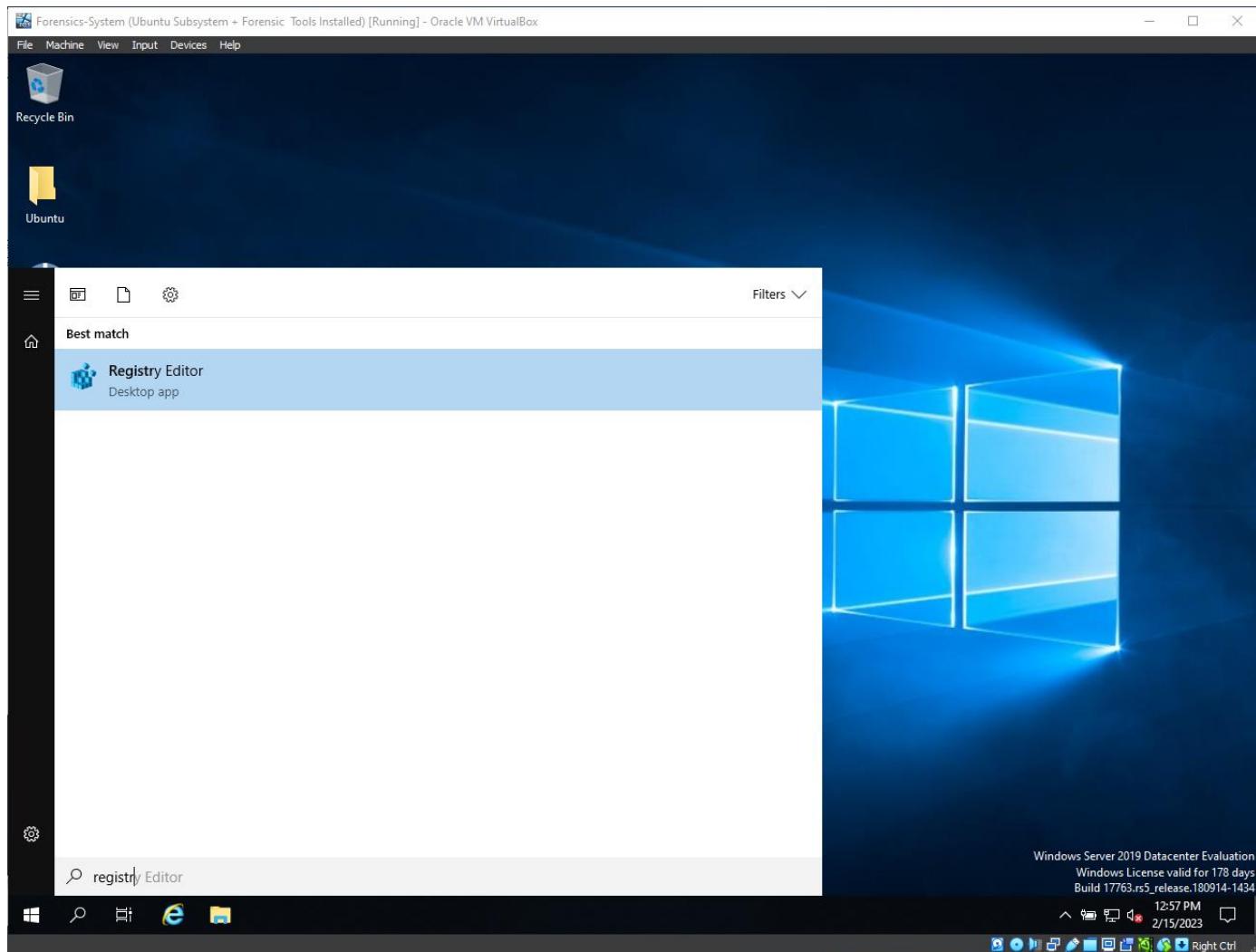


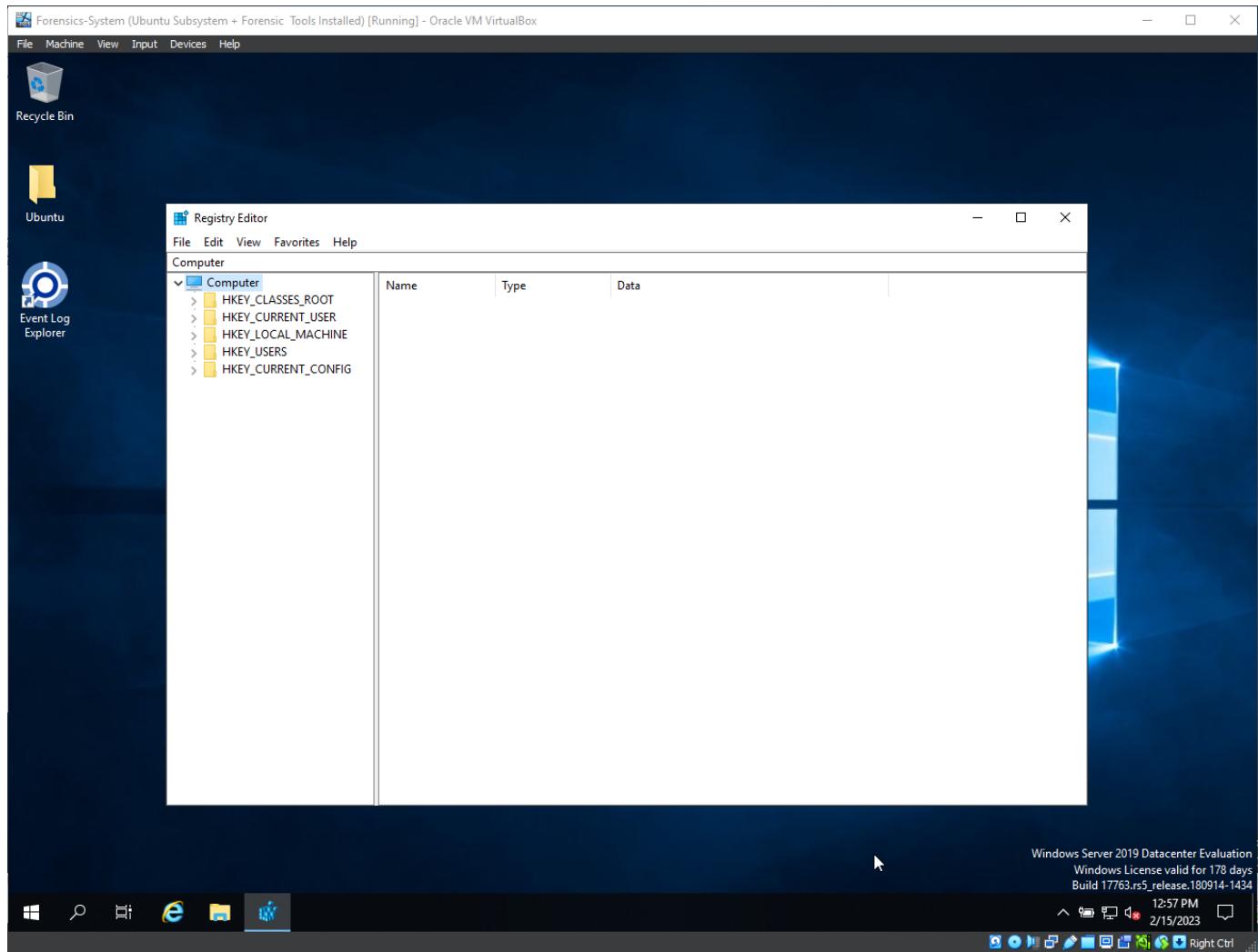
Windows Registry Analysis:

- Overview
- Registry Explorer – Investigation Start
- RegRipper
- SIDs
- User Accounts, groups and profiles

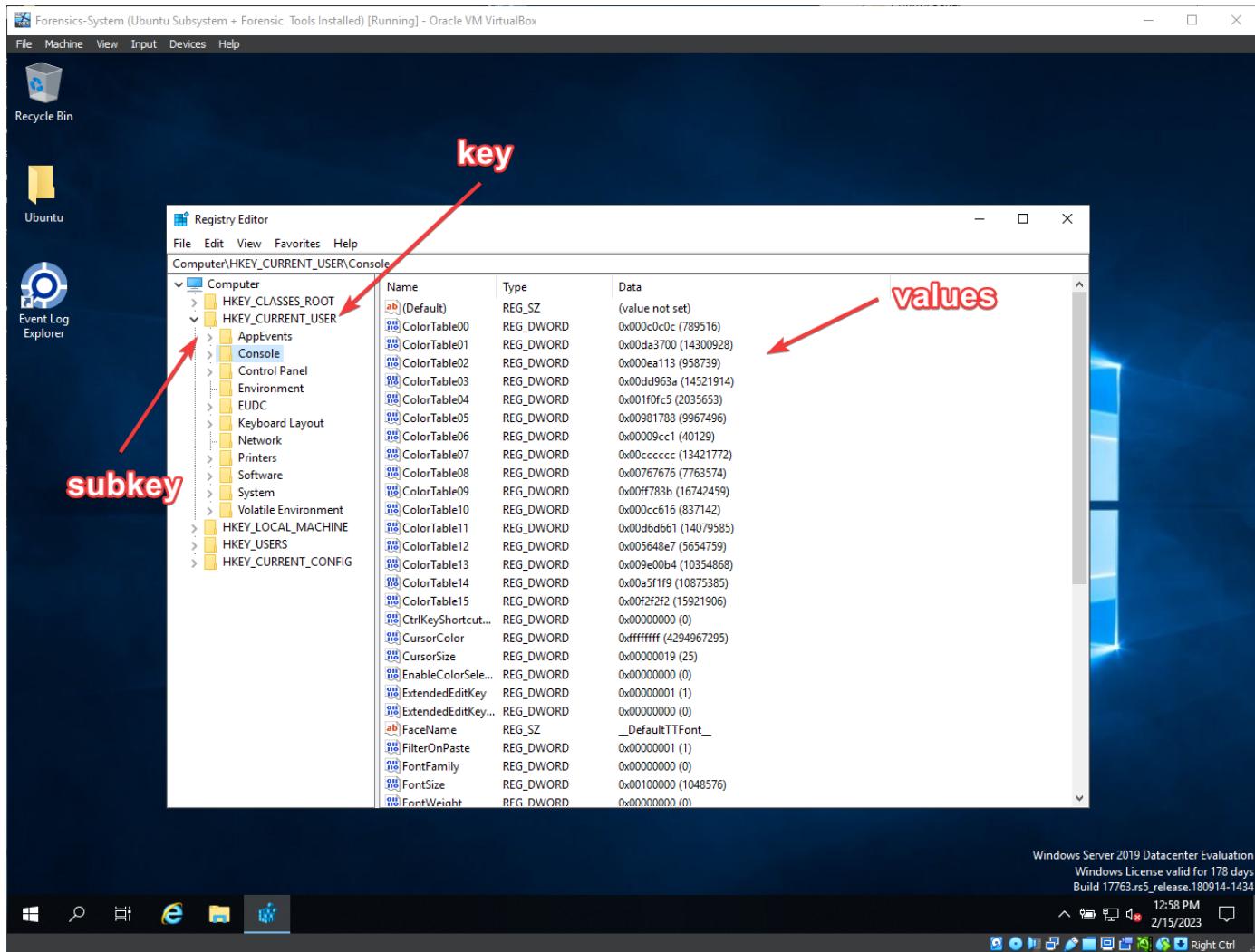
Overview

- Registry Editor:

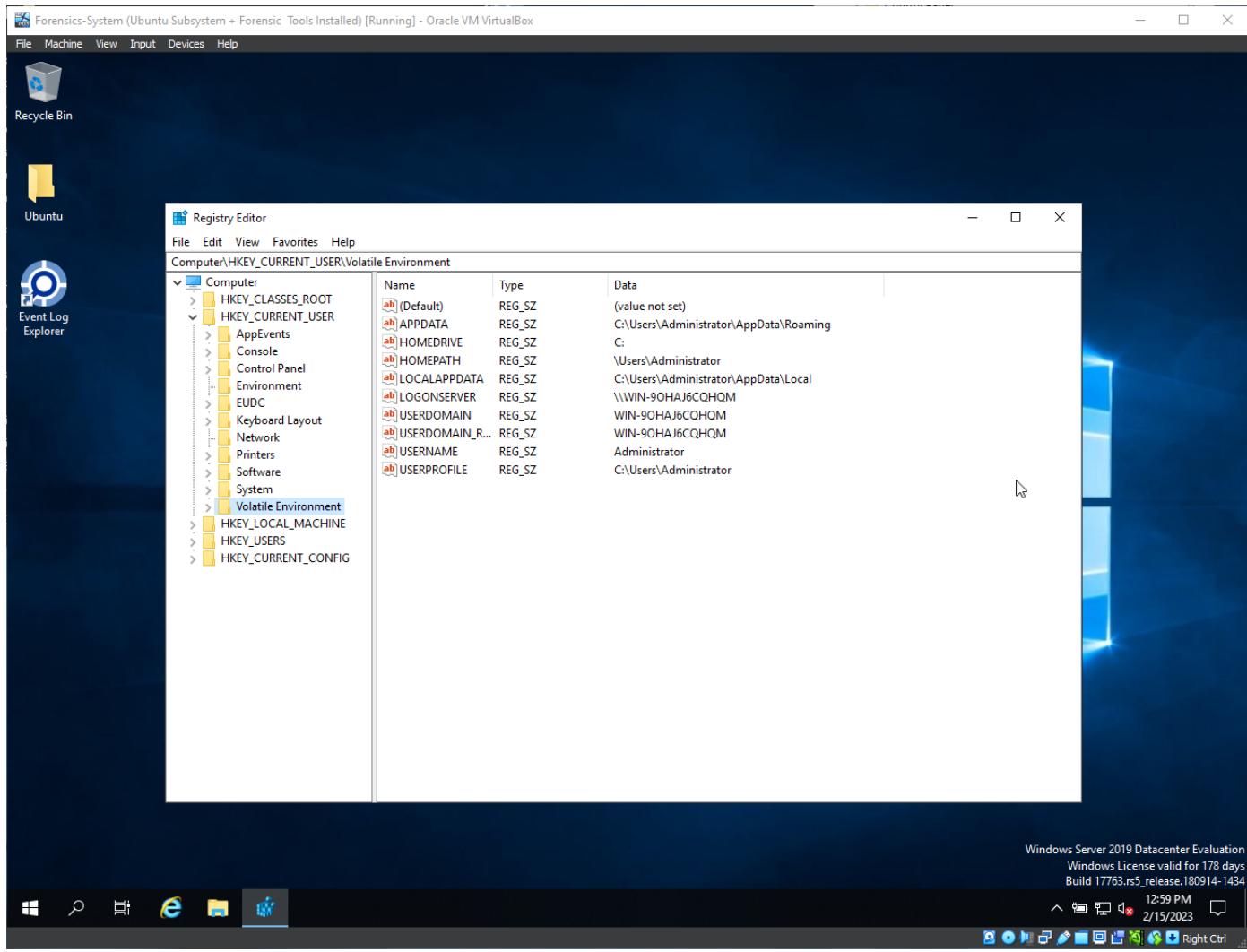




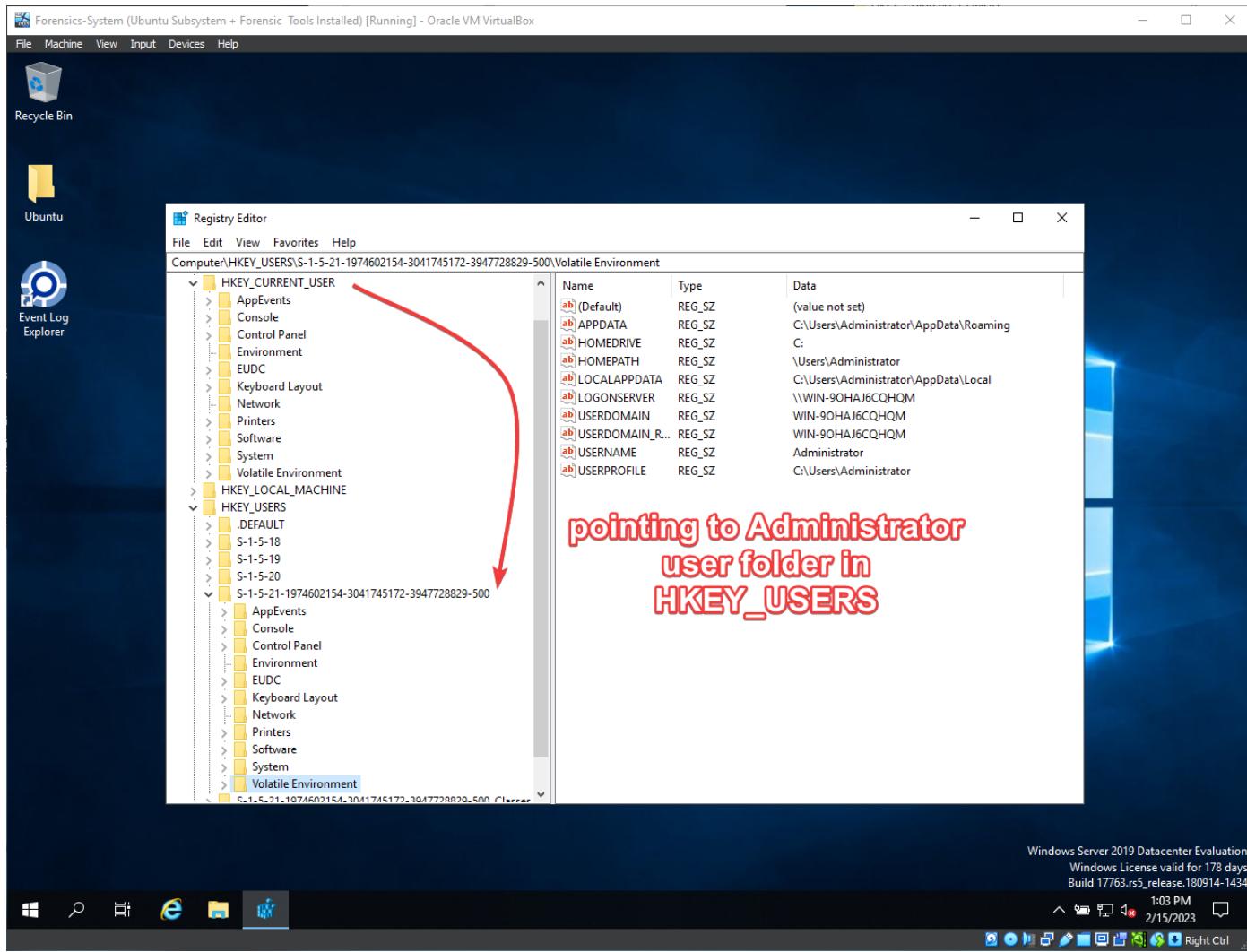
- The registry is the same as a database of key value pairs.



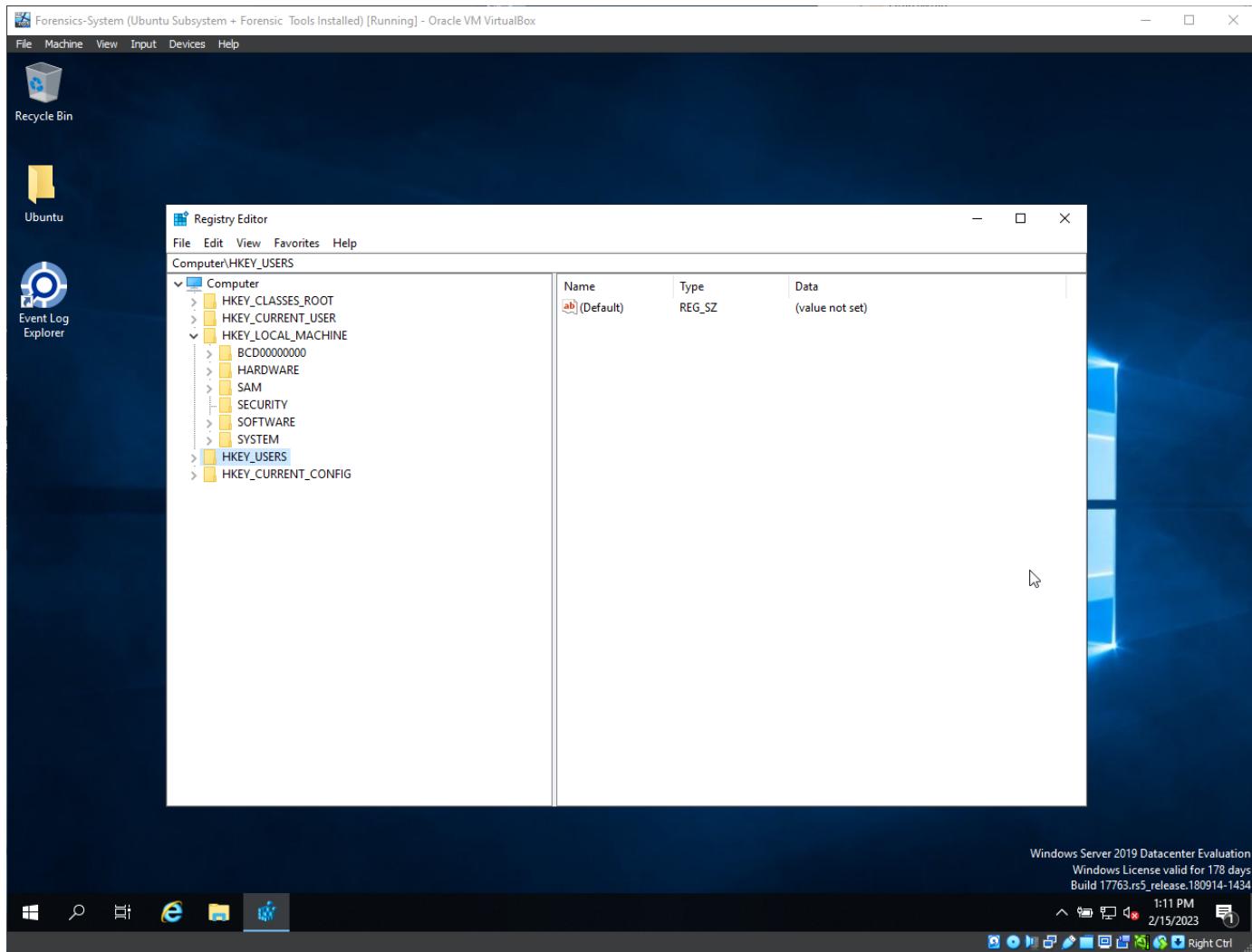
- HKEY_CURRENT_USER represents the user that is logged in.
- Applications, usually take information (user system settings or preferences) that it needs from this subkey.



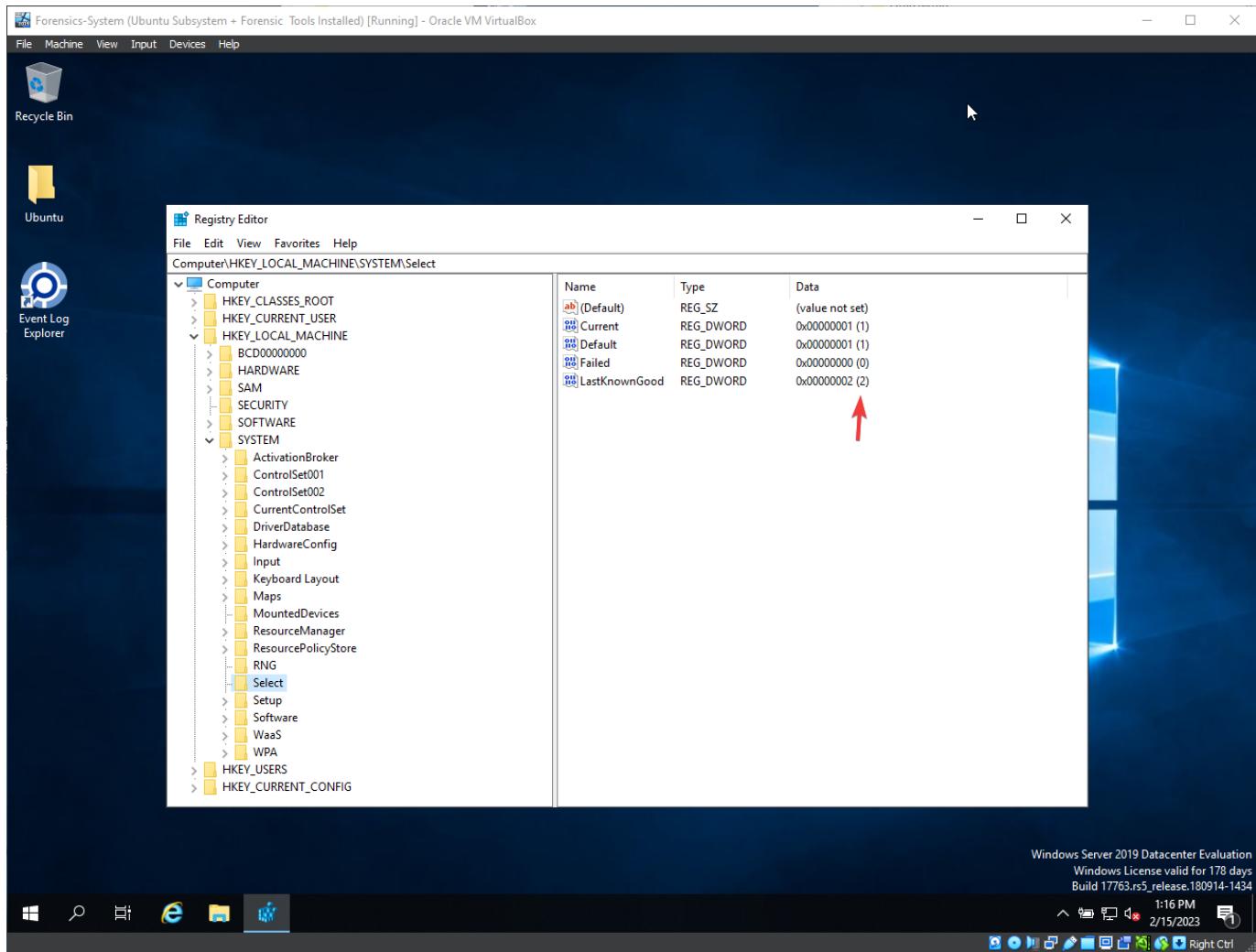
- HKEY_CURRENT_USER is a symbolic link . The information comes from HKEY_USERS registry key.



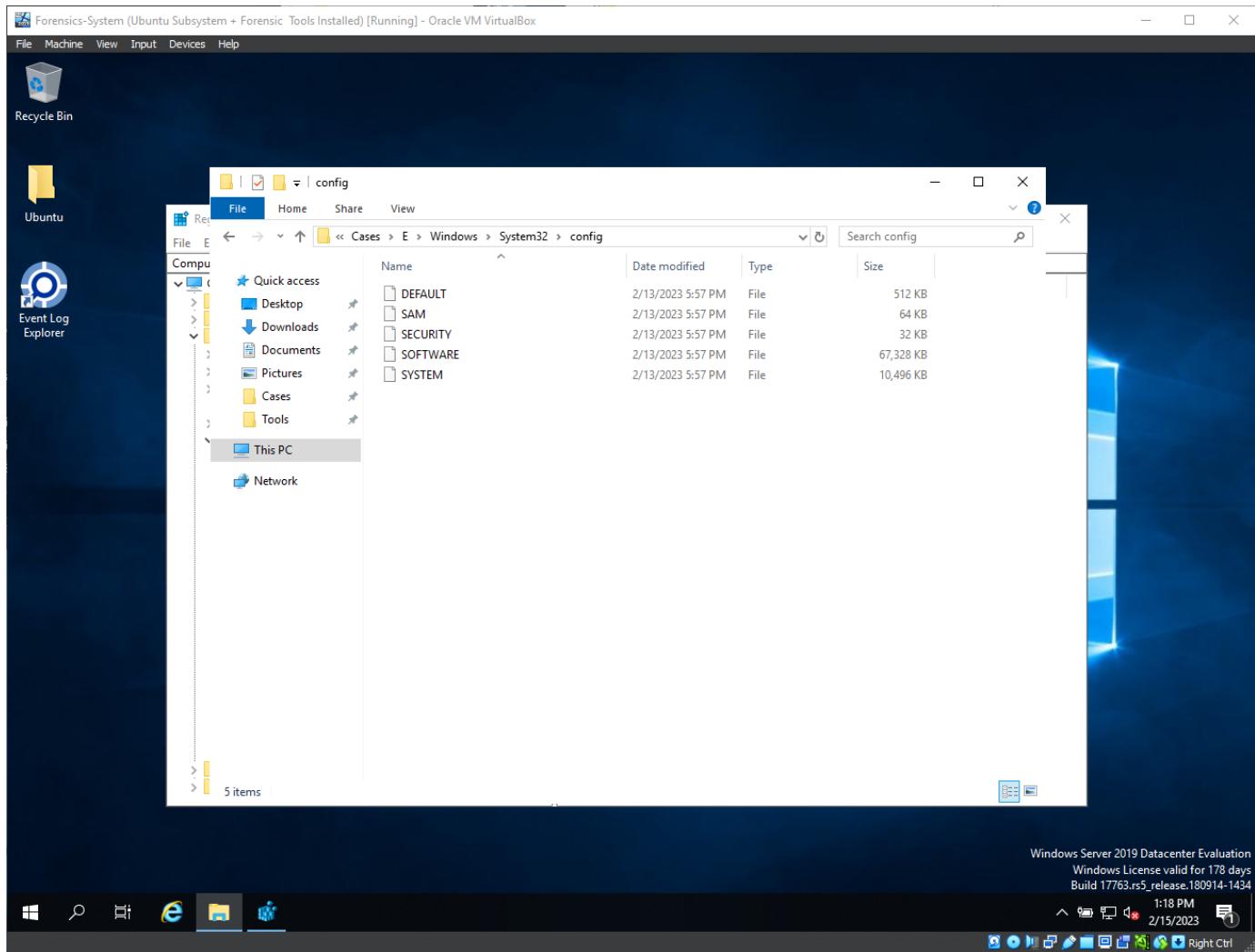
- HKEY_USERS has informations about users of the operating system.
- S, from S-1-5-18 comes from SID (Security Identifier)
- The information comes from Windows User Profile, for the windows to have a profile , you need to be logged in interactively , with mouse and keyboard and graphical access , in order to have windows create a profile for you.
- For Windows System Settings, these are mostly stored in HKEY_LOCAL_MACHINE.



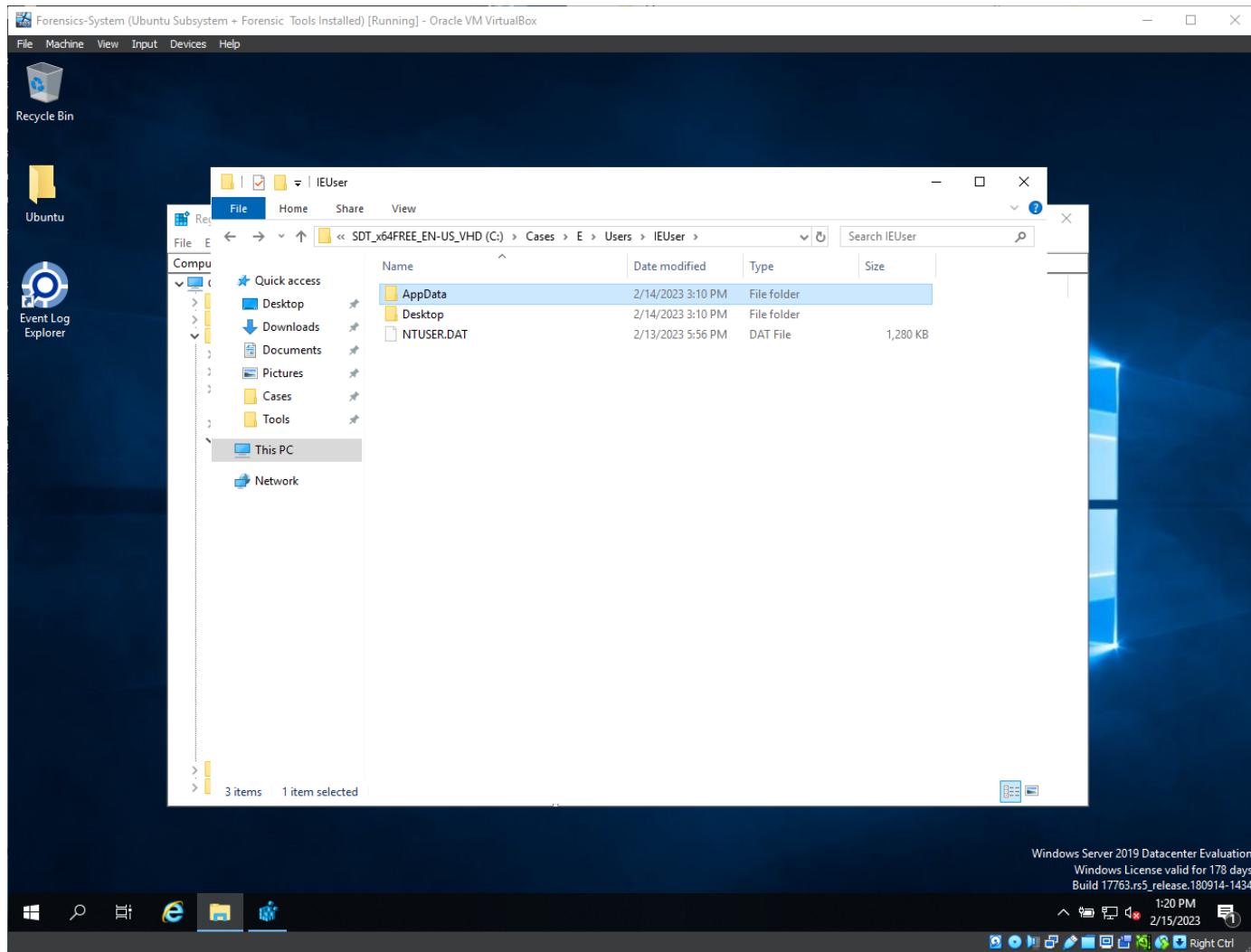
- These files will have an important impact in further forensic analysis.
- In System, is stored information about device drives and service configuration. Important thing to remember, there exists 2 subkeys, ControlSet001 and ControlSet002, Windows will use one of those , in part of its configuration settings.
- We can find the active Control Set from here:

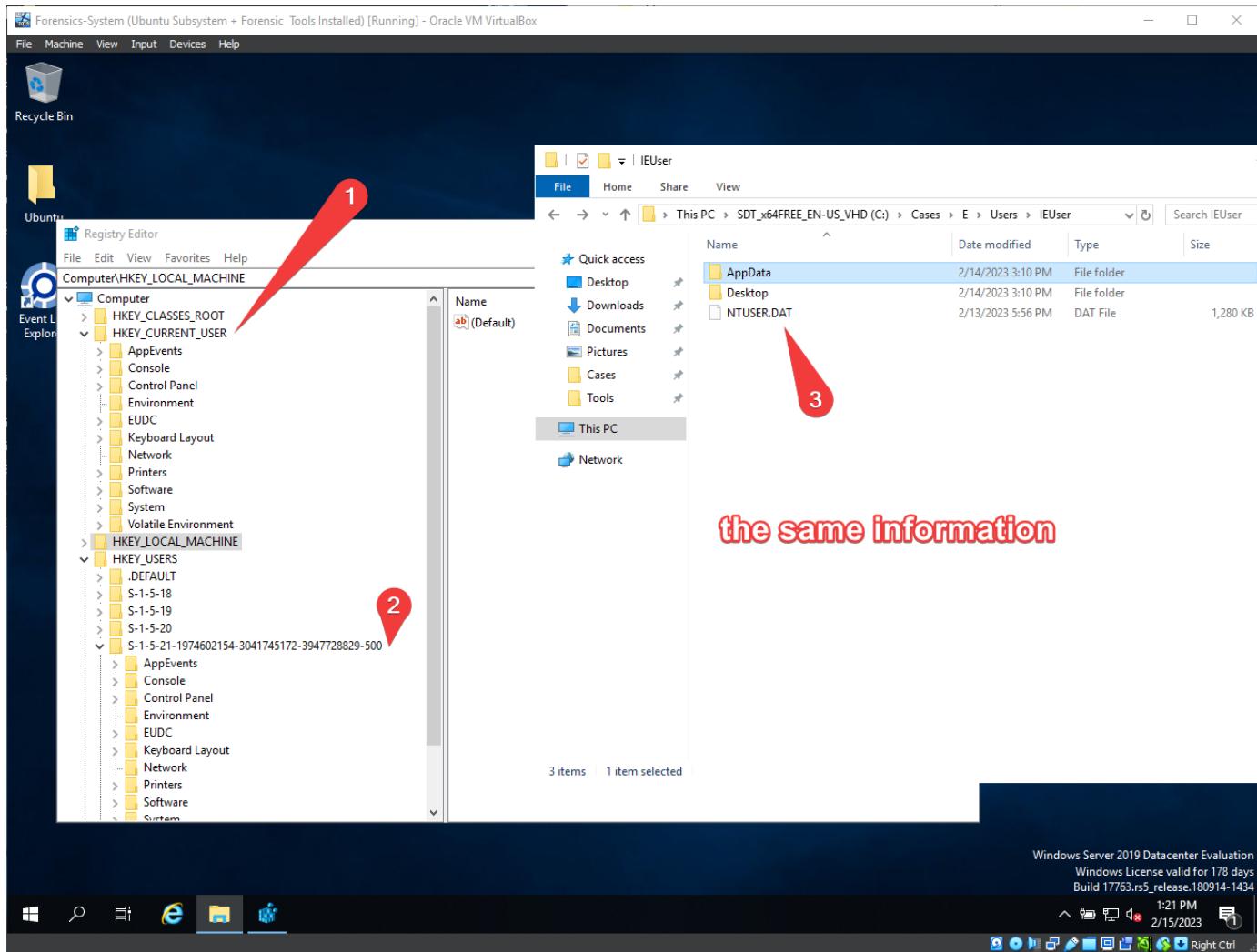


- Registry hives from the evidence:

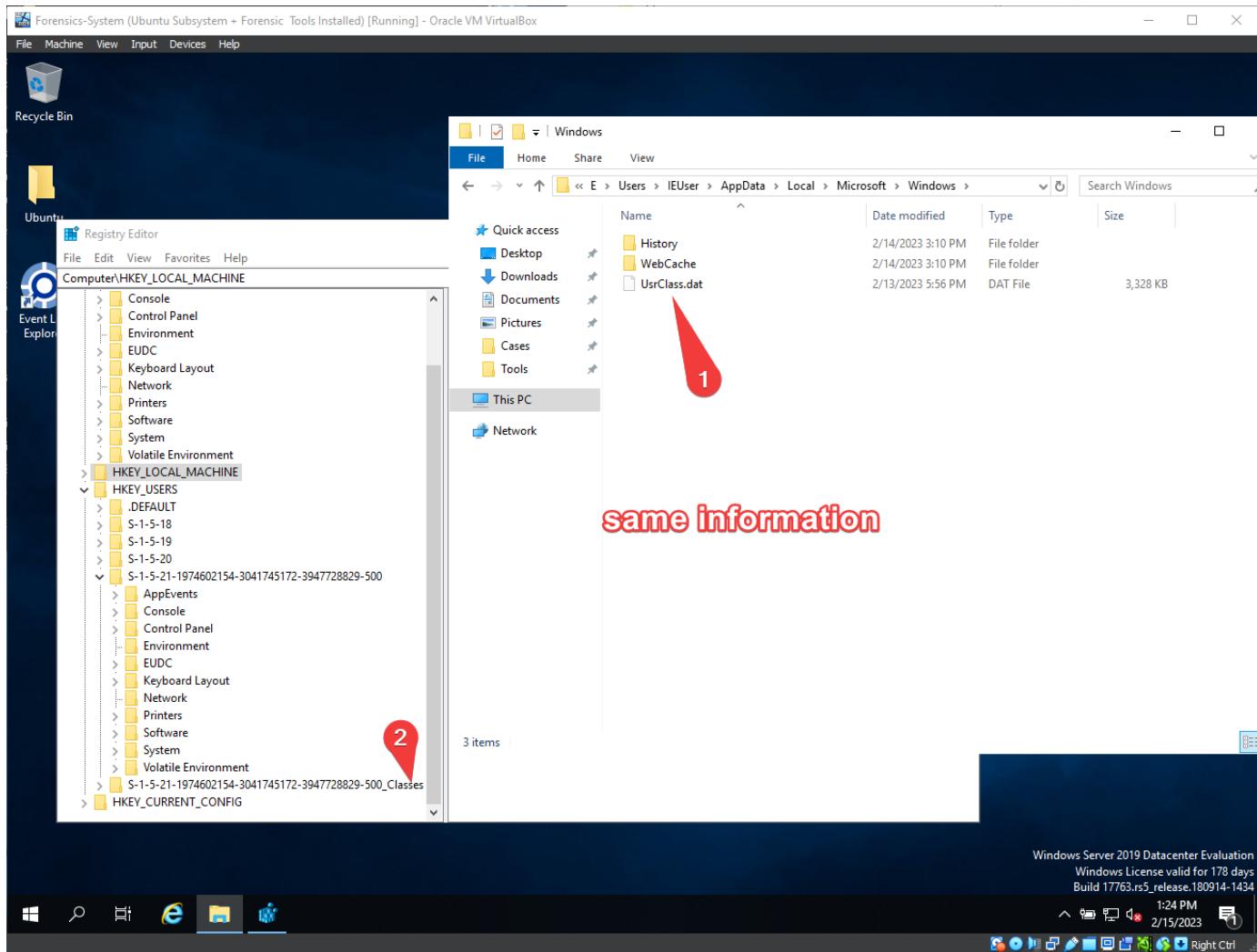


- An user has his particular settings, only if there exists a user profile in the system.
- Location of NTUSER.DAT



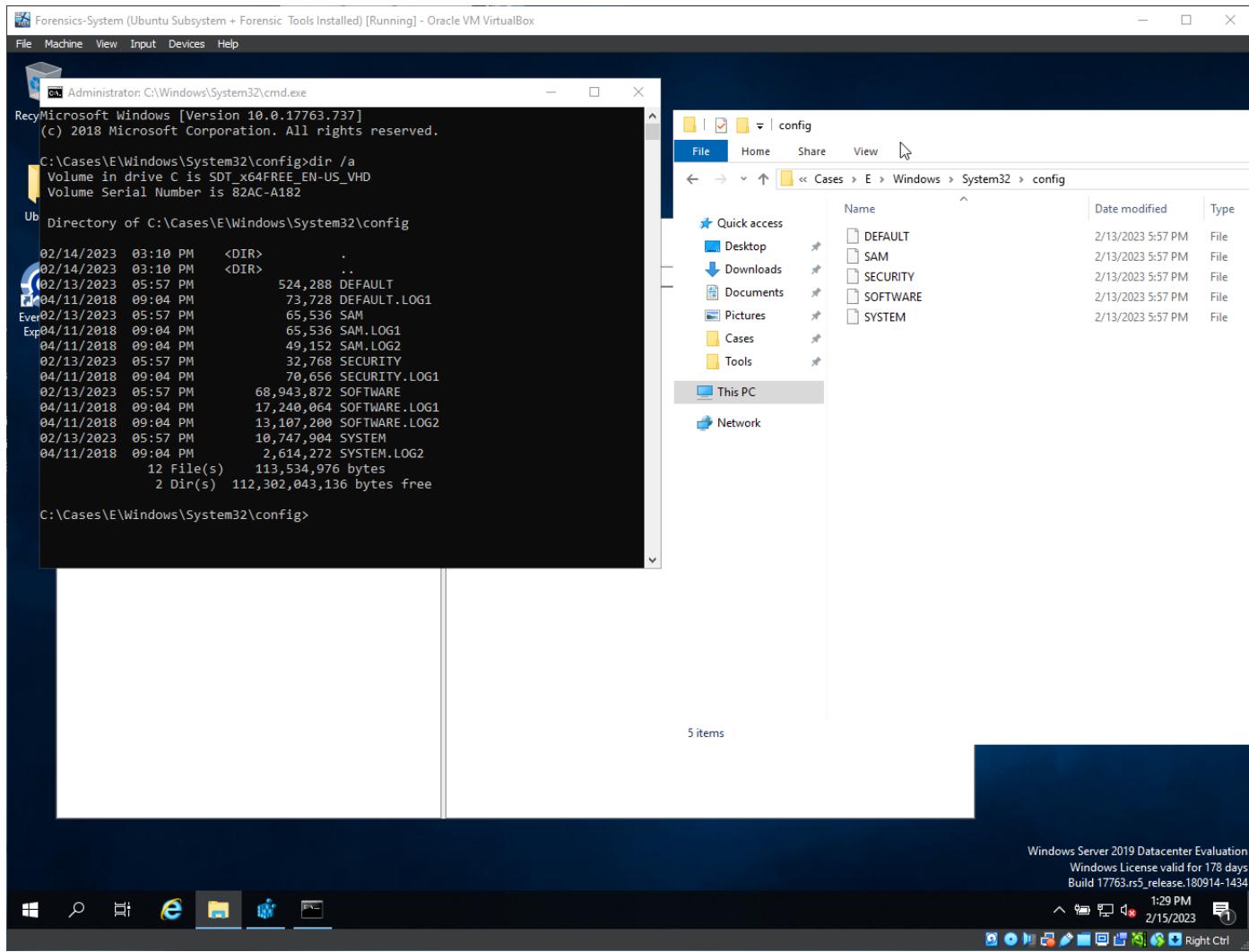


- Another important file for forensic analysis of the user, is users Classes.
- Location of UsrClass.dat



- System registry hives:
 - SAM
 - SECURITY
 - SOFTWARE
 - SYSTEM
- User registry hives:
 - NTUSER.DAT
 - UsrClass.dat

- Transaction logs keeps track of changes and RW to the registry hives only on specific events , for example shutting down the computer.



The following table lists the standard hives and their supporting files.

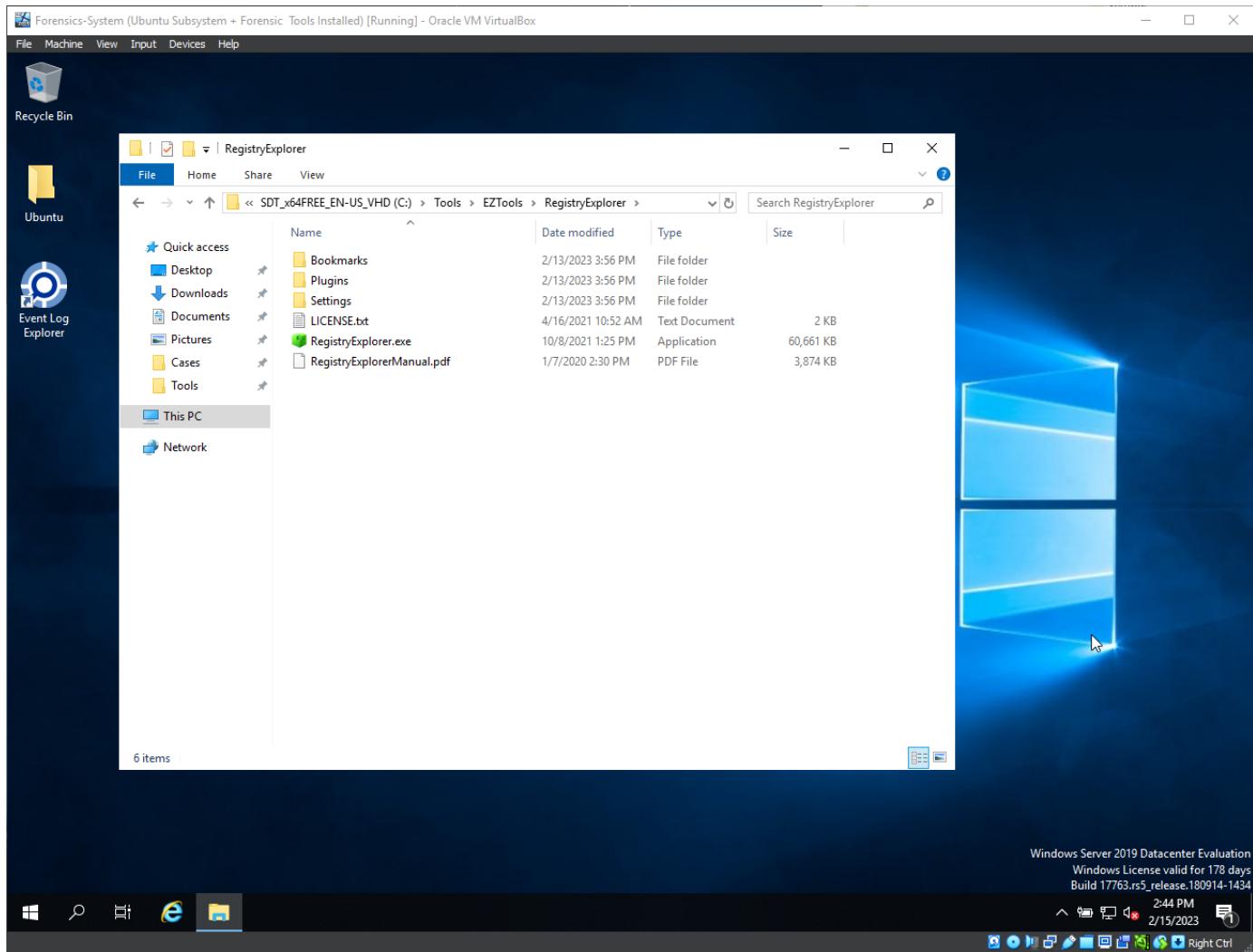
Registry hive	Supporting files
HKEY_CURRENT_CONFIG	System, System.alt, System.log, System.sav
HKEY_CURRENT_USER	Ntuser.dat, Ntuser.dat.log
HKEY_LOCAL_MACHINE\SAM	Sam, Sam.log, Sam.sav
HKEY_LOCAL_MACHINE\Security	Security, Security.log, Security.sav
HKEY_LOCAL_MACHINE\Software	Software, Software.log, Software.sav
HKEY_LOCAL_MACHINE\System	System, System.alt, System.log, System.sav
HKEY_USERS\DEFAULT	Default, Default.log, Default.sav

Recommended content

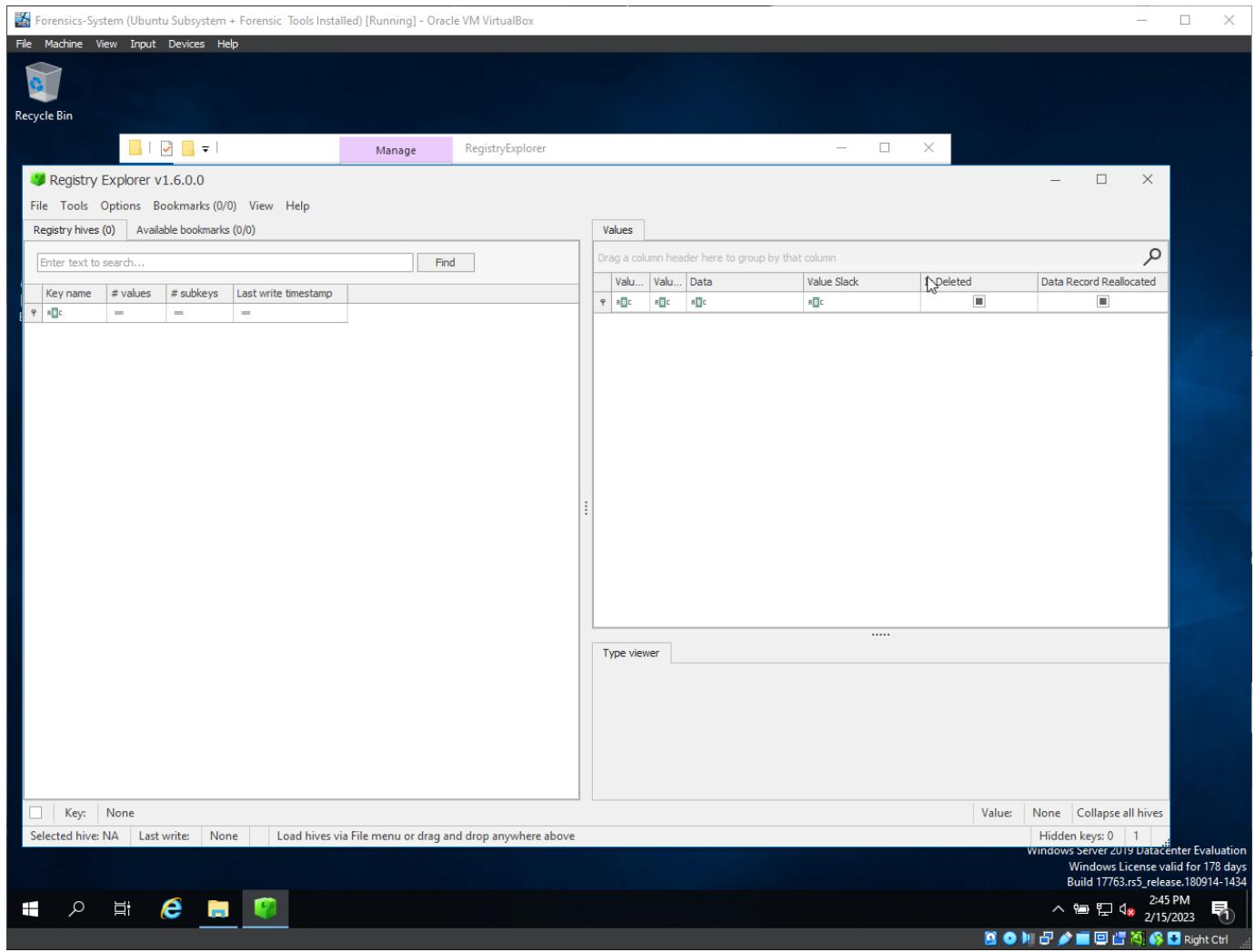
- A registry hive can be “dirty”, that means that the hive hasn’t wrote the latest updates from the transaction logs . If you haven’t turned off the virtual machine , there is a need to merge the transaction logs with the registry hive, in order to create a new one that is updated.,

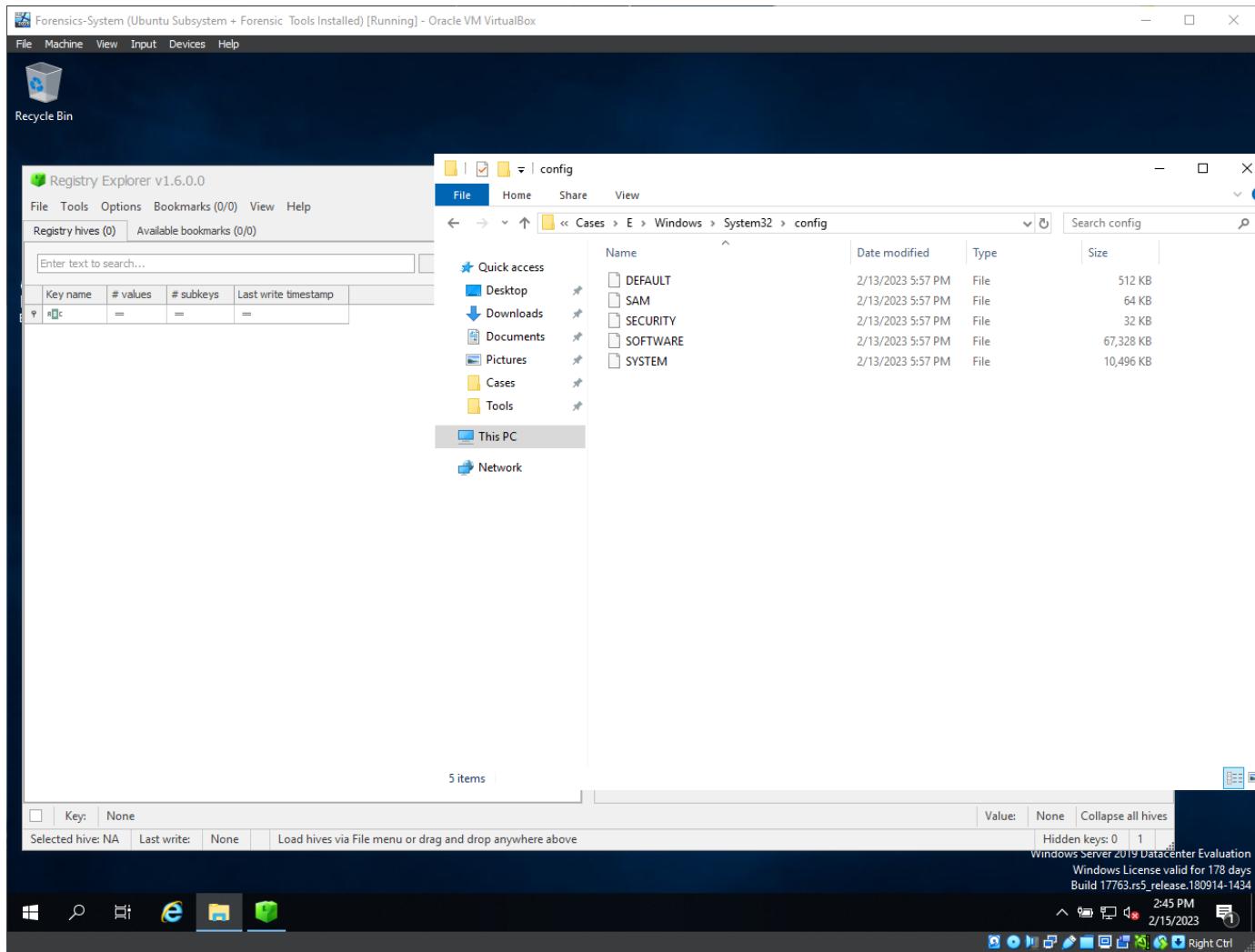
Registry Explorer

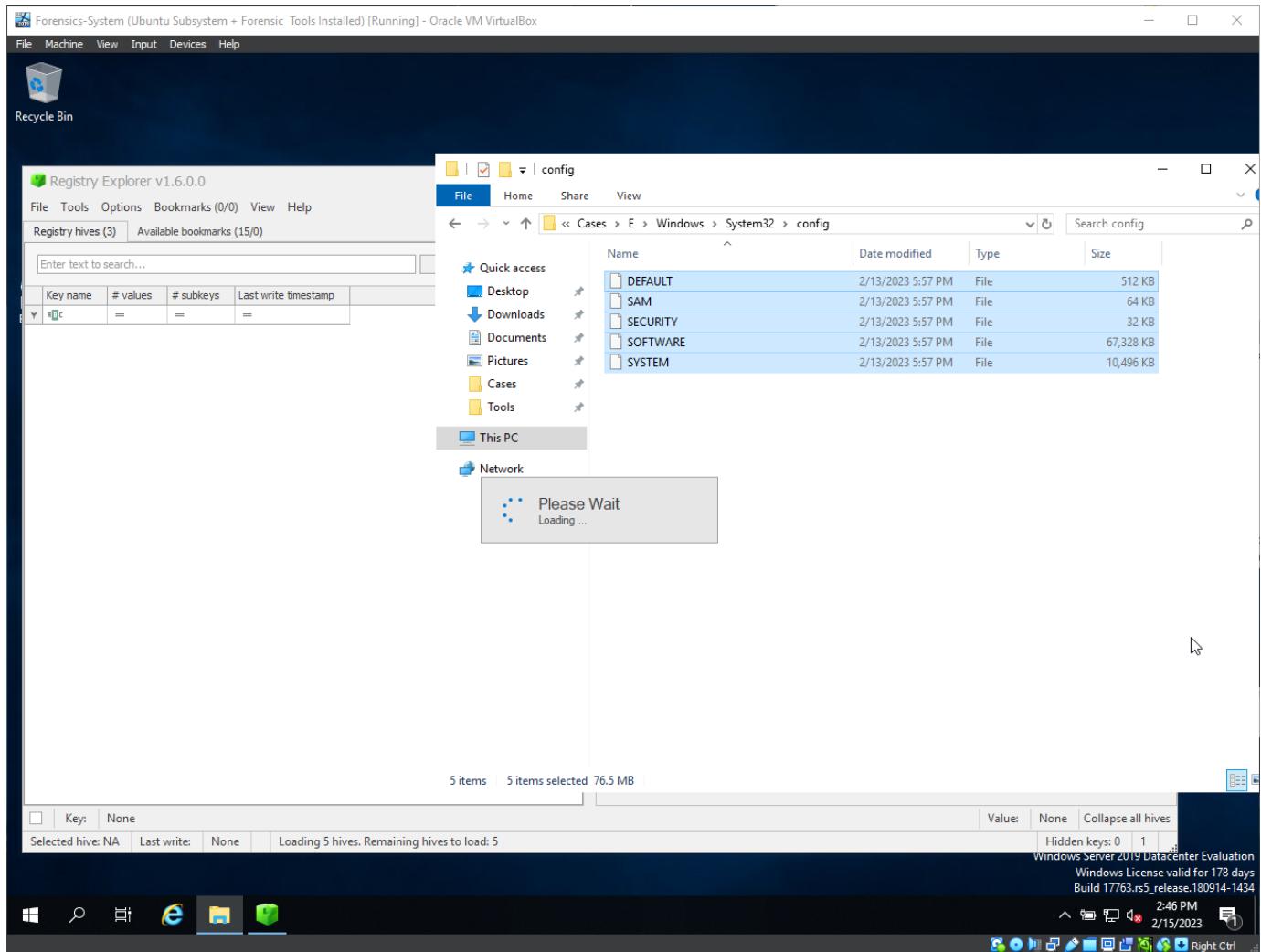
- We will use two tools for parsing registry hives:
 - o Registry Explorer
 - o RegRipper
- Registry Explorer:

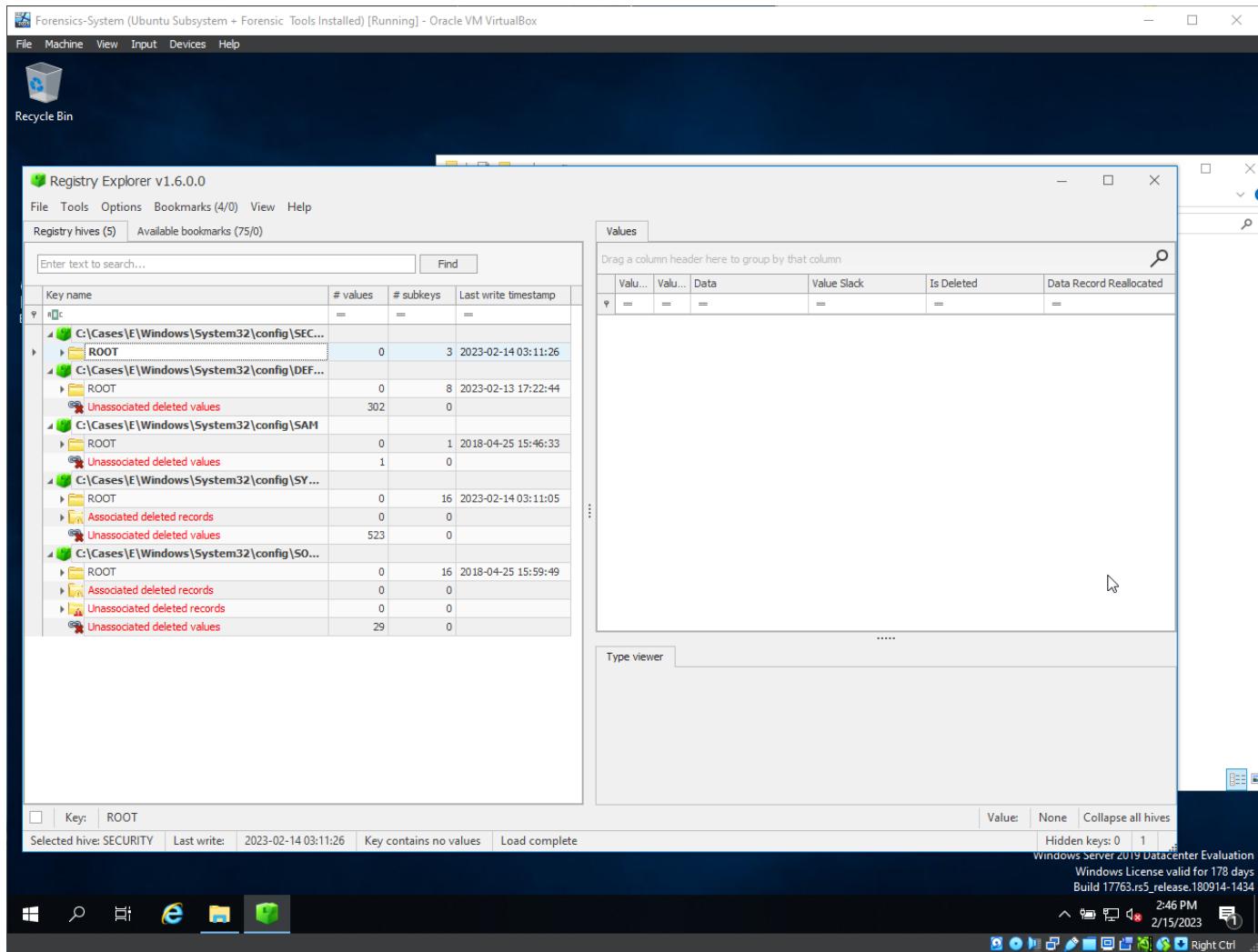


- Drag and drop the system registry files:

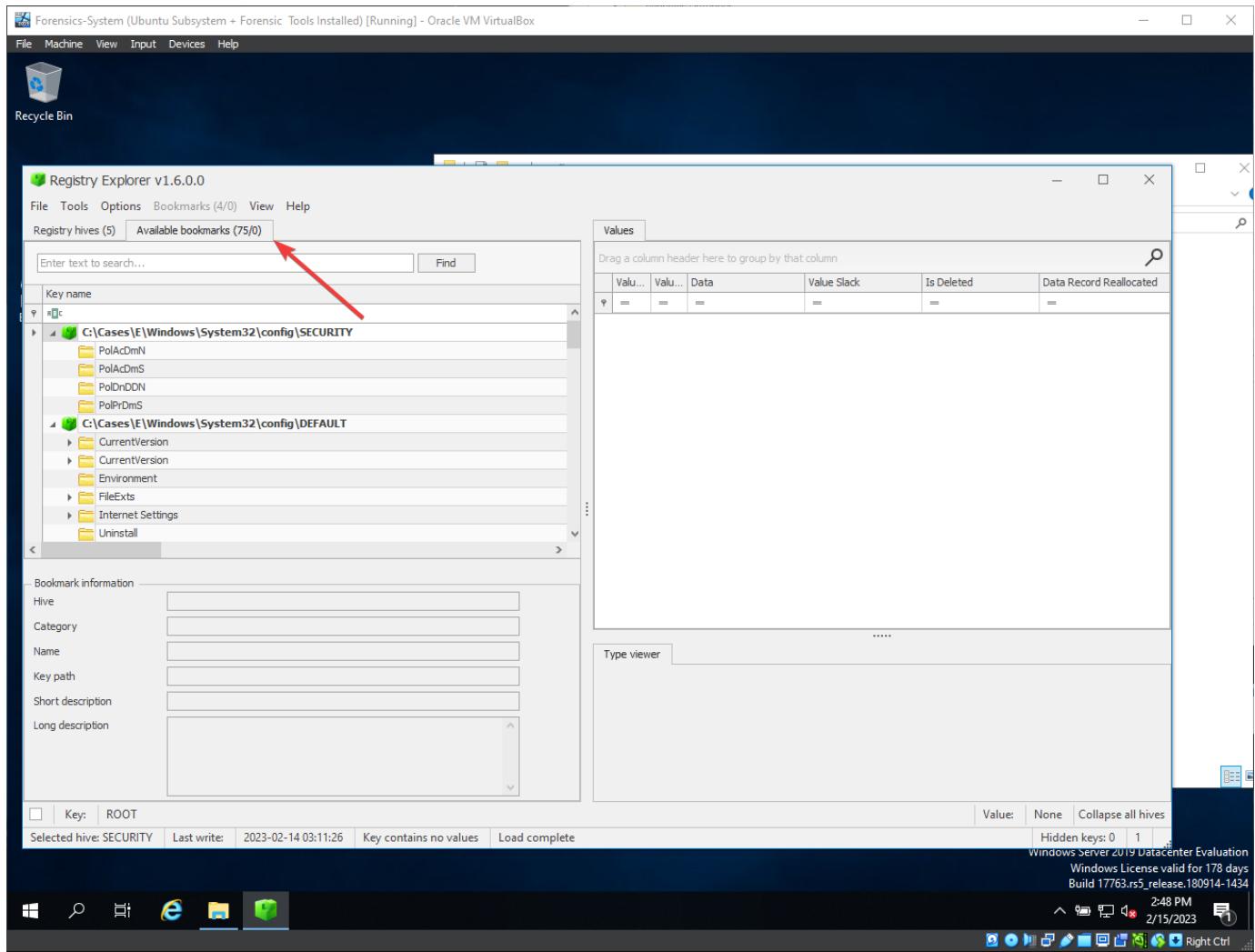








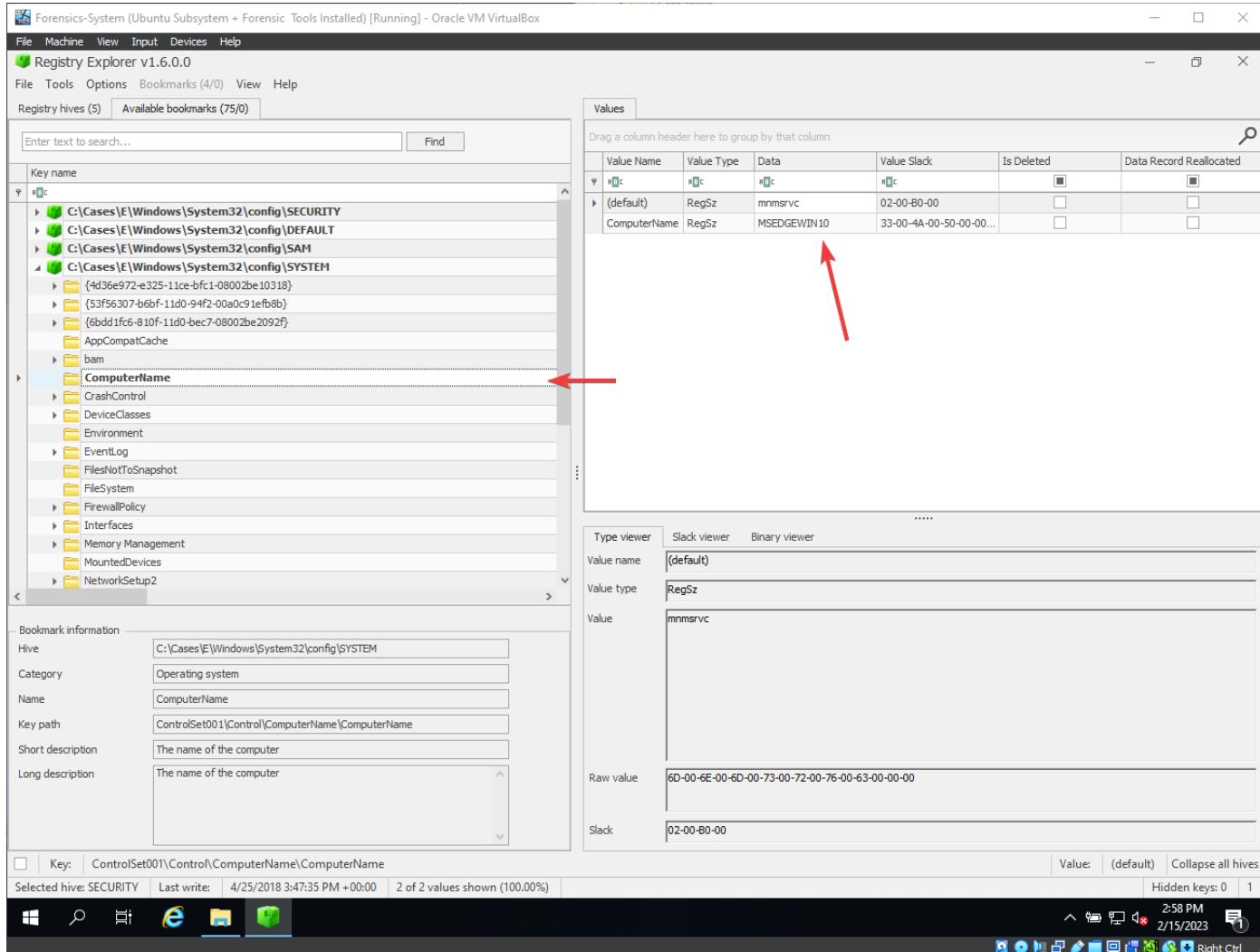
- For better structure, there exists bookmarks:



Starting Investigation

- We will start the investigation by searching for basic information about the system, for each information requested, there exists a location where you can find the information:
- Find System Information:
 - o Computer name
 - HKLM\System\CurrentControlSet\Control\Computer name\
 - o Windows Version
 - HKLM\Software\Microsoft\Windows NT\Currentversion\
 - o Timezone

- HKLM\System\CurrentControlSet\Control\TimeZoneInformation\
- Network Information
 - HKLM\System\CurrentControlSet\Services\Tcpip\Parameters\Interfaces\{interface-name}
- Shutdown time
 - HKLM\System\ControlSet001\Control\Windows\ShutdownTime
- Defender settings
 - HKLM\Software\Microsoft\Windows Defender\
- Computer name:



- You can copy and paste the data:

Screenshot of Registry Explorer v1.6.0 showing the Windows registry hive for 'ComputerName' under 'ControlSet001\Control'. The 'Values' pane displays two entries: '(default)' of type RegSz with data 'mmsrvvc' and 'ComputerName' of type RegSz with data 'MSEdgeWIN10'. A context menu is open over the 'ComputerName' entry, with 'Copy' selected. The status bar at the bottom shows the selected key is 'ControlSet001\Control\ComputerName\ComputerName'.

Value Name	Value Type	Data	Value Slack	Is Deleted	Data Record Reallocated
(default)	RegSz	mmsrvvc	02-00-80-00	<input type="checkbox"/>	<input type="checkbox"/>
ComputerName	RegSz	MSEdgeWIN10	33-00-4A-00-50-00-00	<input type="checkbox"/>	<input type="checkbox"/>

Values pane context menu (open over ComputerName):

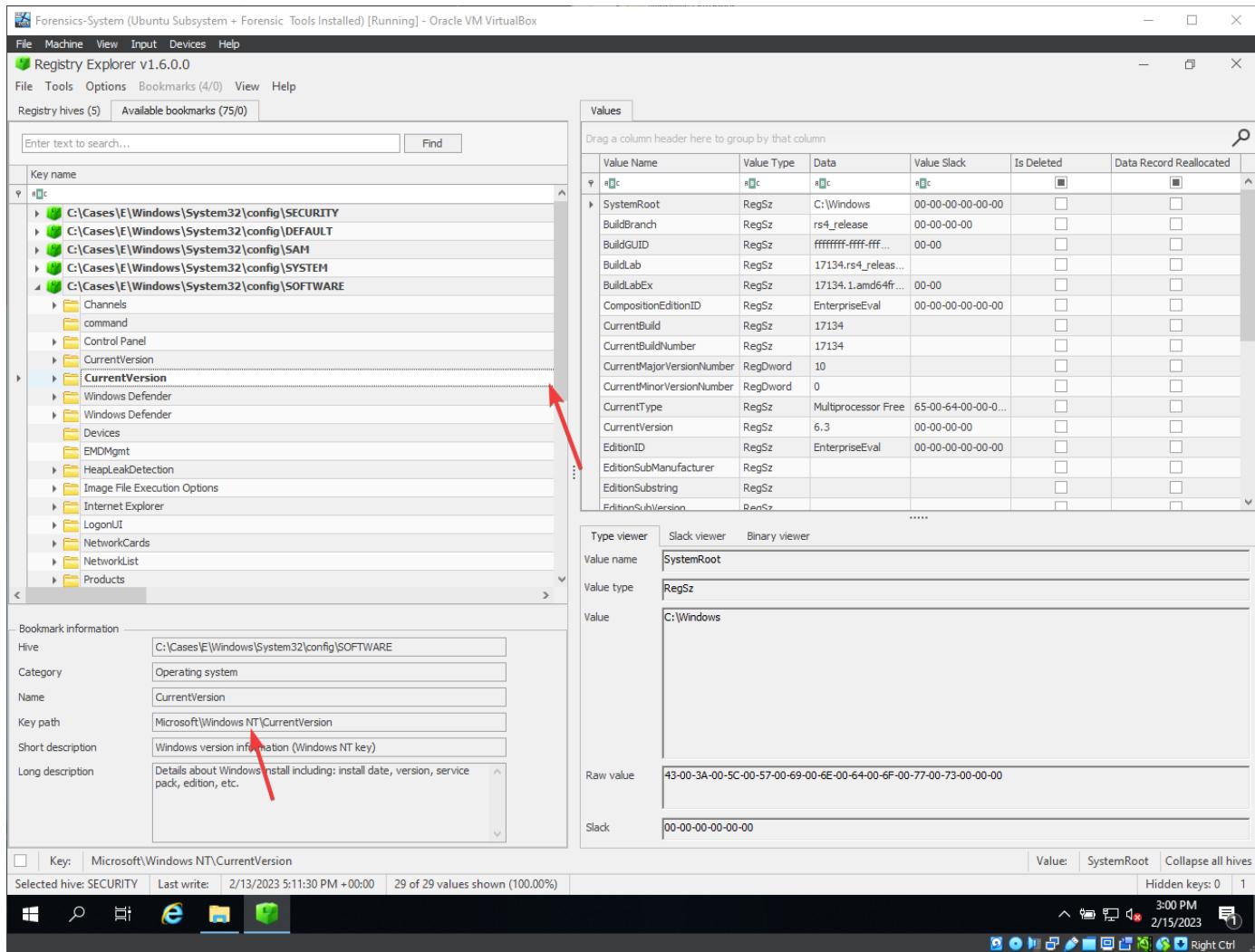
- Export
- Copy
- Value summary
- Value name
- Value type
- Value data (selected)
- Value slack

Type viewer, Value name: ComputerName, Value type: RegSz, Value: MSEdgeWIN10

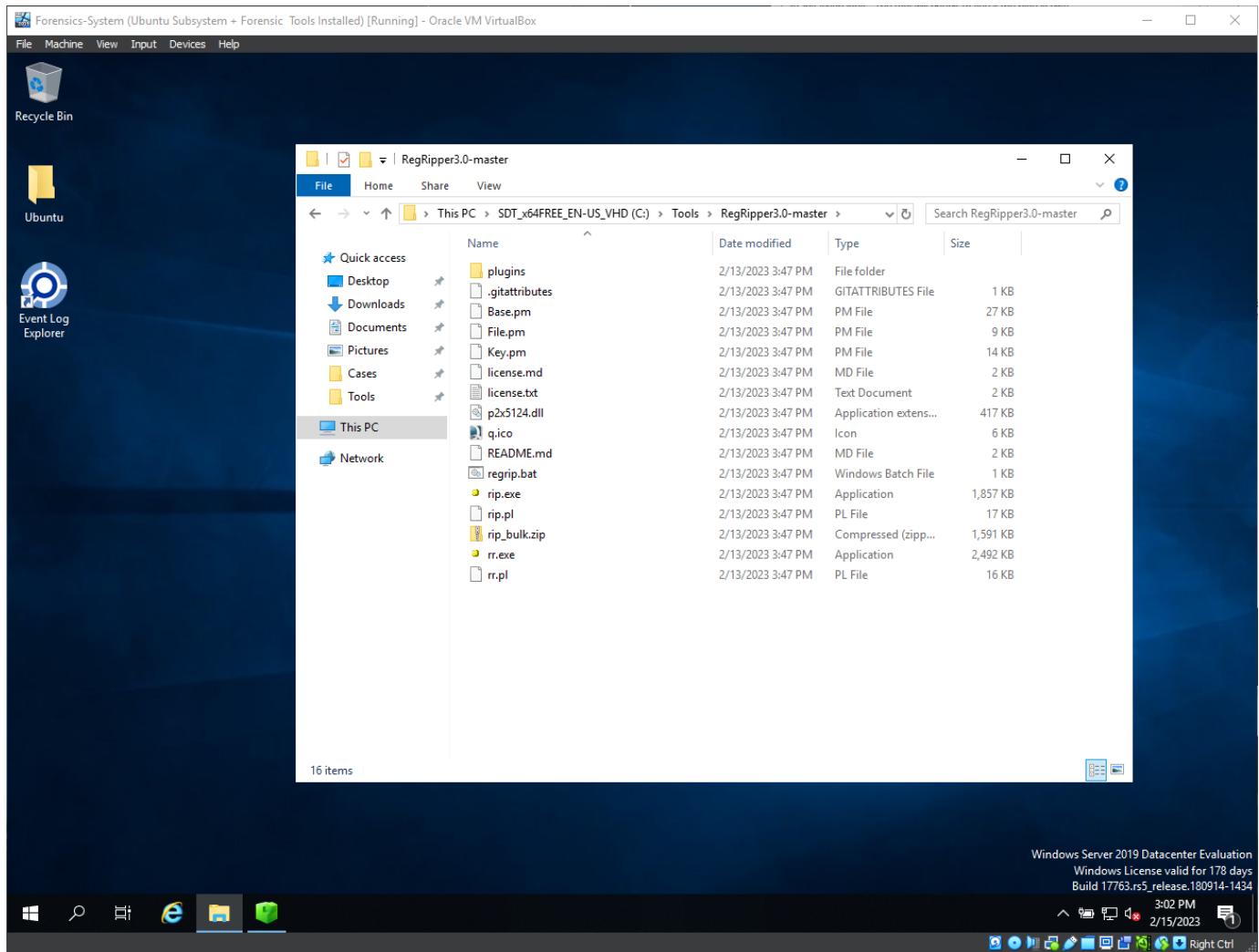
Raw value: 4D-00-53-00-45-00-44-00-47-00-45-00-57-00-49-00-4E-00-31-00-30-00-00-00

Slack: 33-00-4A-00-50-00-00-00-5F-00-7B-00

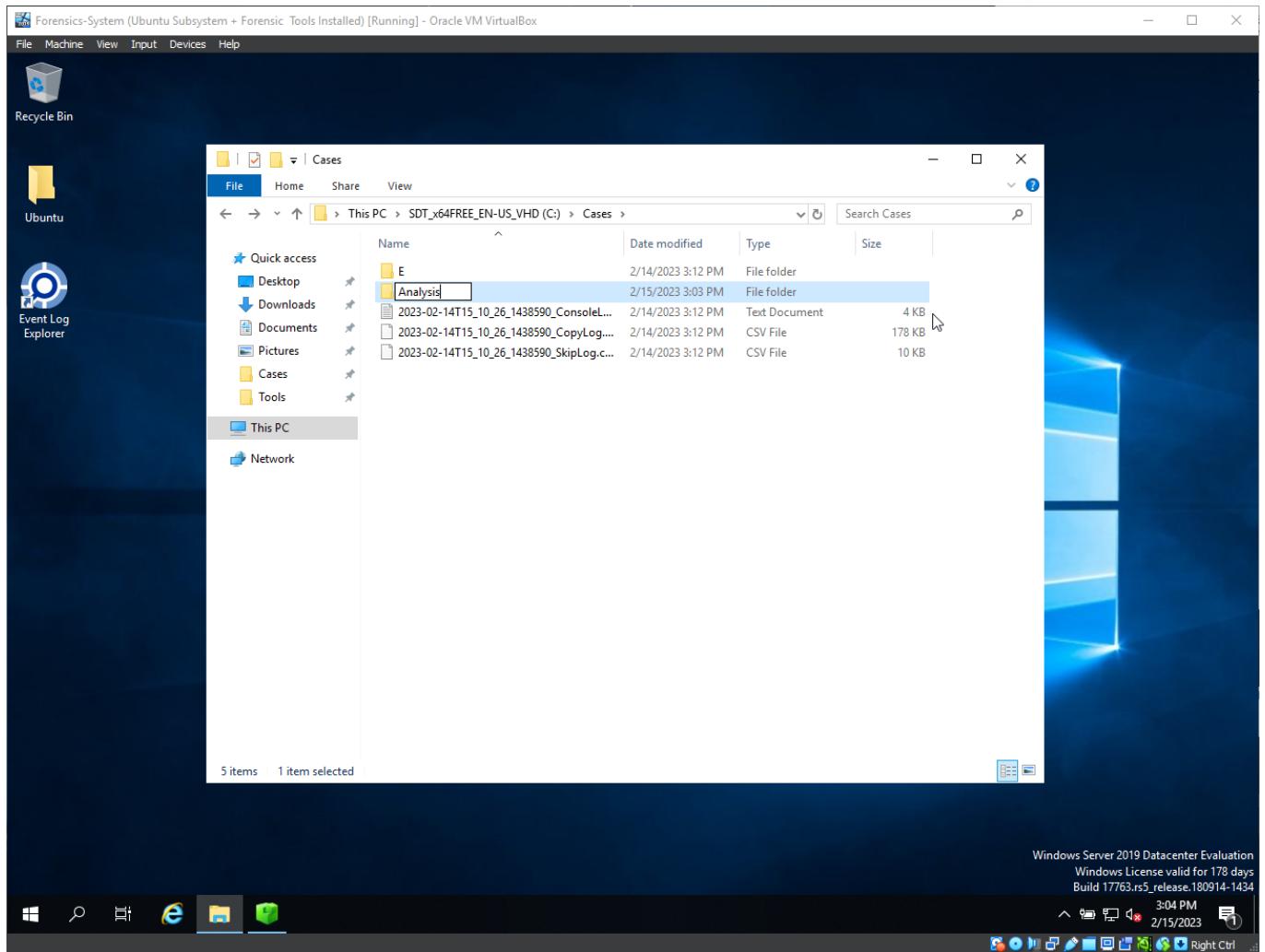
- Answer : MSEdgeWIN10
- Windows Version:



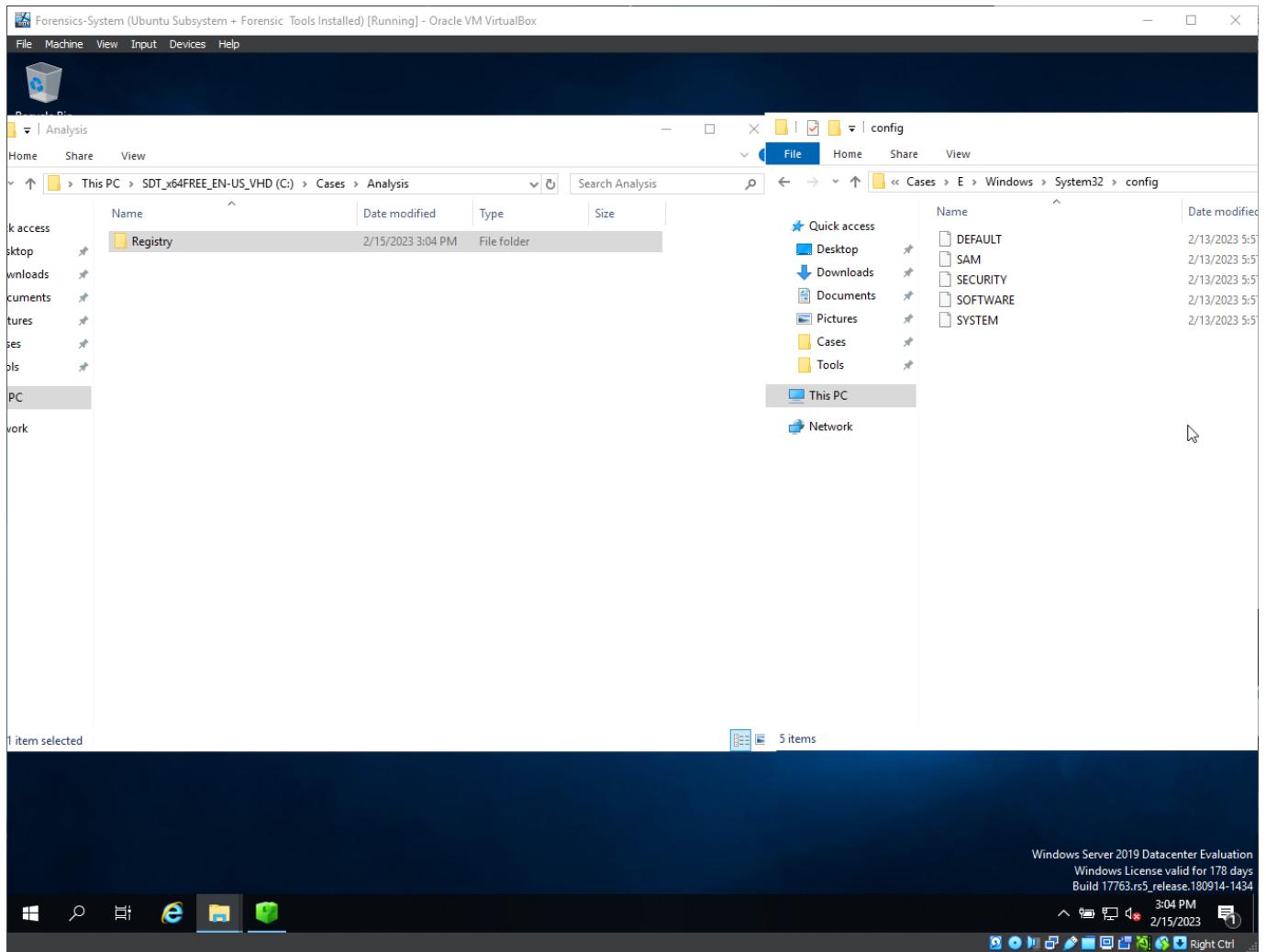
- For easier transfer of evidence data, we will use RegRipper because of easier text structure:

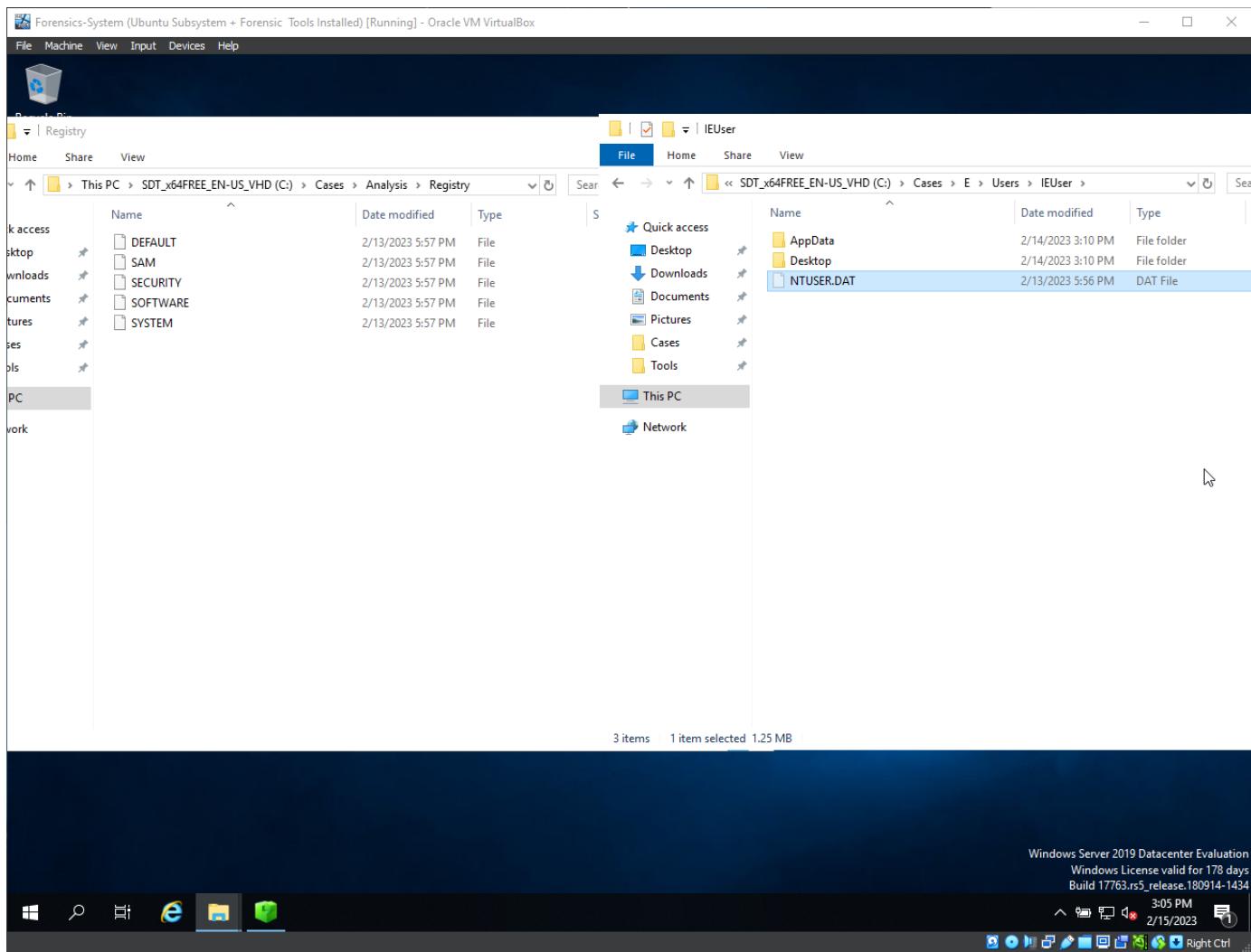


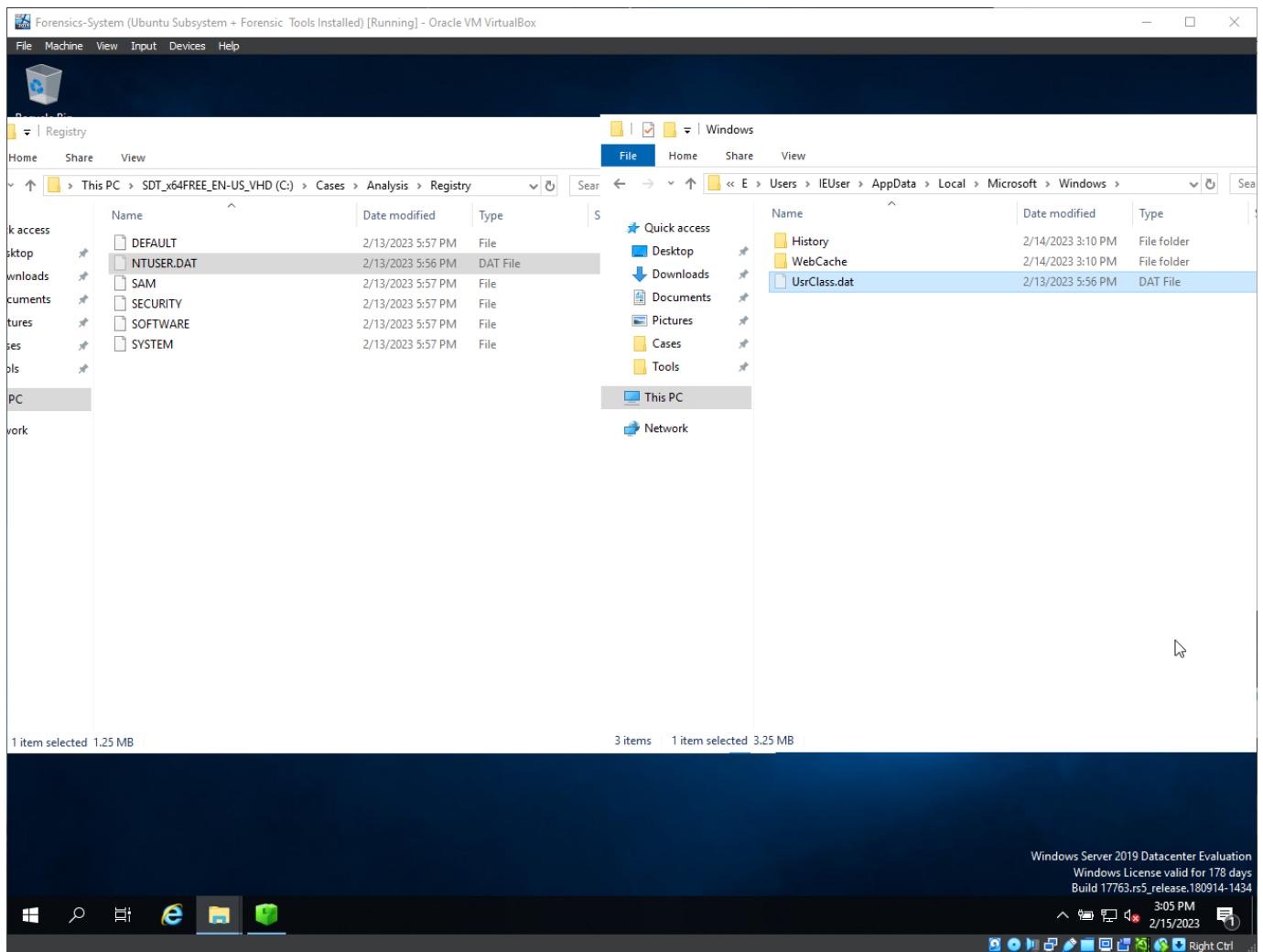
- Create a folder for data analysis , under C:\Cases for gathering information purposes:



- Copy registry system hives and user data hives:

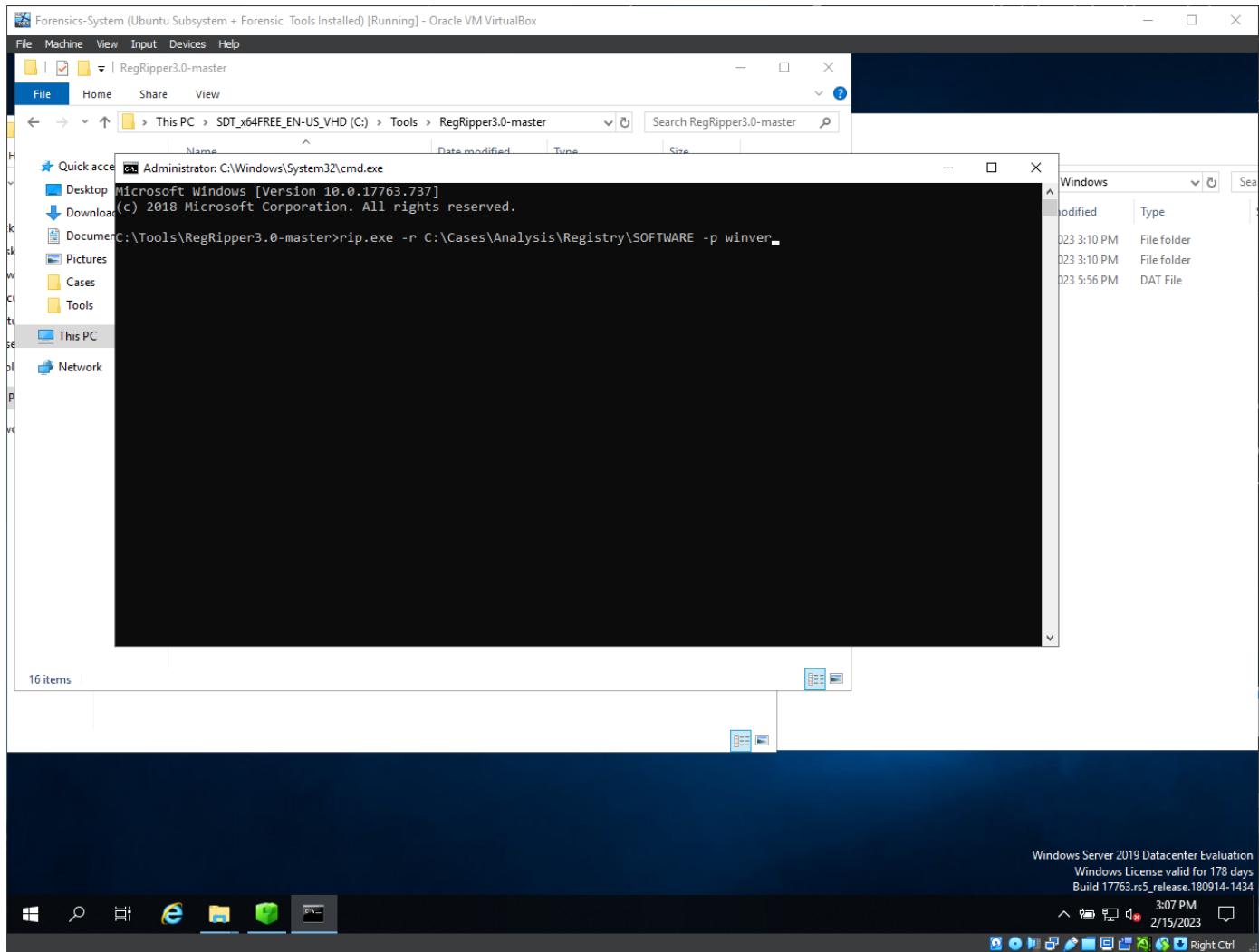


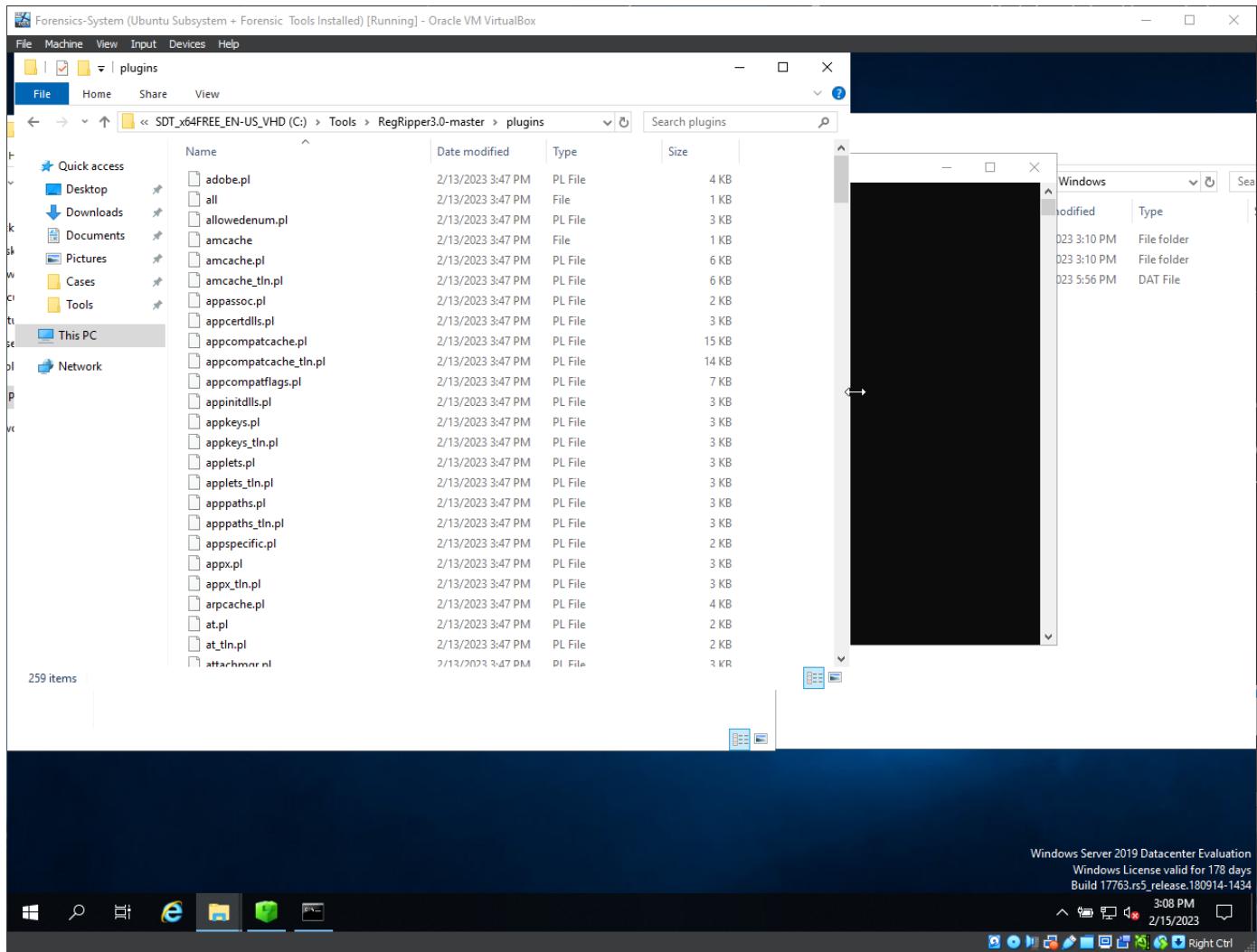


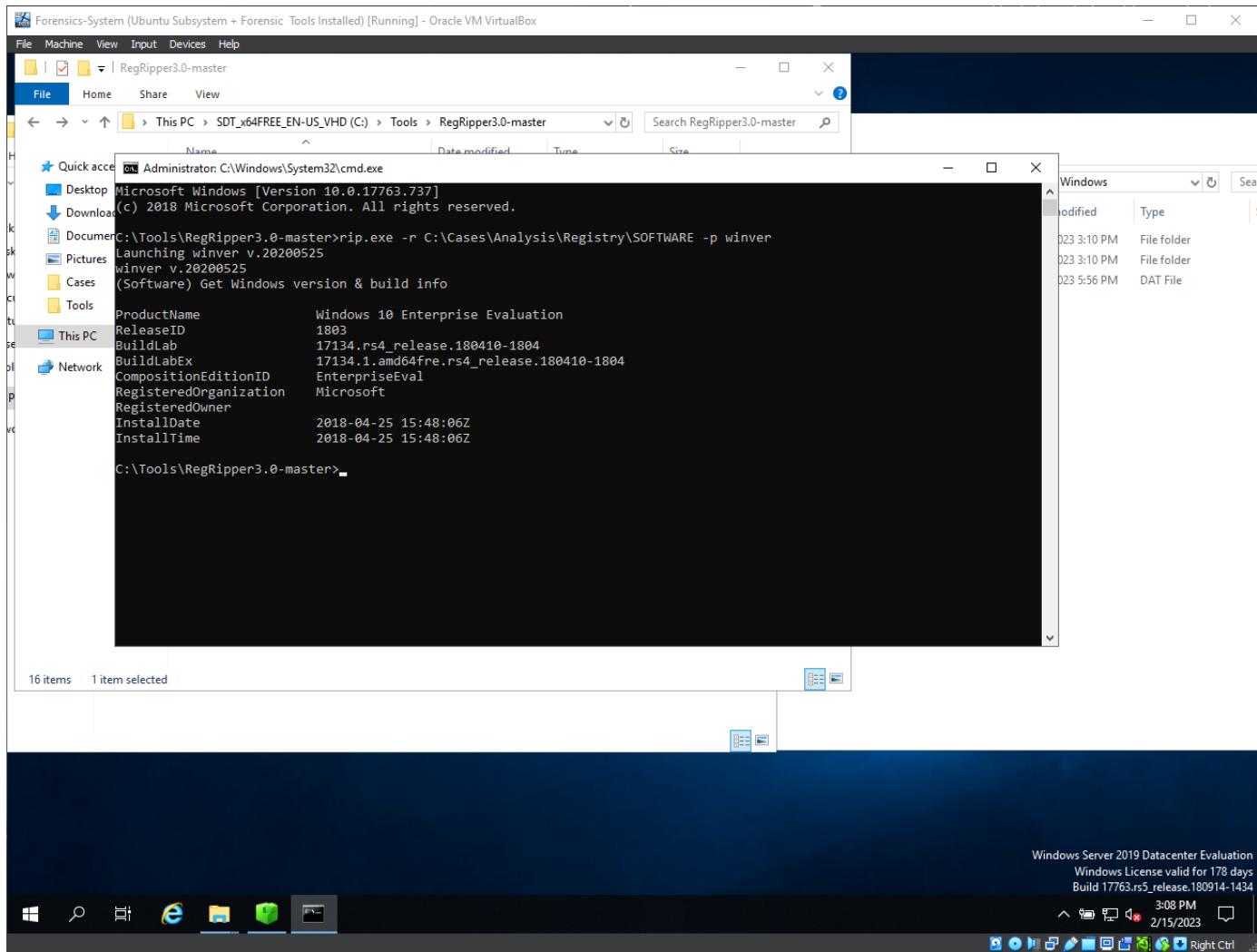


RegRipper

- Using regripper for Windows Information, -p comes from the plugin used by the application to search for windows version, there are multiple plugins that this software uses for data gathering:







- Answer :

ProductName	Windows 10 Enterprise Evaluation
ReleaseID	1803
BuildLab	17134.rs4_release.180410-1804
BuildLabEx	17134.1.amd64fre.rs4_release.180410-1804
CompositionEditionID	EnterpriseEval
RegisteredOrganization	Microsoft
RegisteredOwner	
InstallDate	2018-04-25 15:48:06Z
InstallTime	2018-04-25 15:48:06Z

- You can search for different kinds of plugins that regripper uses for parsing at : <https://hexacorn.com/tools/3r.html>

- Timezone:

The screenshot shows a Windows Server 2019 Datacenter Evaluation system. A command prompt window titled 'Administrator: C:\Windows\System32\cmd.exe' is open, displaying the output of the command 'rip.exe -r C:\Cases\Analysis\Registry\SOFTWARE -p winver'. The output shows the following system information:

```
C:\Tools\RegRipper3.0-master>rip.exe -r C:\Cases\Analysis\Registry\SOFTWARE -p winver
Launching winver v.20200525
(Software) Get Windows version & build info

ProductName      Windows 10 Enterprise Evaluation
ReleaseID        1803
BuildLab         17134.rs4_release.180410-1804
BuildLabEx       17134.1.amd64fre.rs4_release.180410-1804
CompositionEditionID EnterpriseEval
RegisteredOrganization Microsoft
RegisteredOwner
InstallDate      2018-04-25 15:48:06Z
InstallTime      2018-04-25 15:48:06Z
```

Below the command prompt, another command is being typed: 'C:\Tools\RegRipper3.0-master>rip.exe -r C:\Cases\Analysis\Registry\SYSTEM -p timezone'. The taskbar at the bottom indicates the system is a 'Windows Server 2019 Datacenter Evaluation' with a license valid for 178 days.

- Pay attention at details, the registry is changed from SOFTWARE to SYSTEM.

```

Forensics-System (Ubuntu Subsystem + Forensic Tools Installed) [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
File Home Share View
This PC > SDT_x64FREE_EN-US_VHD (C) > Tools > RegRipper3.0-master
Search RegRipper3.0-master
Administrator: C:\Windows\System32\cmd.exe
C:\Tools\RegRipper3.0-master>rip.exe -r C:\Cases\Analysis\Registry\SOFTWARE -p winver
Launching winver v.20200525
winver v.20200525
(Software) Get Windows version & build info
ProductName      Windows 10 Enterprise Evaluation
ReleaseID        1803
BuildLab         17134.rs4_release.180410-1804
BuildLabEx       17134.1.amd64fre.rs4_release.180410-1804
CompositionEditionID EnterpriseEval
RegisteredOrganization Microsoft
RegisteredOwner
InstallDate      2018-04-25 15:48:06Z
InstallTime      2018-04-25 15:48:06Z

C:\Tools\RegRipper3.0-master>rip.exe -r C:\Cases\Analysis\Registry\SYSTEM -p timezone
Launching timezone v.20200518
timezone v.20200518
(System) Get TimeZoneInformation key contents

TimeZoneInformation key
ControlSet001\Control\TimeZoneInformation
LastWrite Time 2023-02-14 02:03:10Z
DaylightName   -> @tzres.dll,-211
StandardName   -> @tzres.dll,-212
Bias           -> 480 (8 hours)
ActiveTimeBias -> 480 (8 hours)
TimeZoneKeyName-> Pacific Standard Time

C:\Tools\RegRipper3.0-master>

```

16 items | 1 item selected

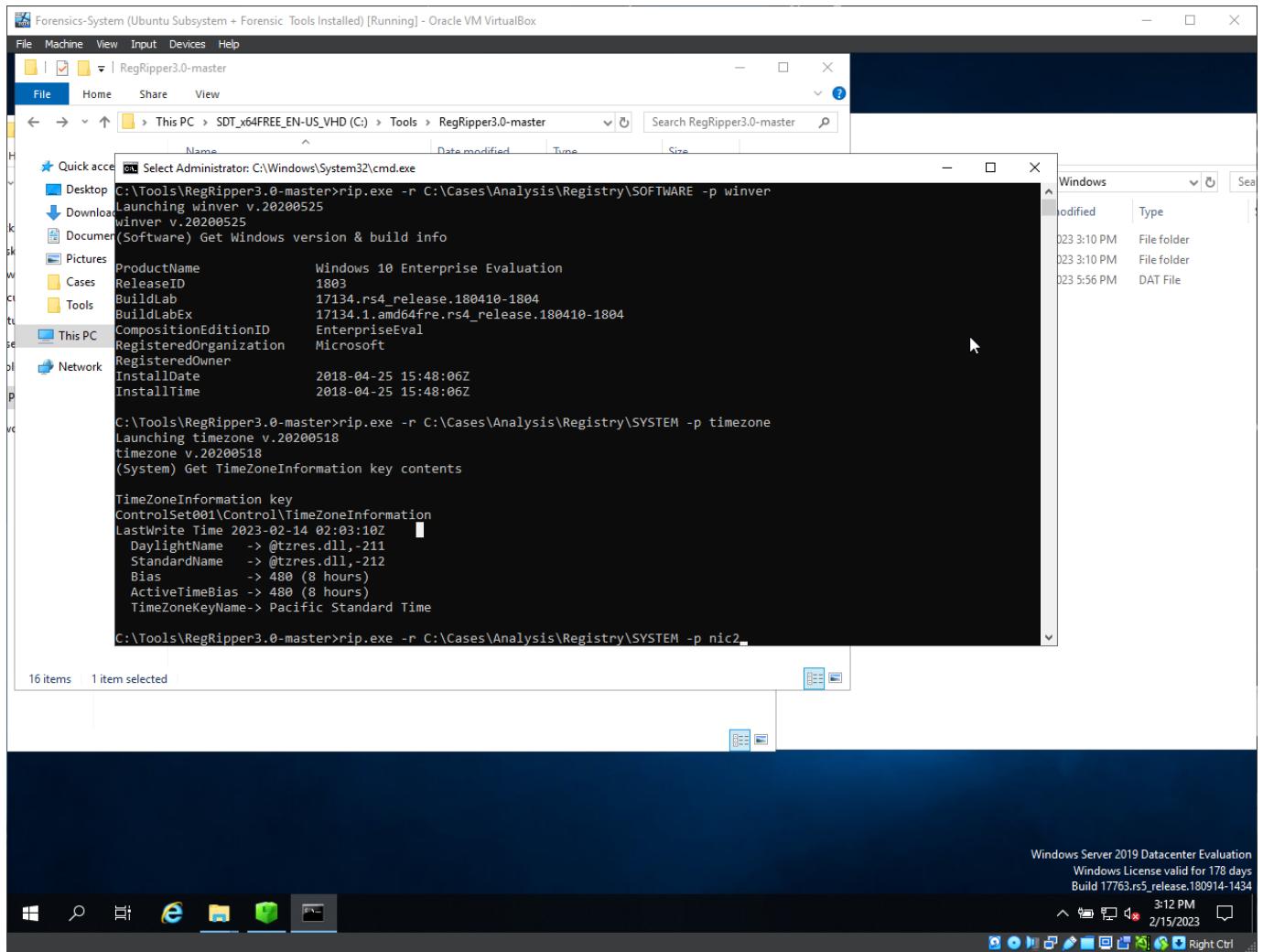
Windows Server 2019 Datacenter Evaluation
Windows License valid for 178 days
Build 17763.rs5_release.180914-1434

3:11 PM 2/15/2023 Right Ctrl

- Answer :

TimeZoneKeyName-> Pacific Standard Time

- Network Information:



- Answer :

DhcpIpAddress **10.0.2.15**

DhcpSubnetMask **255.255.255.0**

DhcpServer **10.0.2.2**

DhcpNameServer **1.1.1.1 1.0.0.1 192.168.100.1**

DhcpDefaultGateway **10.0.2.2**

DhcpSubnetMaskOpt **255.255.255.0**

- Shutdown time:

```

Administrator: C:\Windows\System32\cmd.exe
Lease 86400
LeaseObtainedTime 1970-01-01 00:00:24Z
T1 1970-01-01 12:00:24Z
T2 1970-01-01 21:00:24Z
LeaseTerminatesTime 1970-01-02 00:00:24Z
AddressType 0
IsServerNapAware 0
DhcpConnForceBroadcastFlag 0
DhcpNameServer 1.1.1.1 1.0.0.1 192.168.100.1
DhcpDefaultGateway 10.0.2.2
DhcpSubnetMaskOpt 255.255.255.0
DhcpInterfaceOptions
  Adapter: (e6ebfaf4-2b9b-4f53-a957-300c39b2f7d5)
  LastWrite Time: 2018-04-25 15:46:34Z
    EnableDHCP 1
    Domain
    NameServer
ControlSet001\Services\Tcpip\Parameters\Interfaces has no subkeys.
Adapter: (e6ebfaf4-2b9b-4f53-a957-300c39b2f7d5)
LastWrite Time: 2018-04-25 15:46:34Z
  EnableDHCP 1
  Domain
  NameServer
ControlSet001\Services\Tcpip\Parameters\Interfaces has no subkeys.

C:\Tools\RegRipper3.0-master>rip.exe -r C:\Cases\Analysis\Registry\SYSTEM -p shutdown

```

16 items 1 item selected

Windows Server 2019 Datacenter Evaluation
Windows License valid for 178 days
Build 17763.rs5_release.180914-1434

3:15 PM 2/15/2023 Right Ctrl

- Answer :

LastWrite time: 2023-02-13 17:57:05Z

ShutdownTime : 2023-02-13 17:57:05Z

- Defender settings:

```

Administrator: C:\Windows\System32\cmd.exe
ControlSet001\Control\Windows key, ShutdownTime value
LastWrite time: 2023-02-13 17:57:05Z
ShutdownTime : 2023-02-13 17:57:05Z

C:\Tools\RegRipper3.0-master>rip.exe -r C:\Cases\Analysis\Registry\SOFTWARE -p defender
Launching defender v.20200427
defender v.20200427
(Software) Get Windows Defender settings

Key path: Microsoft\Windows Defender
LastWrite Time 2023-02-13 17:11:30Z

Key path: Microsoft\Windows Defender\Exclusions\Paths
Key path: Microsoft\Windows Defender\Exclusions\Extensions
Key path: Microsoft\Windows Defender\Exclusions\Processes
Key path: Microsoft\Windows Defender\Exclusions\TemporaryPaths
Key path: Microsoft\Windows Defender\Exclusions\IpAddresses
Key path: Microsoft\Windows Defender\Real-Time Protection
LastWrite Time: 2023-02-13 17:13:46Z
DisableRealtimeMonitoring value = 1 ←
Key path: Policies\Microsoft\Windows Defender
LastWrite Time 2018-04-25 15:46:42Z

Key path: Policies\Microsoft\Windows Defender\Exclusions\Paths
Key path: Policies\Microsoft\Windows Defender\Exclusions\Extensions
Key path: Policies\Microsoft\Windows Defender\Exclusions\Processes
Key path: Policies\Microsoft\Windows Defender\Exclusions\TemporaryPaths
Key path: Policies\Microsoft\Windows Defender\Exclusions\IpAddresses

C:\Tools\RegRipper3.0-master>

```

the windows defender
realtime protection has
been disabled

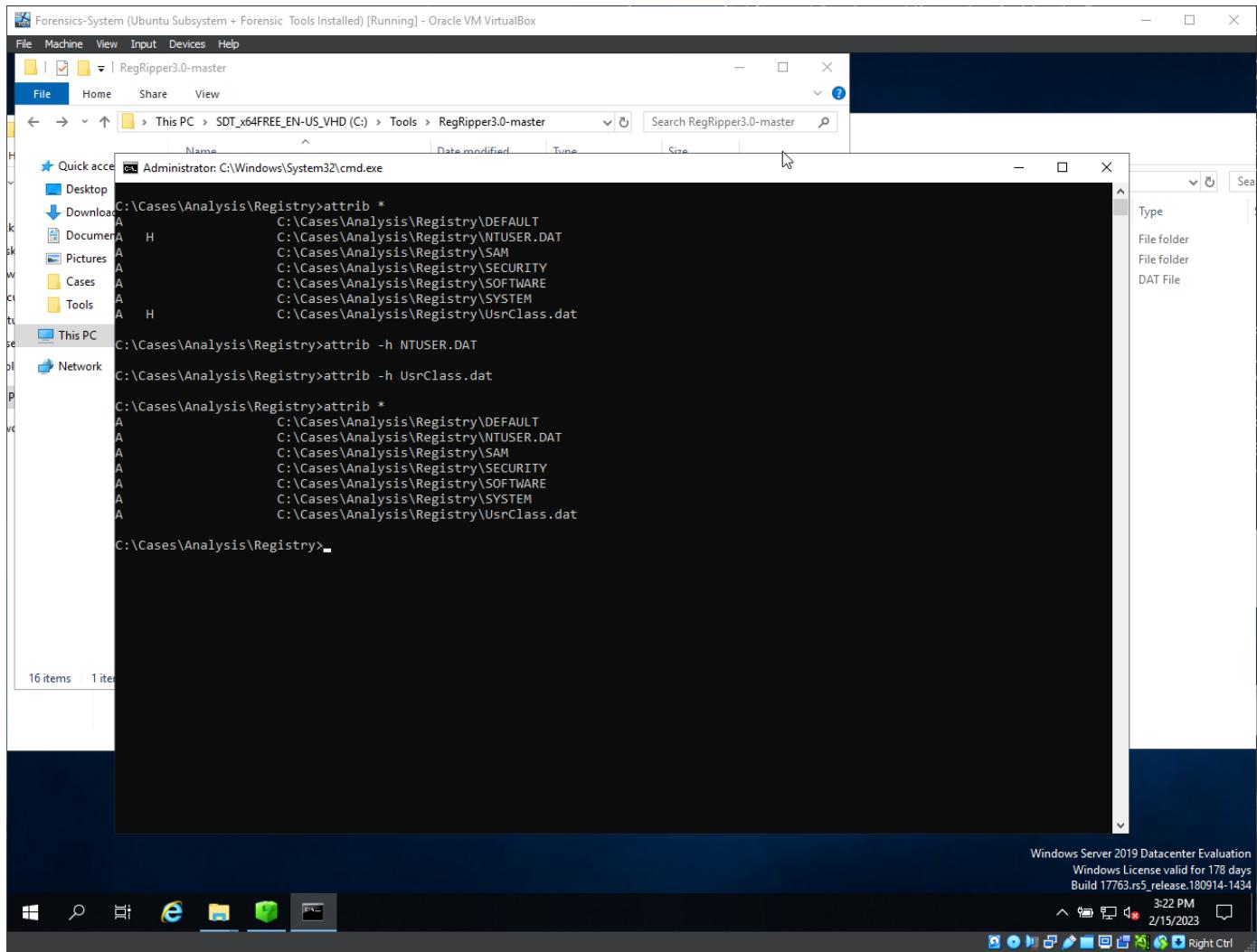
- Answer :

Key path: Microsoft\Windows Defender\Real-Time Protection

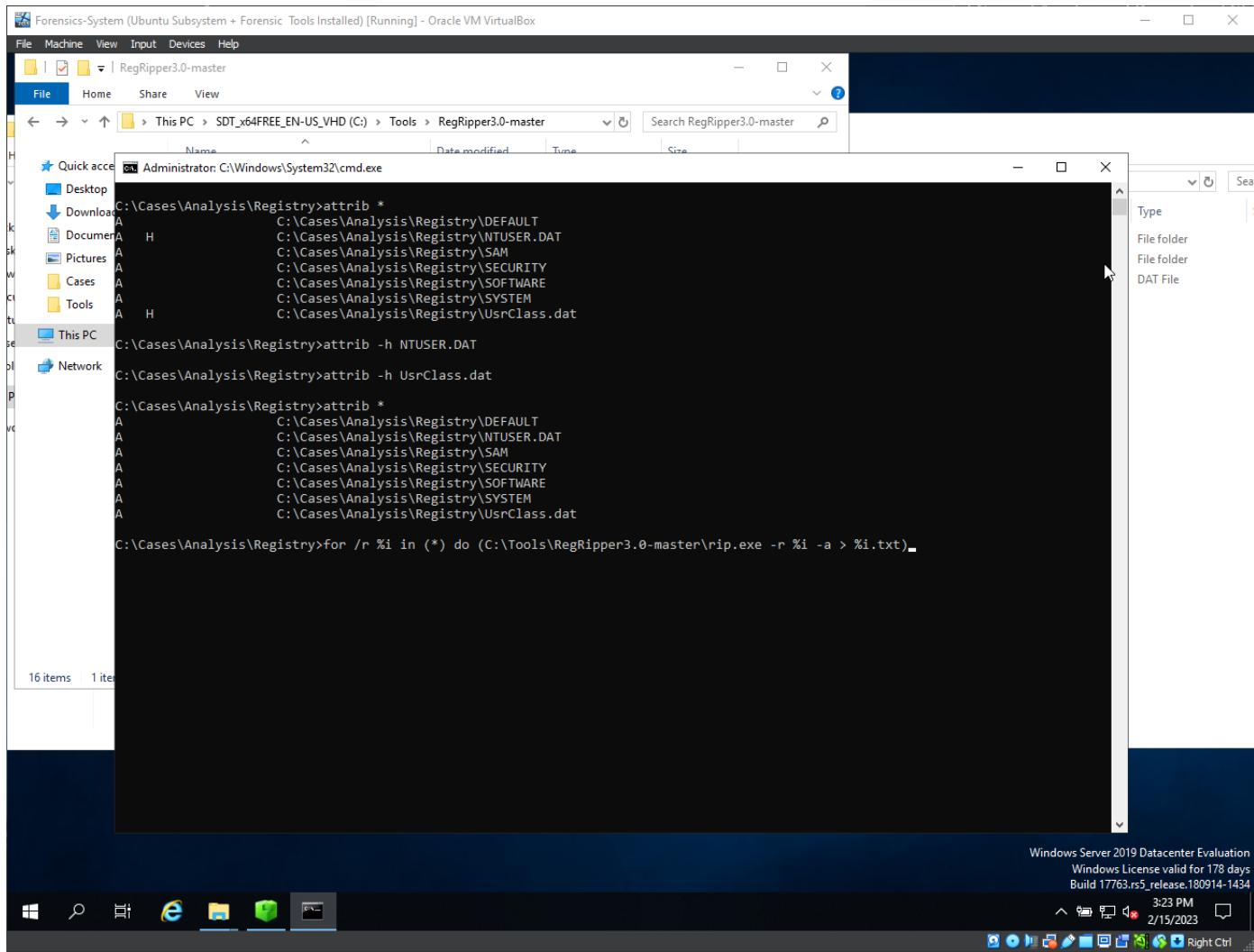
LastWrite Time: 2023-02-13 17:13:46Z

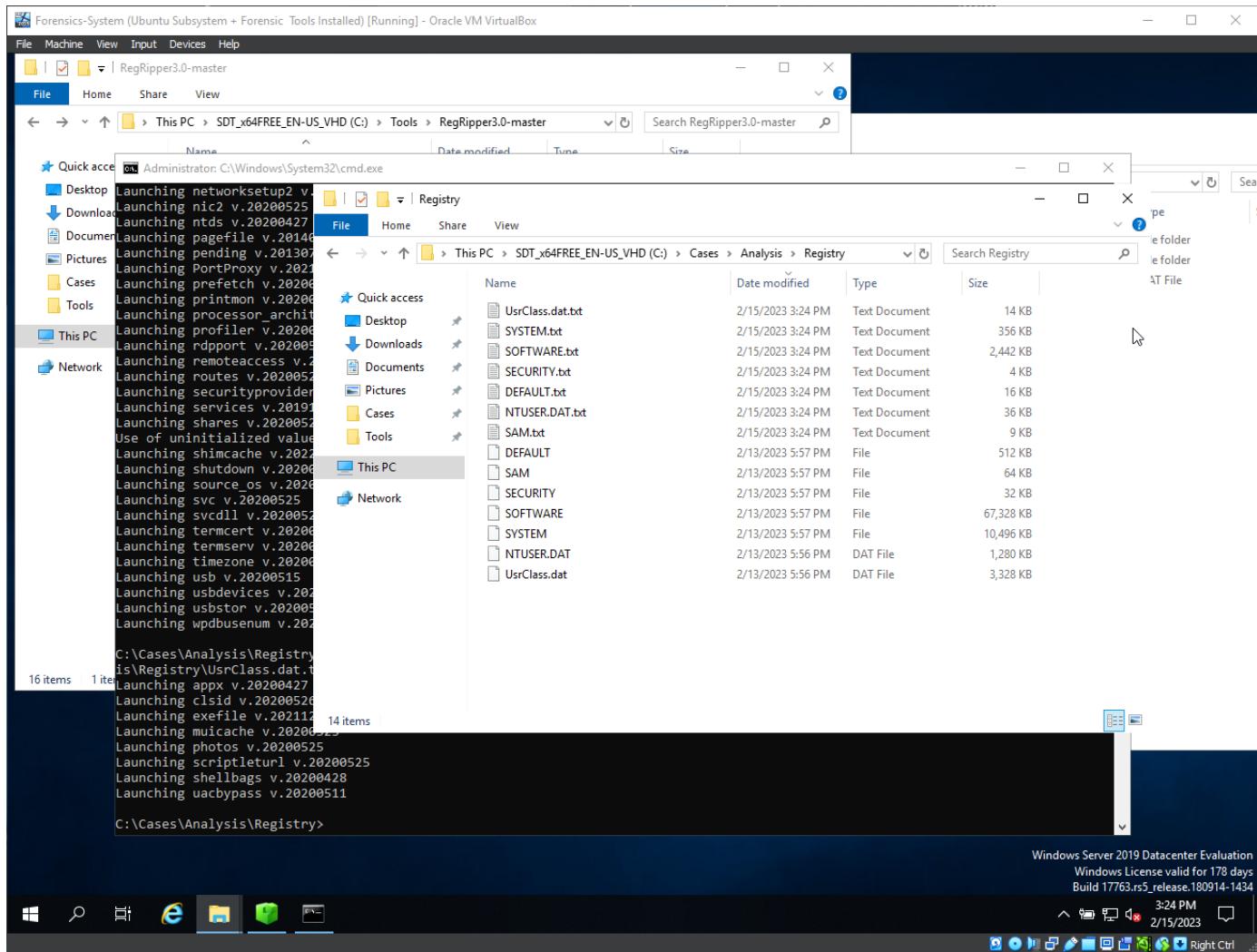
DisableRealtimeMonitoring value = 1

- Parsing all registry hives with RegRipper:
- Unhid the two user registries:

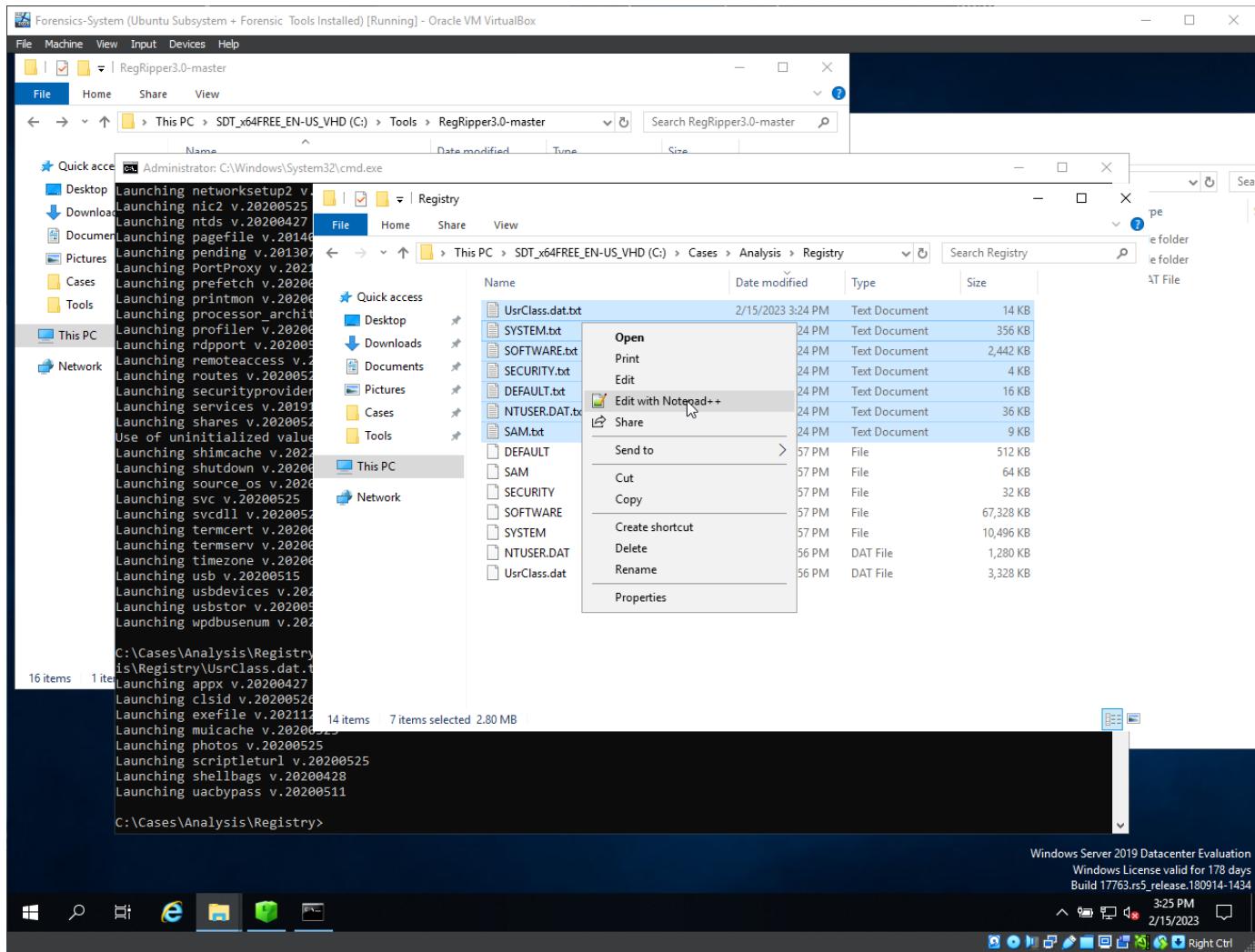


- Parse all the hives and put them into text files:





- Open all with Notepad++:



Forensics-System (Ubuntu Subsystem + Forensic Tools Installed) [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

RegRipper 3.0-master

File Home Share View

C:\Cases\Analysis\Registry\UsrClss.dat.txt - Notepad++ [Administrator]

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

SYSTEM.txt SOFTWARE.txt SECURITY.txt DEFAULT.txt INTUSER.DAT.txt SAM.txt UsrClss.dat.txt

1 appx v.20200427
2 (INTUSER.DAT, USRCLASS.DAT) Checks for persistence via Universal Windows Platform Apps
3
4 -----
5 clsid v.20200526
6 (Software, USRCLASS.DAT) Get list of CLSID/registered classes
7
8 CLSID
9
10 2023-02-13 17:08:41Z {018D5C66-4533-4307-9B53-224DE2ED1FEE}
11 2023-02-13 17:08:41Z {018D5C66-4533-4307-9B53-224DE2ED1FEE}\InprocServer32: systemroot%\system32\shell32.dll
12
13 2023-02-13 17:08:42Z {021E4F06-9DCC-49AD-88CF-ECC2DA314C8A}
14 2023-02-13 17:11:53Z {021E4F06-9DCC-49AD-88CF-ECC2DA314C8A}\LocalServer32 "C:\Users\IEUser\AppData\Local\Microsoft\OneDrive\
15
16 2023-02-13 17:08:42Z {07CA83F0-DF06-4E67-89DD-E80924A49512}
17 2023-02-13 17:11:53Z {07CA83F0-DF06-4E67-89DD-E80924A49512}\LocalServer32 "C:\Users\IEUser\AppData\Local\Microsoft\OneDrive\
18
19 2023-02-13 17:08:42Z {0827D883-485C-4D62-BAC2-A332DBF3D4B0}
20 2023-02-13 17:11:53Z {0827D883-485C-4D62-BAC2-A332DBF3D4B0}\LocalServer32 "C:\Users\IEUser\AppData\Local\Microsoft\OneDrive\
21
22 2023-02-13 17:08:42Z {1BF42E4C-4AF4-4CFD-A1A0-CF2960B8F63E}
23 2023-02-13 17:11:53Z {1BF42E4C-4AF4-4CFD-A1A0-CF2960B8F63E}\InprocServer32: C:\Users\IEUser\AppData\Local\Microsoft\OneDrive\
24
25 2023-02-13 17:08:42Z {20894375-46AE-46E2-BAFD-CB38975CDCE6}
26 2023-02-13 17:11:53Z {20894375-46AE-46E2-BAFD-CB38975CDCE6}\InprocServer32: C:\Users\IEUser\AppData\Local\Microsoft\OneDrive\
27
28 2023-02-13 17:08:42Z {2e7c0a19-0438-41e9-81e3-3ad3d64f55ba}
29 2023-02-13 17:08:42Z {2e7c0a19-0438-41e9-81e3-3ad3d64f55ba}\LocalServer32 "C:\Users\IEUser\AppData\Local\Microsoft\OneDrive\
30 2023-02-13 17:08:42Z {2e7c0a19-0438-41e9-81e3-3ad3d64f55ba}\ProgID: BannerNotificationHandler.BannerNotificationHandler.1
31
32 2023-02-13 17:08:42Z {389510b7-9e58-40d7-98bf-60b911cb0ea9}
33 2023-02-13 17:11:53Z {389510b7-9e58-40d7-98bf-60b911cb0ea9}\LocalServer32 "C:\Users\IEUser\AppData\Local\Microsoft\OneDrive\
34 2023-02-13 17:08:42Z {389510b7-9e58-40d7-98bf-60b911cb0ea9}\ProgID: FileSyncCustomStatesProviderFileSyncCustomStatesProvide.
La <
La Normal text file
La length: 13,990 lines: 186 Ln:1 Col:1 Pos:1 Windows (CR LF) UTF-8 INS
La Launching uacbypass v.20200511
C:\Cases\Analysis\Registry>

SIDs

- Example of SID: <https://learn.microsoft.com/en-us/windows-server/identity/ad-ds/manage/understand-security-identifiers>

S-1-5-32-544

This SID has four components:

- A revision level (1)
- An identifier authority value (5, NT Authority)
- A domain identifier (32, Builtin)
- A relative identifier (544, Administrators)

S-1-5-21-1004336348-1177238915-682003330-512

The SID for Contoso\Domain Admins has:

- A revision level (1)
- An identifier authority (5, NT Authority)
- A domain identifier (21-1004336348-1177238915-682003330, Contoso)
- A relative identifier (512, Domain Admins)

- Well known SIDs:

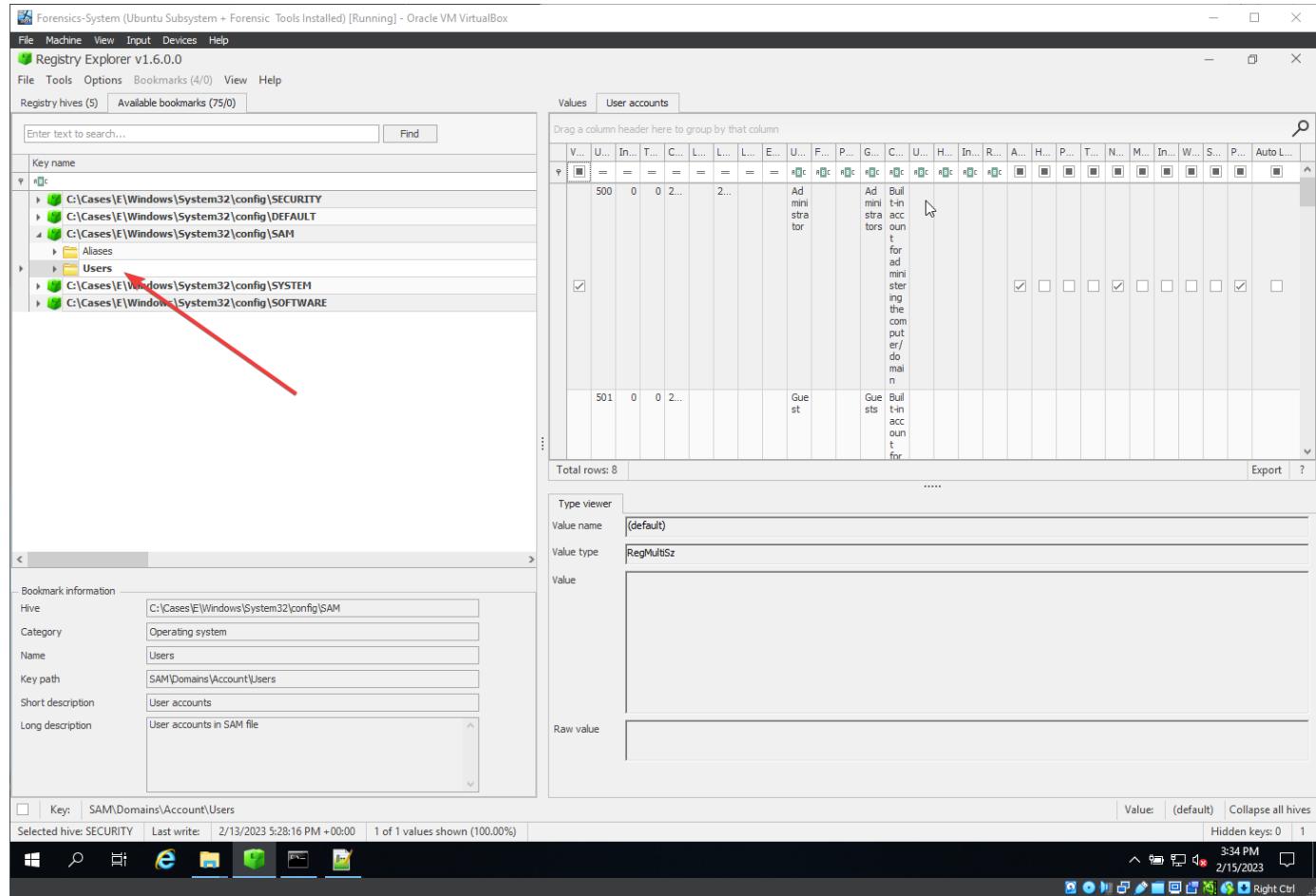
SID	Display name	Description
S-1-5-1	Dialup	A group that includes all users who are signed in to the system via dial-up connection.
S-1-5-113	Local account	You can use this SID when you're restricting network sign-in to local accounts instead of "administrator" or equivalent. This SID can be effective in blocking network sign-in for local users and groups by account type regardless of what they're named.
S-1-5-114	Local account and member of Administrators group	You can use this SID when you're restricting network sign-in to local accounts instead of "administrator" or equivalent. This SID can be effective in blocking network sign-in for local users and groups by account type regardless of what they're named.
S-1-5-2	Network	A group that includes all users who are signed in via a network connection. Access tokens for interactive users don't contain the Network SID.
S-1-5-3	Batch	A group that includes all users who have signed in via batch queue facility, such as task scheduler jobs.
S-1-5-4	Interactive	A group that includes all users who sign in interactively. A user can start an interactive sign-in session by opening a Remote Desktop Services connection from a remote computer, or by using a remote shell such as Telnet. In each case, the user's access token contains the Interactive SID. If the user signs in by using a Remote Desktop Services connection, the user's access token also contains the Remote Interactive Logon SID.
S-1-5-5-X-Y	Logon Session	The X and Y values for these SIDs uniquely identify a particular sign-in session.
S-1-5-6	Service	A group that includes all security principals that have signed in as a service.
S-1-5-7	Anonymous Logon	A user who has connected to the computer without supplying a user name and password. The Anonymous Logon identity is different from the identity that's used by Internet Information Services (IIS) for anonymous web access. IIS uses an

User Accounts, groups and profiles

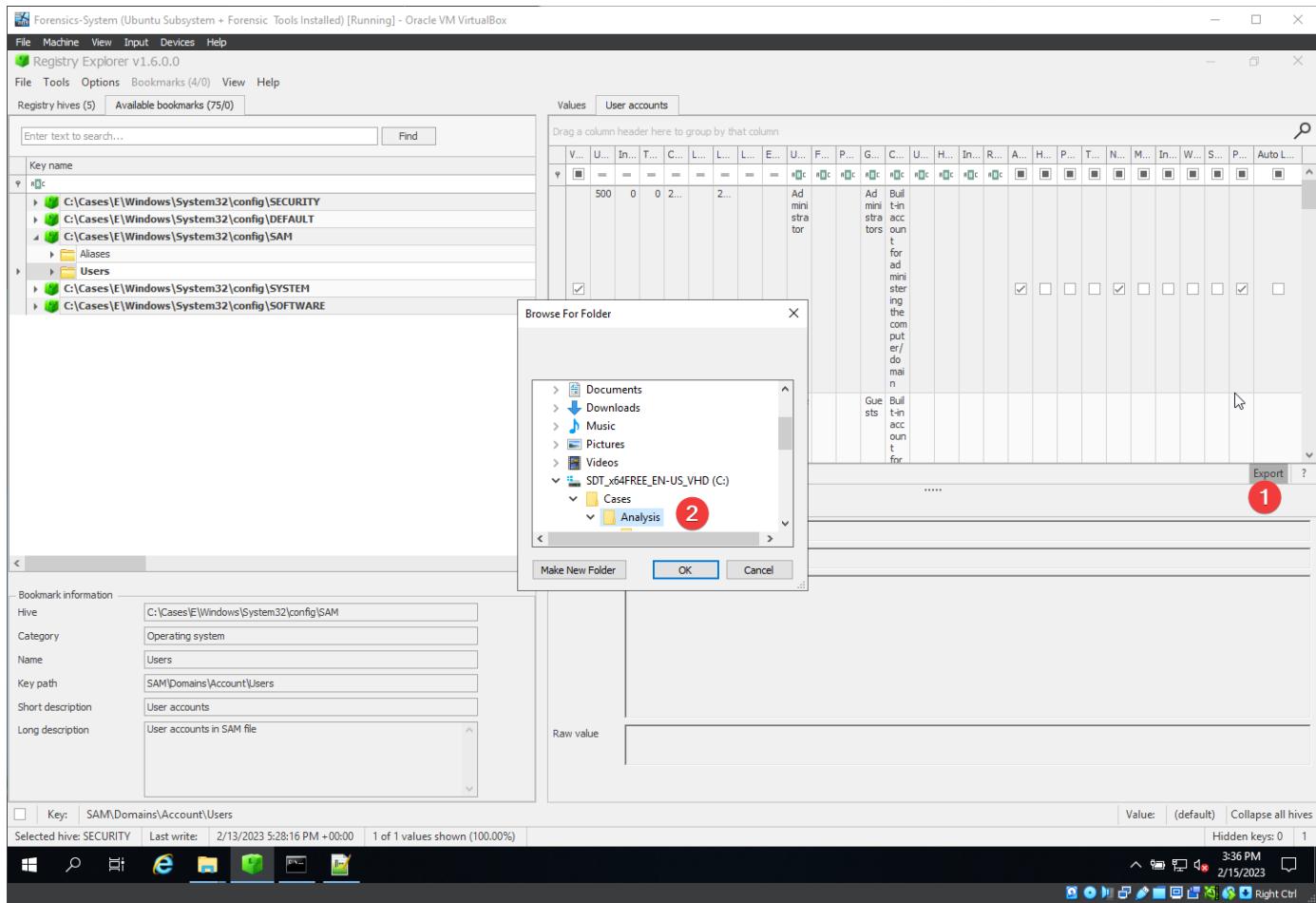
- Find Information about Users, Groups and User Profiles:
 - o Active accounts during the attack timeframe:
 - o Accounts created
 - o Administrator group members

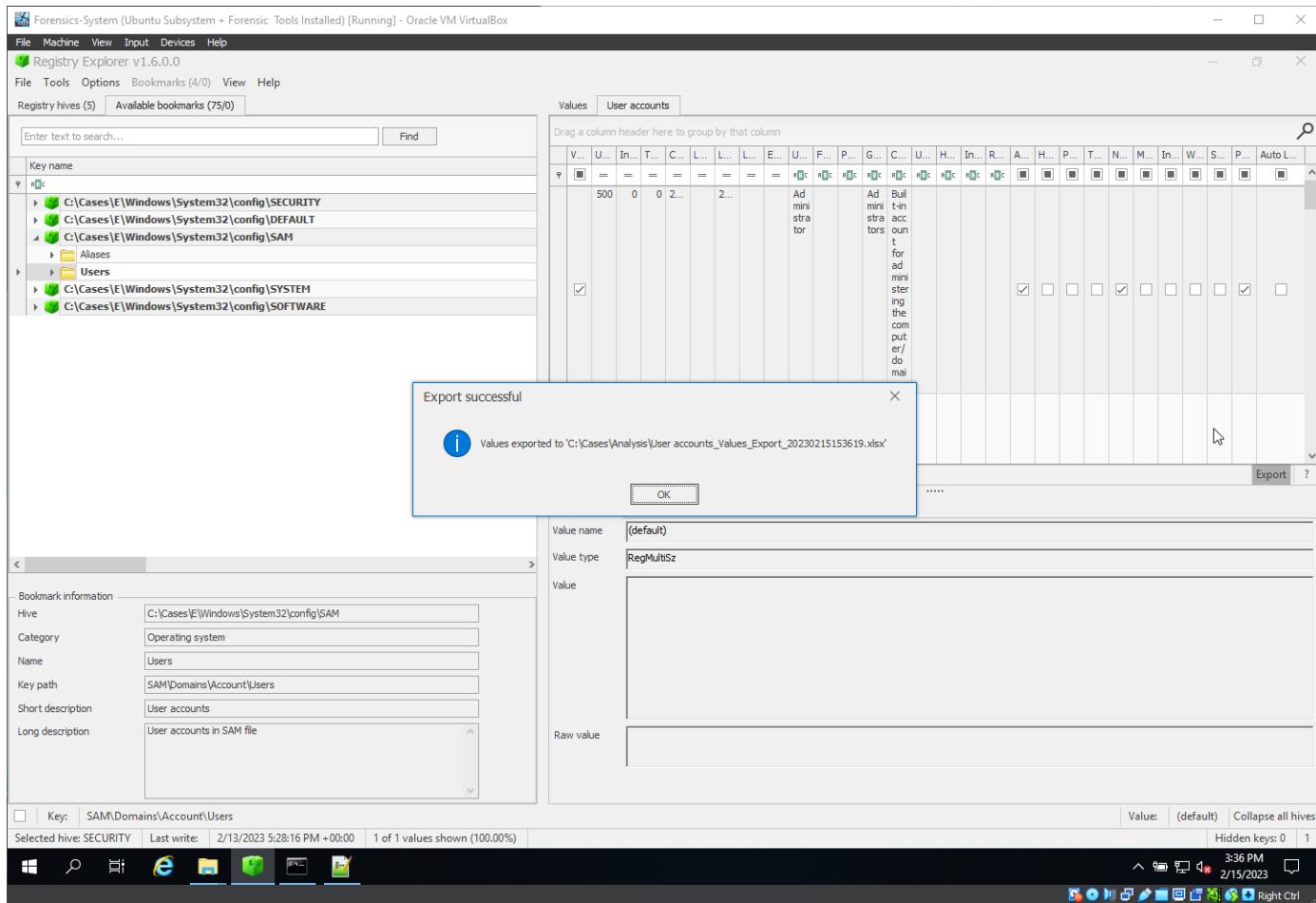
- What users have Windows Profiles

- You can go back to Registry Explorer:

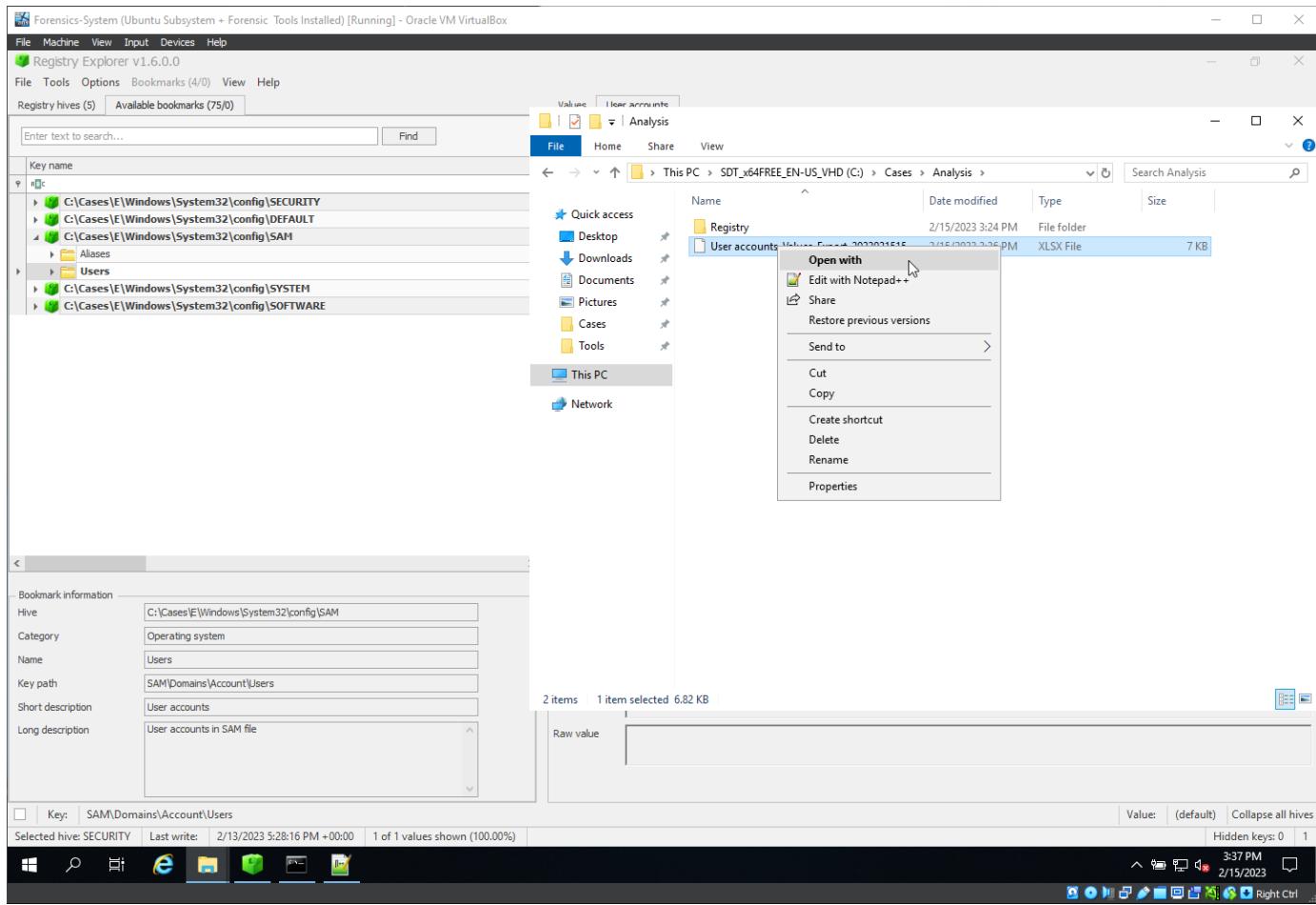


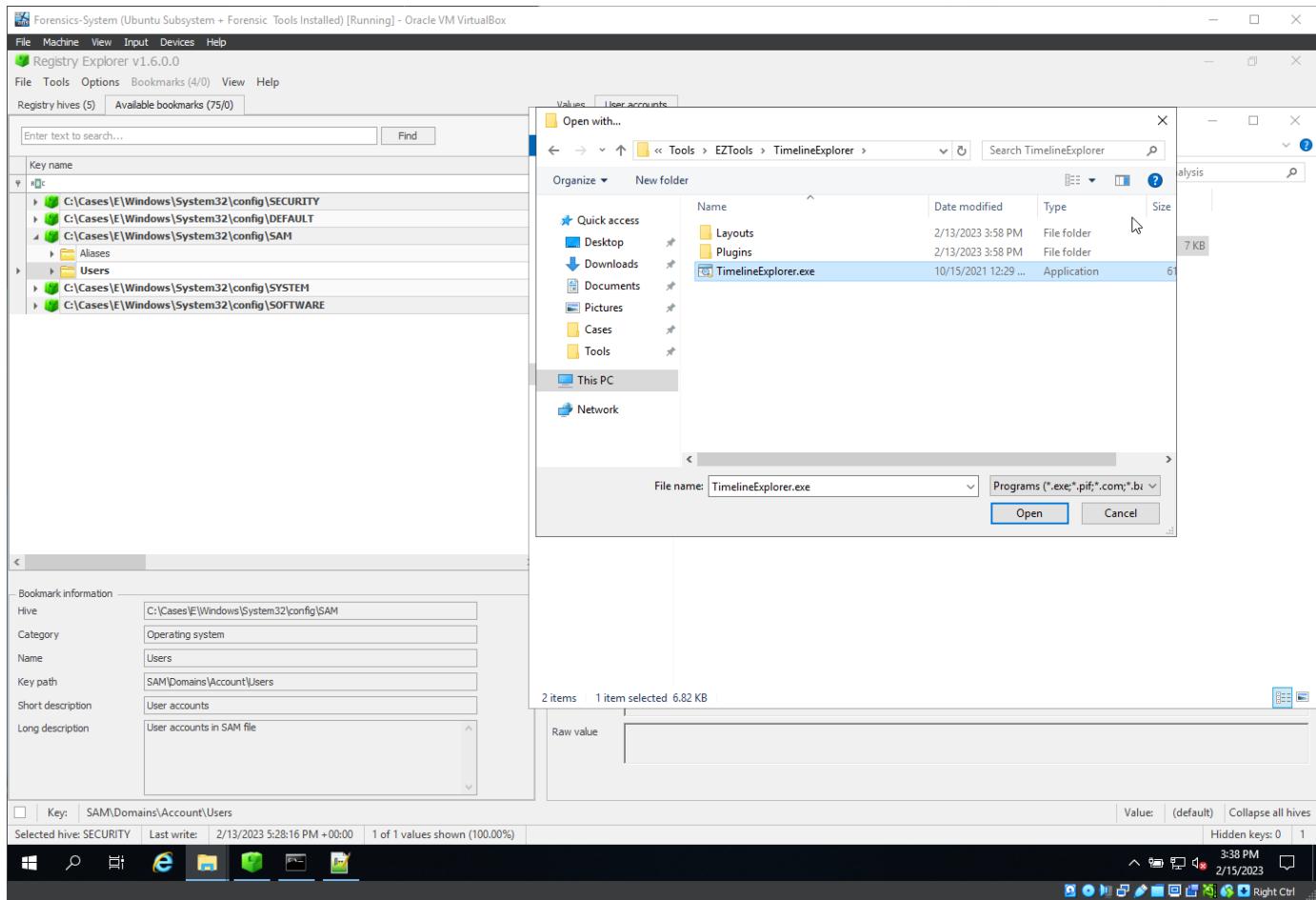
- For better analysis, it is better to export it to XLSX type file:





- For better viewing, there exists an application in EZTools, TimelineExplorer:





Valid User Id	User Id	Invalid Login Count	Total Login Count	Created On	Last Login Time	Last Password Change	Last Incorrect
	500	0	0	0 2018-04-25 ...		2018-04-25 15:47:54	
	501	0	0	0 2018-04-25 ...			
	503	0	0	0 2018-04-25 ...			
	504	0	0	0 2018-04-25 ...		2018-04-25 15:46:33	
	1000	0	10	2018-04-25 ... 2023-02-13 17:11...	2018-04-25 15:47:54		
	1002	0	0	0 2018-04-25 ...		2018-04-25 15:59:47	
	1003	0	5	2018-04-25 ... 2023-02-13 17:11...	2018-04-25 15:59:50		
	1004	0	0	0 2023-02-13 ...		2023-02-13 17:28:16	

- Active accounts during the attack timeframe:
- Answer :

Username : IEUser [1000]

SID : S-1-5-21-1058341133-2092417715-4019509128-1000

Full Name : IEUser

User Comment : IEUser

Account Type :

Account Created : Wed Apr 25 15:47:54 2018 Z

Name :

Last Login Date : Mon Feb 13 17:11:34 2023 Z

Pwd Reset Date : Wed Apr 25 15:47:54 2018 Z

Pwd Fail Date : Never

Login Count : 10

--> Password does not expire

--> Normal user account

- Accounts created
- Answer :

Username : art-test [1004]

Account Created : Mon Feb 13 17:28:16 2023 Z

- Administrator group members

Forensics-System (Ubuntu Subsystem + Forensic Tools Installed) [Running] - Oracle VM VirtualBox

Registry Explorer v1.6.0.0

File Tools Options Bookmarks (4/0) View Help

Registry hives (5) Available bookmarks (75/0)

Enter text to search... Find

Key name

Group Name Comment Users

Administrators Administrators have complete and unrestricted access to the computer/domain S-1-5-21-1058341133-2092417715-4019509128-500, S-1-5-21-1058341133-2092417715-4019509128-1000, S-1-5-21-1058341133-2092417715-4019509128-1003, S-1-5-21-1058341133-2092417715-4019509128-1004

Users Users are prevented from making accidental or intentional system-wide changes and can run most applications S-1-5-4, S-1-5-11, S-1-5-21-1058341133-2092417715-4019509128-1000, S-1-5-21-1058341133-2092417715-4019509128-1002, S-1-5-21-1058341133-2092417715-4019509128-1003, S-1-5-21-1058341133-2092417715-4019509128-1004

Guests Guests have the same access as members of the Users group by default, except for the Guest account which is further restricted S-1-5-21-1058341133-2092417715-4019509128-501

Power Users Power Users are included for backwards compatibility and possess limited administrative powers

Backup Operators Backup Operators can override security restrictions for the sole purpose of backing up or restoring files

Total rows: 19 Export ?

Type viewer

Value name (default)

Value type 14

Value

Raw value 00-00-00

Bookmark information

- Hive C:\Cases\E\Windows\System32\config\SAM
- Category Operating system
- Name Aliases
- Key path SAM\Domains\Builtin\Aliases
- Short description SAMBuiltin Plugin
- Long description SAMBuiltin Plugin

Selected hive: SECURITY Last write: 4/25/2018 3:46:33 PM +00:00 1 of 1 values shown (100.00%)

Wednesday, February 15, 2023 3:51 PM 2/15/2023 Right Ctrl

Registry hives (5) Available bookmarks (75/0)

Values **SAM\Builtin**

Group Name	Comment	Users
\$-c	\$-c	\$-c
Administrators	Administrators have complete and unrestricted access to the computer/domain	S-1-5-21-1058341133-2092417715-4019509128-500, S-1-5-21-1058341133-2092417715-4019509128-1000 ,
Users	Users are prevented from making accidental or intentional system-wide changes and can run most applications	S-1-5-21-1058341133-2092417715-4019509128-1003 ,
Guests	Guests have the same access as members of the Users group by default, except for the Guest account which is further restricted	S-1-5-4, S-1-5-11, S-1-5-21-1058341133-2092417715-4019509128-1002 ,
Power Users	Power Users are included for backwards compatibility and possess limited administrative powers	S-1-5-21-1058341133-2092417715-4019509128-1000 ,
Backup Operators	Backup Operators can override security restrictions for the sole purpose of backing up or restoring files	S-1-5-21-1058341133-2092417715-4019509128-1003 ,

Total rows: 19

Type viewer

Value name	(default)
Value type	14
Value	
Raw value	00-00-00-00

Bookmark information

- Hive: C:\Cases\E\Windows\System32\config\SAM
- Category: Operating system
- Name: Aliases
- Key path: SAM\Domains\Builtin\Aliases
- Short description: SAM\Builtin\Plugin
- Long description: SAM\Builtin\Plugin

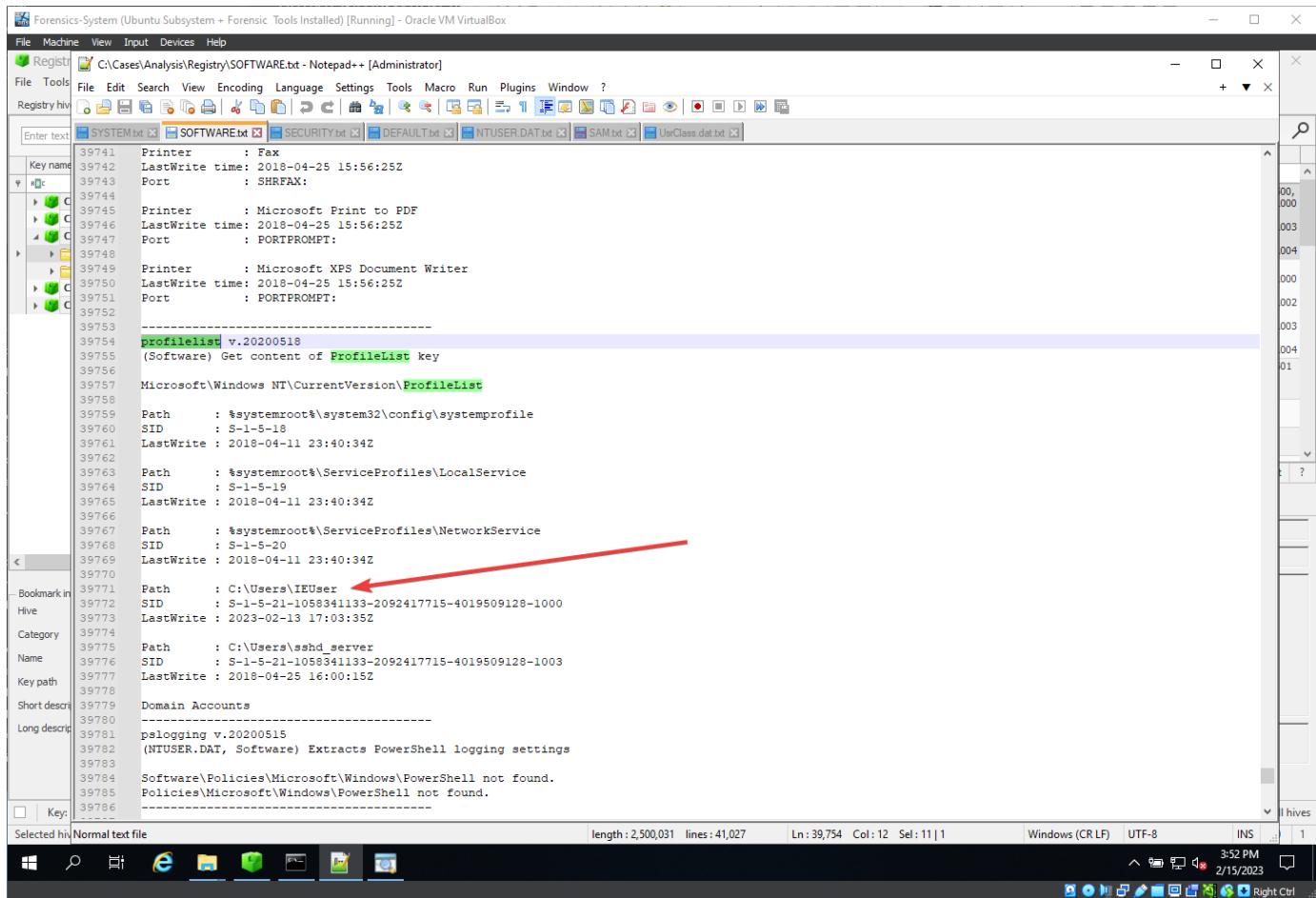
Selected hive: SECURITY Last write: 4/25/2018 3:46:33 PM +00:00 1 of 1 values shown (100.00%)

- Answer :

IEUser [1000]

art-test [1004]

- What users have Windows Profiles
- Using profilelist plugin from regripper



```

File Machine View Input Devices Help
File Tools Registry hives
Enter text
Key name:
HKEY_LOCAL_MACHINE\Software\Microsoft\Windows NT\CurrentVersion\ProfileList
39741 Printer      : Fax
39742 LastWrite time: 2018-04-25 15:56:25Z
39743 Port         : SHREFAX:
39744
39745 Printer      : Microsoft Print to PDF
39746 LastWrite time: 2018-04-25 15:56:25Z
39747 Port         : PORTPROMPT:
39748
39749 Printer      : Microsoft XPS Document Writer
39750 LastWrite time: 2018-04-25 15:56:25Z
39751 Port         : PORTPROMPT:
39752
39753 -----
39754 profilelist v.20200518
39755 (Software) Get content of ProfileList key
39756
39757 Microsoft\Windows NT\CurrentVersion\ProfileList
39758
39759 Path      : %systemroot%\system32\config\systemprofile
39760 SID       : S-1-5-18
39761 LastWrite : 2018-04-11 23:40:34Z
39762
39763 Path      : %systemroot%\ServiceProfiles\LocalService
39764 SID       : S-1-5-19
39765 LastWrite : 2018-04-11 23:40:34Z
39766
39767 Path      : %systemroot%\ServiceProfiles\NetworkService
39768 SID       : S-1-5-20
39769 LastWrite : 2018-04-11 23:40:34Z
39770
39771 Path      : C:\Users\IEUser ←
39772 SID       : S-1-5-21-1058341133-2092417715-4019509128-1000
39773 LastWrite : 2023-02-13 17:03:35Z
39774
39775 Path      : C:\Users\sshd_server
39776 SID       : S-1-5-21-1058341133-2092417715-4019509128-1003
39777 LastWrite : 2018-04-25 16:00:15Z
39778
39779 Domain Accounts
39780 -----
39781 pslogging v.20200515
39782 (NTUSER.DAT, Software) Extracts PowerShell logging settings
39783
39784 Software\Policies\Microsoft\Windows\PowerShell not found.
39785 Policies\Microsoft\Windows\PowerShell not found.
39786

```

- Answer :

Path : C:\Users\IEUser

SID : S-1-5-21-1058341133-2092417715-4019509128-1000

LastWrite : 2023-02-13 17:03:35Z

