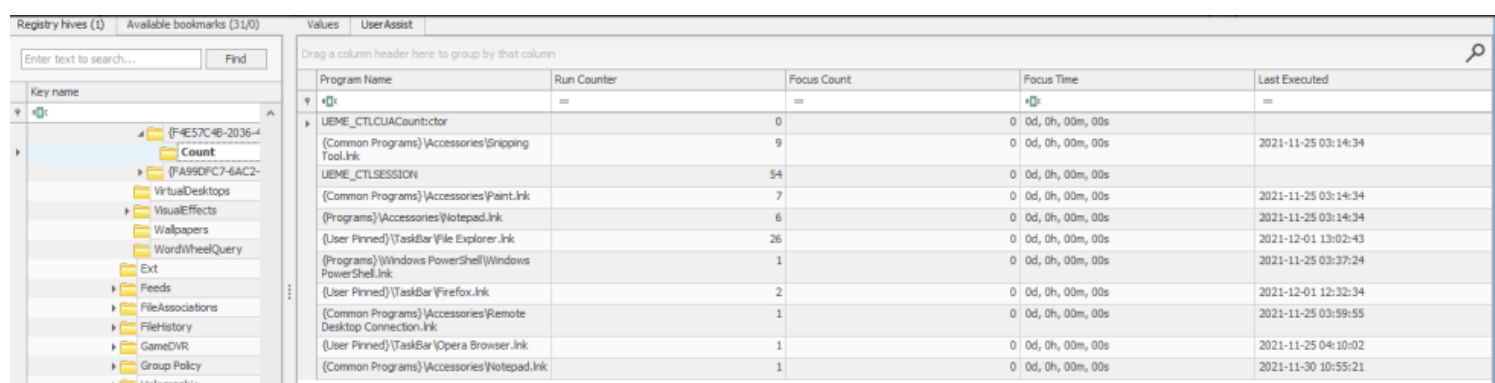
Value Name	Mru Position	Executable	Absolute Path	Opened On
0		notepad.exe	My Computer\C:\Program Files\Amazon\Ec2ConfigService\Settings	2021-11-30 10:56:19

How many times was the File Explorer launched?

26

✓ Correct

The screenshot in UserAssist section will contain the answer we need just as seen in the image below.



The screenshot shows the UserAssist tool interface. On the left, a tree view shows the registry path: Computer\HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\UserAssist. The right pane shows a table with columns: Program Name, Run Counter, Focus Count, Focus Time, and Last Executed. The table contains several entries, including File Explorer, which has a Focus Count of 26.

Program Name	Run Counter	Focus Count	Focus Time	Last Executed
UEME_CTLCUACountctor		0	0 0d, 0h, 00m, 00s	
(Common Programs)\Accessories\Snipping Tool.Link	9	0	0 0d, 0h, 00m, 00s	2021-11-25 03:14:34
UEME_CTLSESSION	54	0	0 0d, 0h, 00m, 00s	
(Common Programs)\Accessories\Paint.Link	7	0	0 0d, 0h, 00m, 00s	2021-11-25 03:14:34
(Programs)\Accessories\Notepad.Link	6	0	0 0d, 0h, 00m, 00s	2021-11-25 03:14:34
(User Pinned)\TaskBar\File Explorer.Link	26	0	0 0d, 0h, 00m, 00s	2021-12-01 13:02:43
(Programs)\Windows PowerShell\Windows PowerShell.Link	1	0	0 0d, 0h, 00m, 00s	2021-11-25 03:37:24
(User Pinned)\TaskBar\Firefox.Link	2	0	0 0d, 0h, 00m, 00s	2021-12-01 12:32:34
(Common Programs)\Accessories\Remote Desktop Connection.Link	1	0	0 0d, 0h, 00m, 00s	2021-11-25 03:59:55
(User Pinned)\TaskBar\Opera Browser.Link	1	0	0 0d, 0h, 00m, 00s	2021-11-25 04:10:02
(Common Programs)\Accessories\Notepad.Link	1	0	0 0d, 0h, 00m, 00s	2021-11-30 10:55:21

What is another name for ShimCache?

AppCompatCache

✓ Correct

The answer can be found in the reading-image below.

ShimCache:

ShimCache is a mechanism used to keep track of application compatibility with the OS and tracks all applications launched on the machine. Its main purpose in Windows is to maintain backward compatibility of applications. It is also called Application Compatibility Cache (**AppCompatCache**). It is located in the following location in the SYSTEM hive:

SYSTEM\CurrentControlSet\Control\Session Manager\AppCompatCache

ShimCache stores file name, file size, and last modified time of the executables.

Our goto tool, the Registry Explorer, doesn't parse ShimCache data in a human-readable format, so we go to another tool called AppCompatCache Parser, also a part of

Which of the artifacts also saves SHA1 hashes of the executed programs?

AmCache

✓ Correct

The image below, shows a section of the reading where I came across the answer to the above question.

The AmCache hive is an artifact related to ShimCache. This performs a similar function to ShimCache, and stores additional data related to program executions. [This data includes](#) execution path, installation, execution and deletion times, and SHA1 hashes of the executed programs. This hive is located in the file system at:

Which of the artifacts saves the full path of the executed programs?

The answer to this also can be found in the reading as shown below.

Background Activity Monitor or BAM keeps a tab on the activity of background applications. Similar Desktop Activity Moderator or DAM is a part of Microsoft Windows that optimizes the power consumption of the device. Both of these are a part of the Modern Standby system in Microsoft Windows.

What is the serial number of the device from the manufacturer 'Kingston'?

The screenshot in Device Identification section will contain the answers needed for this question and the next just as shown from the images below.

Registry hives (3)

Available bookmarks (61/0)

Enter text to search...

Find

Key name

USB

USBSTOR

XENBUS

XENVIF

Values

USBSTOR

Drag a column header here to group by that column

Timestamp	Manufacturer	Title	Version	Disk Id	Serial Number	Device Name	Installed	First Installed	Last Connected	Last Removed
2021-11-24 18:25...	Ven_Kingston	Prod_DataTraveler_2.0	Rev_PMAP	{e251921f-4da2-11ec-a783-001a7dda7110}	1C6F654E59A3B0C179D036AE80	Kingston DataTraveler 2.0 USB Device	2021-11-24 18:25...	2021-11-24 18:25...	2021-11-24 18:40...	
2021-11-24 18:27...	Ven_USB3.0	Prod_External_Device	Rev_SDM1	{f529a9d5-4d9e-11ec-a782-001a7dda7110}	0123456789ABCDE&0	USB3.0 External Device USB Device	2021-11-24 18:27...	2021-11-24 18:27...	2021-11-24 18:27...	

What is the name of this device?

Registry hives (3)

Available bookmarks (61/0)

Enter text to search...

Find

Key name

USB

USBSTOR

XENBUS

XENVIF

Values

USBSTOR

Drag a column header here to group by that column

Timestamp	Manufacturer	Title	Version	Disk Id	Serial Number	Device Name	Installed	First Installed	Last Connected	Last Removed
2021-11-24 18:25...	Ven_Kingston	Prod_DataTraveler_2.0	Rev_PPAP	{e251921f-4da2-11ec-a783-001a7dda7110}	1C6F654E9A3B0C1790366AE80	Kingston DataTraveler 2.0 USB Device	2021-11-24 18:25...	2021-11-24 18:25...	2021-11-24 18:40...	
2021-11-24 18:27...	Ven_USB3.0	Prod_External_Device	Rev_SDM1	{f529a9d5-4d9e-11ec-a782-001a7dda7110}	0123456789ABCDE&0	USB3.0 External Device USB Device	2021-11-24 18:27...	2021-11-24 18:27...	2021-11-24 18:27...	

What is the friendly name of the device from the manufacturer 'Kingston'?

Combining the information from both the first screenshot and the third from the reading, I can see the Disk Id from the first screenshot and Guid from the third screenshot shows a match. So the device name is Kingston DataTraveler 2.0 USB Device and the friendly name is USB.

Timestamp	Device	Serial Number	Guid	Friendly Name
2021-11-25 07:16:54			{E251921F-4DA2-11EC-A783-001A7DDA7110}	USB
2021-11-25 07:16:54			{F529A9D6-4D9E-11EC-A782-001A7DDA7110}	New Volume

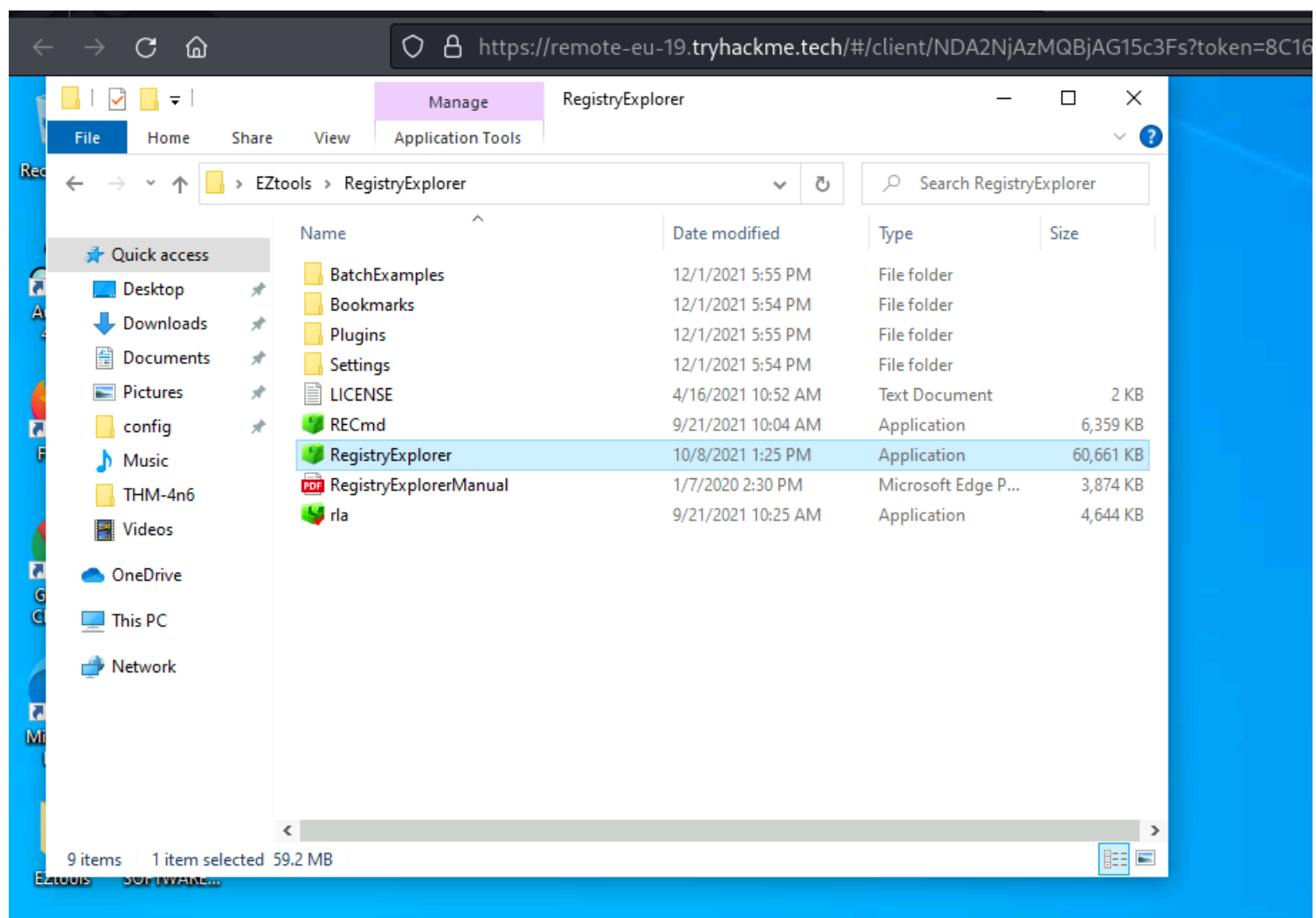
How many user created accounts are present on the system?

3

✓ Correct

I will be RDPing into the machine. I wrote the instructions [here](#) on how I did it.

Loading the hives into RegistryExplorer took me about 20 minutes of searching and messing around with the interface. It was difficult when I didn't even start on the actual questions yet! To load the hives into RegistryExplorer, we need to open it first. RegistryExplorer is located by going to EZTools folder -> RegistryExplorer -> RegistryExplorer. It may take a while for the application to load.



Once Registry Explorer loads, I loaded the hive. I did this by going to File -> Load hive
From here, I navigated to triage -> C -> Windows -> System 32 -> config to access the registry files.

[illegible]

After the above, I extended some of the columns so I can see what the column headers were. From here, we can see one user never logged on.

[illegible]

Similar to question 2, I looked at the columns to see which one gives me the answer I need and extended it for better visibility.

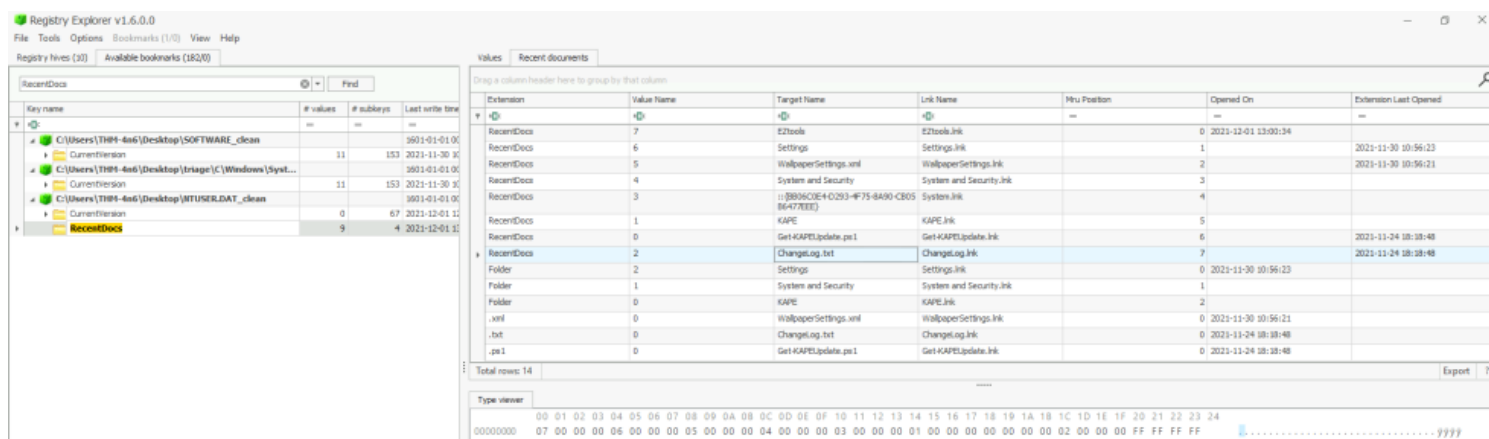
[illegible]

When was the file 'Changelog.txt' accessed?

2021-11-21 18:18:48

✓ Correct

I went back to one of the reading sections as I recalled learning where to find recent files. It's in Task 7. The location to find where a file was last accessed is at NTUSER.DAT\Software\Microsoft\Windows\CurrentVersion\Explorer\RecentDocs. Alternatively, you can type "RecentDocs" in the search bar and then look for the result that is under NTUSER.DAT. I was practicing navigating it and didn't use the search bar.



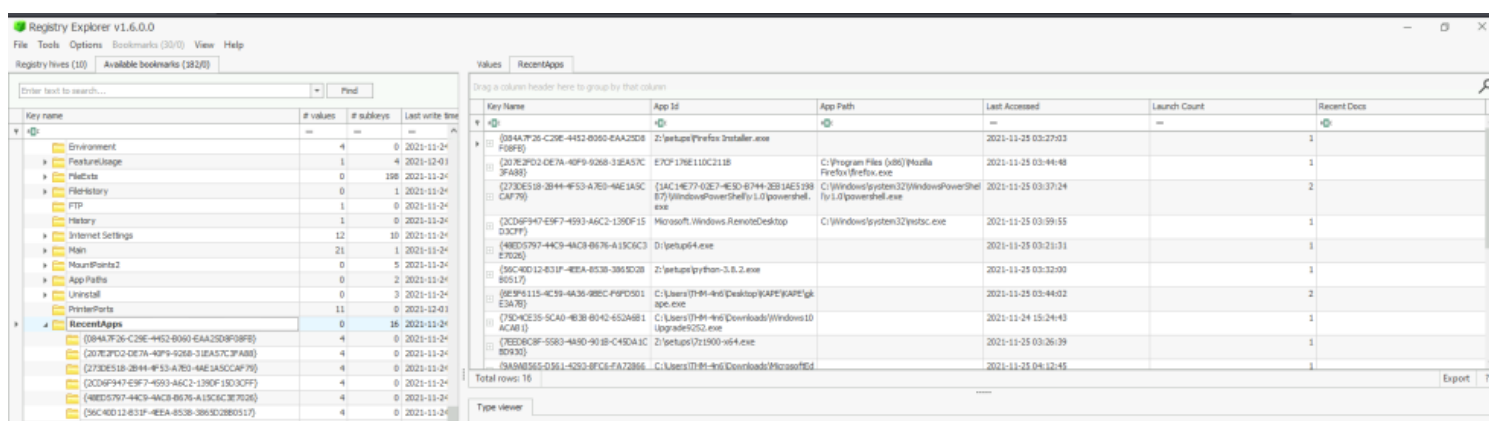
Extension	Value Name	Target Name	Link Name	File Position	Opened On	Extension Last Opened
RecentDocs	7	E2tools	E2tools.lnk	---	0 2021-12-01 13:00:34	---
RecentDocs	6	Settings	Settings.lnk	---	1	2021-11-30 10:56:23
RecentDocs	5	WallpaperSettings.xml	WallpaperSettings.lnk	---	2	2021-11-30 10:56:21
RecentDocs	4	System and Security	System and Security.lnk	---	3	---
RecentDocs	3	System.lnk	System.lnk	---	4	---
RecentDocs	1	KAPE	KAPE.lnk	---	5	---
RecentDocs	0	Get-KAPEUpdate.ps1	Get-KAPEUpdate.lnk	---	6	2021-11-24 18:18:48
RecentDocs	2	Changelog.txt	Changelog.lnk	---	7	2021-11-24 18:18:48
Folder	2	Settings	Settings.lnk	---	0 2021-11-30 10:56:23	---
Folder	1	System and Security	System and Security.lnk	---	1	---
Folder	0	KAPE	KAPE.lnk	---	2	---
.xml	0	WallpaperSettings.xml	WallpaperSettings.lnk	---	0 2021-11-30 10:56:21	---
.lnk	0	Changelog.txt	Changelog.lnk	---	0 2021-11-24 18:18:48	---
.ps1	0	Get-KAPEUpdate.ps1	Get-KAPEUpdate.lnk	---	0 2021-11-24 18:18:48	---

What is the complete path from where the python 3.8.2 installer was run?

Z:\setups\python-3.8.2.exe

✓ Correct

I checked the hint to see how to do this section properly. It said to look at UserAssist to look for any execution artifacts. I ended up doing that and looking through each of the folder in UserAssist. Found python as shown below.



Key Name	App Id	App Path	Last Accessed	Launch Count	Recent Docs
{09447726-C296-4452-B060-EAA2D0C8F695}	Z:\setups\python-3.8.2.exe	C:\Program Files (x86)\Mozilla Firefox\firefox.exe	2021-11-25 03:27:03	---	1
{207E2F02-DE7A-40P9-9268-33EA57C3FA88}	E:\XP-178E110C211B	C:\Windows\system32\WindowsPowerShell\cmd.exe	2021-11-25 03:44:48	---	1
{273DE518-2B44-4F53-47E0-4AE1A5C8F790}	{3AC1E777-62E7-4E3D-8744-2E91A5E198}	C:\Windows\system32\WindowsPowerShell\cmd.exe	2021-11-25 03:37:24	---	2
{2CD6F947-E9F7-4933-A6C2-1390F15D32F5}	Microsoft.Windows.RemoteDesktop	C:\Windows\system32\cmd.exe	2021-11-25 03:59:55	---	1
{48D57977-4AC9-4ACB-8676-A13C6C327026}	D:\setup\p4.exe	C:\Windows\system32\cmd.exe	2021-11-25 03:23:31	---	1
{3AC1E777-62E7-4E3D-8744-2E91A5E198}	Z:\setups\python-3.8.2.exe	C:\Users\TH94-and\Desktop\KAPE\KAPE.exe	2021-11-25 03:32:03	---	1
{09447726-C296-4452-B060-EAA2D0C8F695}	Z:\setups\python-3.8.2.exe	C:\Users\TH94-and\Desktop\KAPE\KAPE.exe	2021-11-25 03:44:02	---	2
{79DACE35-5CA0-4B38-8042-652A681ACAB1}	C:\Users\TH94-and\Downloads\Windows10UpgradeTool.exe	C:\Users\TH94-and\Downloads\Windows10UpgradeTool.exe	2021-11-24 15:24:43	---	1
{79DACE35-5CA0-4B38-8042-652A681ACAB1}	Z:\setups\python-3.8.2.exe	C:\Users\TH94-and\Downloads\Windows10UpgradeTool.exe	2021-11-25 03:26:39	---	1
{5A8A0365-0361-4262-8F0C-FA72886}	C:\Users\TH94-and\Downloads\Microsoft	C:\Users\TH94-and\Downloads\Microsoft	2021-11-25 04:12:45	---	1

When was the USB device with the friendly name 'USB' last connected?

2021-11-24 18:40:06

✓ Correct

I reread task 9 to jog my memory on how to get the device name. I went to SOFTWARE\Microsoft\Windows Portable Devices\Devices first. Unfortunately, Microsoft folder didn't exist, so the path I used was SOFTWARE\Windows Portable Devices\Devices. I saw that one of the two folders had a FriendlyName value of USB. I took note of, what I

believe to be, the serial number in the folder name.

Now I searched for "USBSTOR" and looked at the right side to compare values. It looks like the value I took note of wasn't the serial number but disk ID instead.

The screenshot shows the Registry Explorer v1.6.0.0 interface. The left pane displays the registry tree with the path `usb\USBSTOR` selected. The right pane shows a list of USB devices with columns: Timestamp, Manufacturer, Title, Version, Disk Id, Serial Number, Device Name, Installed, First Installed, Last Connected, and Last. The data is as follows:

Timestamp	Manufacturer	Title	Version	Disk Id	Serial Number	Device Name	Installed	First Installed	Last Connected	Last
2021-11-24 18:25:15	Ver_Kington	Prod_DataTraveler_3.0	Rev_PNAP	(6251921F-46a2-11ea-a783-001a7b567110)	1C0F654E39A380C179D366AE80	Kington DataTraveler 2.0 USB Device	2021-11-24 18:25:15	2021-11-24 18:25:15	2021-11-24 18:40:06	
2021-11-24 18:27:02	Ver_USB3.0	Prod_External_Device	Rev_SDM1	(F92a9d6-469e-11ea-a782-001a7b567110)	0123456789ABCDEF80	USB3.0 External Device USB Device	2021-11-24 18:27:02	2021-11-24 18:27:02	2021-11-24 18:27:02	

The screenshot shows a notification window titled "Room completed (100%)". It features a cartoon illustration of a lighthouse on a small island. The text reads: "Congratulations! You've completed the room! Share this with your friends:". Below this are three buttons for social media sharing: "Twitter", "Facebook", and "LinkedIn". At the bottom, there is a "Leave feedback" link. The window is decorated with colorful confetti.

<https://tryhackme.com/r/room/windowsforensics1>

CONCLUSION

I personally felt like this was the right difficulty for me. I've used EnCase and Autopsy before but never even heard of Registry Explorer. I love getting exposed to more tools as you'll never know what your organization will be using. Definitely took me a while to get started as the hardest part for me was understanding how to load the files into Registry Explorer. I enjoyed digging around trying to look for the answer. I even saved the cheat sheet that was given at the end of the room. There is absolutely no way I remembered everything I've read so the cheat sheet will definitely be useful.

