

CSE3501-Information Security Analysis and Audit

Lab 9+10

Lab Assignment-8(Autopsy)

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Reg No:19BCE2555

Autopsy:

Autopsy is computer software that makes it simpler to deploy many of the open source programs and plugins used in The Sleuth Kit.[1] The graphical user interface displays the results from the forensic search of the underlying volume making it easier for investigators to flag pertinent sections of data. The tool is largely maintained by Basis Technology Corp. with the assistance of programmers from the community. The company sells support services and training for using the product.

The tool is designed with these principles in mind:

Extensible — the user should be able to add new functionality by creating plugins that can analyze all or part of the underlying data source.

Centralised — the tool must offer a standard and consistent mechanism for accessing all features and modules.

Ease of Use — the Autopsy Browser must offer the wizards and historical tools to make it easier for users to repeat their steps without excessive reconfiguration.

Multiple Users — the tool should be usable by one investigator or coordinate the work of a team.

The core browser can be extended by adding modules that help scan the files (called "ingesting"), browse the results (called "viewing") or summarize results (called "reporting"). A collection of open-source modules allow customization.

In this lab we are using Single User and We are doing Autopsy on ISAA Folder in Desktop

List of Files present in the folder

Nikhitha's test case1 - Autopsy 4.19.2

Case View Tools Window Help

Add Data Source Images/Videos Communications Geolocation Timeline Discovery Generate Report Close Case

Keyword Lists Keyword Search

Listing Metadata

Table Thumbnail Summary

Save Table as CSV

Source Name	S	C	O	Date Modified	Program Name	Last Printed Date	Date Created	User ID	Owner	Data Source	Version
</> 198CE2555 INFO SEC Lab DA4.docx				2021-09-28 19:14:00 IST	Microsoft Office Word	2021-09-28 16:55:00 IST	2021-09-28 11:28:00 IST	LENOVO	LENOVO	LogicalFileSet1	
</> 198CE2555 INFO SEC Lab DA7.docx				2021-11-17 11:22:00 IST	Microsoft Office Word	2021-11-17 11:20:00 IST	2021-11-17 11:22:00 IST	LENOVO	LENOVO	LogicalFileSet1	
</> 198CE2555 INFO SEC Lab DA4.pdf				2021-09-28 19:14:57 IST			2021-09-28 19:14:57 IST		LENOVO	LogicalFileSet1	1.5
</> 198CE2555 INFO SEC Lab DA7.pdf				2021-11-17 11:22:59 IST			2021-11-17 11:22:59 IST		LENOVO	LogicalFileSet1	1.5
</> 198CE2555 INFO SEC Lab2.docx				2021-09-10 14:21:00 IST	Microsoft Office Word	2021-09-10 14:20:00 IST	2021-09-10 10:41:00 IST	Windows User	Windows User	LogicalFileSet1	
</> 198CE2555 INFO SEC Lab2.pdf				2021-09-10 14:20:40 IST			2021-09-10 14:20:40 IST		Windows User	LogicalFileSet1	1.5
</> 198CE2555 INFO SEC Lab 1.docx				2021-09-10 09:28:00 IST	Microsoft Office Word	2021-09-10 14:22:00 IST	2021-09-10 13:42:00 IST	Windows User	Windows User	LogicalFileSet1	
</> 198CE2555 Infosec Lab DA3.pdf										LogicalFileSet1	1.4
</> 198CE2555 ISAA DA5.pdf				2021-10-15 13:20:16 IST			2021-10-15 13:20:16 IST		LENOVO	LogicalFileSet1	1.5
</> 198CE2555 ISAA Lab DA6.pdf				2021-11-05 15:31:23 IST			2021-11-05 15:31:23 IST		LENOVO	LogicalFileSet1	1.5
</> 198CE2555 ISAA Theory DA.pdf				2021-11-01 08:28:14 IST			2021-11-01 08:28:14 IST		LENOV190	LogicalFileSet1	1.5
</> 198CE2555_TIMING_ATTACK.docx				2021-11-17 11:20:00 IST	Microsoft Office Word		2021-11-17 05:54:00 IST	LENOVO	LENOVO	LogicalFileSet1	
</> 198CE2555_Infosec_Lab5.pdf				2021-11-17 11:20:57 IST			2021-11-17 11:20:57 IST		LENOVO	LogicalFileSet1	1.5
</> 198CE2555_TIMING_ATTACK.pdf				2021-11-17 06:14:45 IST			2021-11-17 06:14:45 IST		LENOVO	LogicalFileSet1	1.5
</> INFO SEC LAB 1.docx				2021-08-18 07:24:00 IST	Microsoft Office Word		2021-08-10 04:48:00 IST	Windows User	Windows User	LogicalFileSet1	
</> ISAA DA5.docx				2021-10-15 12:30:00 IST	Microsoft Office Word		2021-10-15 04:59:00 IST	LENOVO	LENOVO	LogicalFileSet1	
</> ISAA Lab DA6.docx				2021-11-05 15:30:00 IST	Microsoft Office Word	2021-11-05 15:29:00 IST	2021-11-05 12:35:00 IST	LENOVO	LENOVO	LogicalFileSet1	
</> ISAA Project Report.docx				2021-11-29 14:54:00 IST	Microsoft Office Word		2021-11-29 14:44:00 IST	LENOVO	Nikhitha Alokam	LogicalFileSet1	
</> Project Report.docx				2021-11-29 13:55:00 IST	Microsoft Office Word		2021-11-29 13:55:00 IST	LENOVO	Nikhitha Alokam	LogicalFileSet1	
</> theory da.docx				2021-11-01 09:29:00 IST	Microsoft Office Word	2021-11-01 08:28:00 IST	2021-10-30 14:27:00 IST	LENOVO	LENOV190	LogicalFileSet1	

Hex Text Application File Metadata OS Account Data Artifacts Analysis Results Context Annotations Other Occurrences

List of various types of files in that folder

Nikhitha's test case1 - Autopsy 4.19.2

Case View Tools Window Help

Add Data Source Images/Videos Communications Geolocation Timeline Discovery Generate Report Close Case

Listing By Extension

Table Thumbnail Summary

File Type	File Extensions
Images (281)	.jpg, .jpeg, .png, .psd, .nef, .tiff, .bmp, .tcc, .tif, .webp
Videos (0)	.aaf, .3gp, .asf, .avi, .m1v, .m2v, .m4v, .mp4, .mov, .mpeg, .mpg, .mpe, .mp4, .rm, .wmv, .mpv, .flv, .swf
Audio (0)	.aiff, .aif, .flac, .wav, .m4a, .ape, .wma, .mp2, .mp1, .mp3, .aac, .mp4, .m4p, .m1a, .m2a, .m4r, .mpa, .m3u, .mid, .midi, .ogg
Archives (0)	.zip, .rar, .7zip, .7z, .arj, .tar, .gz, .bz2, .cab, .jar, .cpio, .ar, .gz, .tgz, .bz2
Databases (0)	.db, .db3, .sqlite, .sqlite3
Documents	'.html', '.htm', '.doc', '.docx', '.odt', '.xls', '.xlsx', '.ppt', '.pptx', '.pdf', '.txt', '.rtf'
Executable	'.exe', '.msi', '.cmd', '.com', '.bat', '.reg', '.scr', '.dll', '.ini'

Hex Text Application File Metadata OS Account Data Artifacts Analysis Results Context Annotations Other Occurrences

List of PDF Files in the ISAA Folder

Nikhitha's test case1 - Autopsy 4.19.2

CaseViewToolsWindowHelp

Add Data SourceImages/VideosCommunicationsGeolocationTimelineDiscoveryGenerate ReportClose Case

Keyword ListsKeyword Search

Listingapplication/pdf

TableThumbnailSummary

Save Table as CSV

Name	S	C	O	Modified Time	Change Time	Access Time	Created Time	Size	Flags(Dir)	Flags(Meta)	Known	Location
19BCE2555 INFO SEC Lab DA4.pdf			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	1427178	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
19BCE2555 INFO SEC Lab DA7.pdf			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	627809	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
19BCE2555 INFO SEC Lab2.pdf			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	342061	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
19BCE2555 Infosec Lab DA3.pdf			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	428211	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
19BCE2555 ISAA DA5.pdf			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	652028	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
19BCE2555 ISAA Lab DA6.pdf			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	2333944	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
19BCE2555 IS19BCE2555 ISAA Lab DA6.pdf			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	1235562	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
19BCE2555 Infosec_Lab5.pdf			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	627837	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
19BCE2555_TIMING_ATTACK.pdf			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	605149	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA

HexTextApplicationFile MetadataOS AccountData ArtifactsAnalysis ResultsContextAnnotationsOther Occurrences

List of all Word Documents inside the Folder

Nikhitha's test case1 - Autopsy 4.19.2

CaseViewToolsWindowHelp

Add Data SourceImages/VideosCommunicationsGeolocationTimelineDiscoveryGenerate ReportClose Case

Keyword ListsKeyword Search

Listingapplication/vnd.openxmlformats-officedocument.wordprocessingml.document

TableThumbnailSummary

Save Table as CSV

Name	S	C	O	Modified Time	Change Time	Access Time	Created Time	Size	Flags(Dir)	Flags(Meta)	Known	Location
19BCE2555 INFO SEC Lab DA4.docx			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	1674657	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
19BCE2555 INFO SEC Lab DA7.docx			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	177114	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
19BCE2555 INFO SEC Lab1.docx			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	3978540	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
19BCE2555 INFO SEC Lab2.docx			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	148675	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
19BCE2555 Infosec Lab DA3.docx			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	378609	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
19BCE2555_TIMING_ATTACK.docx			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	177103	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
INFO SEC LAB 1.docx			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	2640328	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
ISAA DA5.docx			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	852545	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
ISAA Lab DA6.docx			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	3718941	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
ISAA Project Report.docx			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	1424093	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
Project Report.docx			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	1420861	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA
theory da.docx			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	1682023	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA

HexTextApplicationFile MetadataOS AccountData ArtifactsAnalysis ResultsContextAnnotationsOther Occurrences

List of all images in .png form in files that are present inside the folder "ISAA"

Nikhitha's test case1 - Autopsy 4.19.2

Case View Tools Window Help

Add Data Source Images/Videos Communications Geolocation Timeline Discovery Generate Report Close Case

Keyword Lists Keyword Search

Listing image/png 236 Results

Table Thumbnail Summary

Save Table as CSV

Name	S	C	O	Modified Time	Change Time	Access Time	Created Time	Size	Flags(Dir)	Flags(Meta)	Known	Location
image16.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	150218	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image8.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	145034	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image11.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	56194	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image5.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	145146	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image3.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	104028	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image14.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	137877	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image1.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	175679	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image6.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	68944	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image13.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	45600	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image9.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	68994	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image10.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	68261	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image12.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	137974	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image2.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	112391	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image17.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	52241	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image4.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	65077	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image15.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	45693	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image7.png	0	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	66446	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image2.png	1	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	52035	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image3.png	1	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	25155	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO
image4.png	1	0	0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	30104	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO

Hex Text Application File Metadata OS Account Data Artifacts Analysis Results Context Annotations Other Occurrences

The HD5 Hash and SHA -256 Hash of those images

Nikhitha's test case1 - Autopsy 4.19.2

Case View Tools Window Help

Add Data Source Images/Videos Communications Geolocation Timeline Discovery Generate Report Close Case

Keyword Lists Keyword Search

Listing image/png 236 Results

Table Thumbnail Summary

Save Table as CSV

Flags(Dir)	Flags(Meta)	Known	Location	MD5 Hash	SHA-256 Hash	MIME Type	Extension
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	c77068a7ebb98c2119ee6c0cc076e52	4d742f073c01c7b6f436225e8294fb9cdd274361f5a14...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	39a995d9d0f3e7701ada87e5c9c130a	d98e5fcb7fae55b21d80f9d8199448854c155c53708aa47...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	d6e15c938fbaa8f427b4fe05315a11fc	3aebcb5a1240d2f20203513536085961ccce19652a4d77...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	4693dc463014d67460648db4e5bed31	e49b5e286d02fa488b01e2eab5e4178a6237a2211f2a911d...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	7ed6baeb107c9d2fe052cc0cbbaef0	5776aac9da41ae14d7d01a4e015430c2c406a9bbe6f351b...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	c44cbcd2fc2819a02b137b1d1c6f6af	32a9ce1dd62df2c025434963a0fec4d7268d4d50c3396e...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	ef55c04108e2adfe59b1dd2d61a979d	e8aa45db834a13ee51f7aae776e78c4373f07d5aa2dd4c34...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	99d7243c49131694b52048a3ca534c3	04aea4fc97794301ac33f8ba9459871710f002d08bab8c6...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	b262c5932945c93d6687129644f0b96c	15bc0e1631d44a528c22359d8f99d8bc2404a08152da4ed...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	5336d7688b52036663a6fa306d96638b	8e6202c141cb681b1d034657431d1baa4ffe588504e8f4...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	81ca18ee26fad72c9f7bd132a958b26	bb5f18f23268fb0af7bc3f539159cb9f85ea2f241c09349ba...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	3a8b1afbc08bf0ef5f0b287032948975	fa0d0df6860414e83e2063f2597de1834932e8dbee90e50...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	4eb8420e1662ae911c73ad2495ee178	d58980cb225314d11b4d864c4c25dc320932d33ad6f7a9...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	b9b2aaa9d9add317be5cc7c3253241ba	20b265af3877aebd2948bbbf9dae2ac4dfb91d43d4690c3...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	aa61c6a49375dae1715202de59805f49	b0bb1c1d15c1b24f4d44d4522651777e125a32196c46f530...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	ce5e8d739cbb669969da9dfcebd1	b40c4c72d7739a7df1c0953e93e451857585c7f8d0649492...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA4.docx...	317b56a3e99d3c9dad866a2889cd0e	24419077f4cc9ec95a2da174795f4f4cde8c10b963df4bb...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA7.docx...	b0cc6f06414678bd38ea1210a9f8a7b	e51ead9c39ed84eb14882f9bd4bfee06374c51e46c8a69b...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA7.docx...	ebcd42106b9eabc848f0531d44edc129	67491bbdca35210649bf174c35d0f4051d7e85e8dec07a6...	image/png	png
located	Allocated	unknown	/LogicalFileSet1/ISAA/19BCE2555 INFO SEC Lab DA7.docx...	47fa20f7a22b25574560fd46bf8e	585061e2cdd61f4d0286664c13797c958219eca54b6c759...	image/png	png

Hex Text Application File Metadata OS Account Data Artifacts Analysis Results Context Annotations Other Occurrences

List of all images in .jpg form inside the files that are present inside the folder “ISAA”

Nikhitha's test case1 - Autopsy 4.19.2

Case View Tools Window Help

Add Data Source Images/Videos Communications Geolocation Timeline Discovery Generate Report Close Case

Keyword Lists Keyword Search

Listing image/jpeg 45 Results

Name	S	C	O	Modified Time	Change Time	Access Time	Created Time	Size	Flags(Dir)	Flags(Meta)	Known	Location
image2.jpeg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	265711	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 INFO
image15.jpeg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	132972	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 INFO
image11.jpeg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	105921	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 INFO
image14.jpeg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	89310	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 INFO
image10.jpeg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	131893	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 INFO
image0.jpg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	18115	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 INFO
image2.jpg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	20277	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA
image0.jpg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	71047	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA
image0.jpg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	136828	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA
image2.jpg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	31614	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA
image1.jpg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	123997	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/ISAA Project Rep
image0.jpg			1	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	16168	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA
image12.jpg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	3251	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA
image0.jpg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	9666	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA
image19.jpg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	45300	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA
image1.jpg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	207406	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA
image6.jpg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	6940	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA
image11.jpg			0	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	10158	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA
image2.jpeg			1	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	91981	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/ISAA Project Rep
image26.jpeg			1	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	0000-00-00 00:00:00	99453	Allocated	Allocated	unknown	/LogicalFileSet1/ISAA/ISAA Project Rep

Hex Text Application File Metadata OS Account Data Artifacts Analysis Results Context Annotations Other Occurrences

The HD5 Hash and SHA -256 Hash of those images

Nikhitha's test case1 - Autopsy 4.19.2

Case View Tools Window Help

Add Data Source Images/Videos Communications Geolocation Timeline Discovery Generate Report Close Case

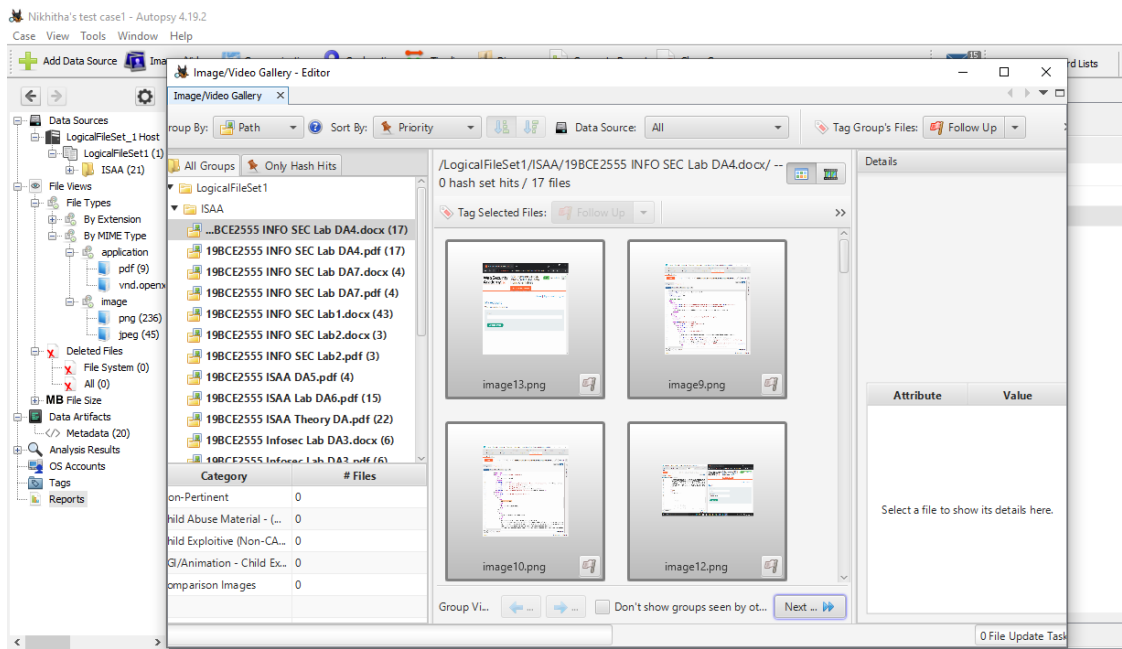
Keyword Lists Keyword Search

Listing image/jpeg 45 Results

Flags(Dir)	Flags(Meta)	Known	Location	MD5 Hash	SHA-256 Hash	MIME Type	Extension
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 INFO SEC Lab1.docx/image...	5966da0f688ee622015be0e84c27c189ec5c736c970ffcb8...	396dda0f688ee622015be0e84c27c189ec5c736c970ffcb8...	image/jpeg	.jpeg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 INFO SEC Lab1.docx/image...	6ff2cad497f1b1b8941c6d9af803ba2	5a2d95a1e162cfd6b7961926bca2ea161228bc940655f4...	image/jpeg	.jpeg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 INFO SEC Lab1.docx/image...	c53245d9f46e3089deaad40d0c0c2b	05fb8d25ccbd5d2c8fcb8ee8a46b0707c0794ed124a62fe2...	image/jpeg	.jpeg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 INFO SEC Lab1.docx/image...	53e45e87afed8f4a8ce9c9910718c821	ab5ecac9366823c145f7be0179889e9e70c3d7d986bd9...	image/jpeg	.jpeg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 INFO SEC Lab1.docx/image...	e18f7fda8b79b899a78831b39b8b6354	e50f2f45c03bf221e8f9885ae7b2b1ff60143cfd09001d9b8...	image/jpeg	.jpeg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 INFO SEC Lab2.pdf/image...	d3e670f1c30f245e8525ac18bf2c9d5	4e1118b2070449307084ff633f47853804a61cb6e55da5...	image/jpeg	.jpg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 INFO SEC Lab2.pdf/image...	c7b065d447503df44e3891eacdb7043	bdb7af7b24c6b6cfba960c10984c7522c169d141c25c0b156...	image/jpeg	.jpg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA DAS.pdf/image0.jpg	1a6b20cb39f34d4edcf909d8a755fe23	68c3ea50338f0cc90560c18dc206f458a1ac80777c17724f...	image/jpeg	.jpg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA Lab DA6.pdf/image...	8c392445daa8a8d4206a8547fb0e5a02	3e3e93099aa445bef4f8833c91b7464505de9648f2afe40a...	image/jpeg	.jpg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA Lab DA6.pdf/image...	b974a436ef3c9e23d769b762f11f57d6	497413b40dc53d2fa3c70db4674dbdf0ef70d12d2734...	image/jpeg	.jpg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA Theory DA.pdf/image...	170eb6f1531c1855674db7188e2965	1ada8b6aa6b739bf3081118c566afee264b25d0bd26d3e2...	image/jpeg	.jpg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA Theory DA.pdf/image...	5d7006bbe7c1273eca9d15b24092110f	68f76d04c5d5c34fef65236e95a5d7d9f5c6aed366063c...	image/jpeg	.jpg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA Theory DA.pdf/image...	a1e5596cf762ae48279f333df960dad0	915ae92fb2280af477fc2c4183a53b4c8e00d2be24e8b9...	image/jpeg	.jpg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA Theory DA.pdf/image...	7be334d4314be7ca227308708a3deac	31023640b53abb6191462e40fda0edba465fdeae226d57...	image/jpeg	.jpg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA Theory DA.pdf/image...	20db78f78c13125436556cd2469cb64	7819d1c2b35b43eb8adfeab096b24739d7de62a8753f4a74...	image/jpeg	.jpg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA Theory DA.pdf/image...	0a42fed13920cf891adb5553e918ba	11949a066477d65c1d1df9cf4b7cd0f92db11e2e12ab560...	image/jpeg	.jpg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA Theory DA.pdf/image...	495fd1713eda4ff97a200b784117d914	93a7373bfad22baeac46510948f7091866488c3238850...	image/jpeg	.jpg
located	Allocated	unknown	/LogicalFileSet1/ISAA/198CE2555 ISAA Theory DA.pdf/image...	bb0617f0bc7582d122e2aed290cfb9	1d535df50eff39c2a3bdab6427db1836f81891cc22ad32cf...	image/jpeg	.jpg
located	Allocated	unknown	/LogicalFileSet1/ISAA/ISAA Project Report.docx/image2.jpg	e542422d79012a314337393568e3125b	658a7e9a508c4a495ca5dc291826c9dab1910b0e057851...	image/jpeg	.jpg
located	Allocated	unknown	/LogicalFileSet1/ISAA/ISAA Project Report.docx/image26.jpg	2c3d365d5fad8d27160511b9693ae130	edd570a1c634fd61a53e1fac5b3756bd372da012ef3f543...	image/jpeg	.jpg

Hex Text Application File Metadata OS Account Data Artifacts Analysis Results Context Annotations Other Occurrences

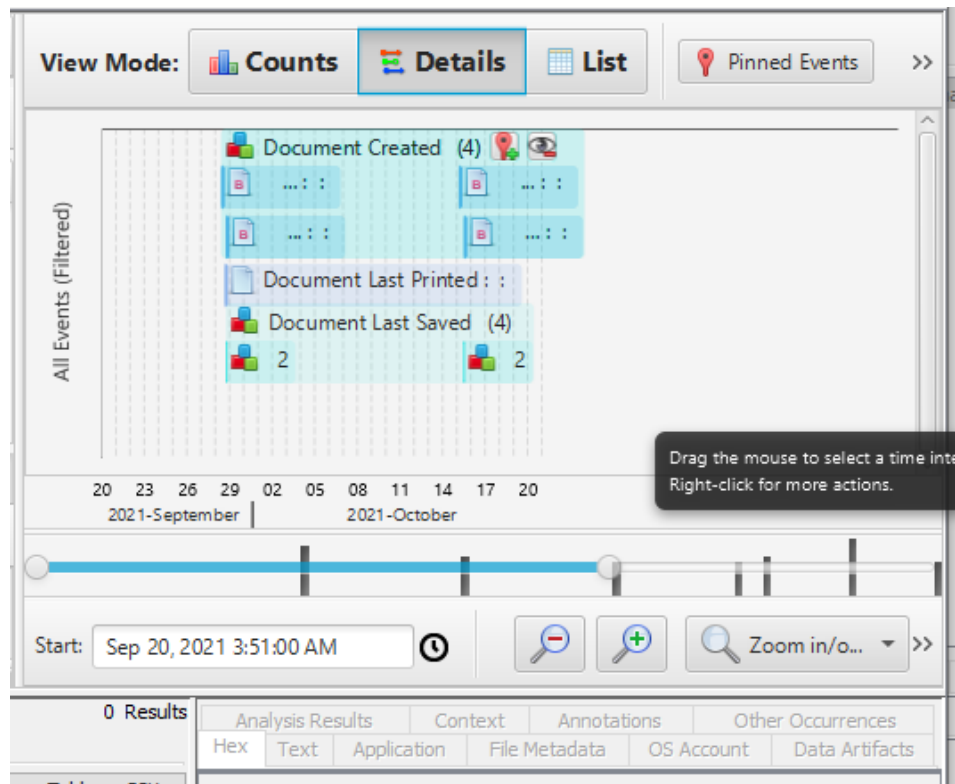
List of Images from each File in the Folder



This is showing the geolocation of the data. It helps us in getting the location of the attackers because attackers can be anywhere.



Time line of the Docs in the Folder



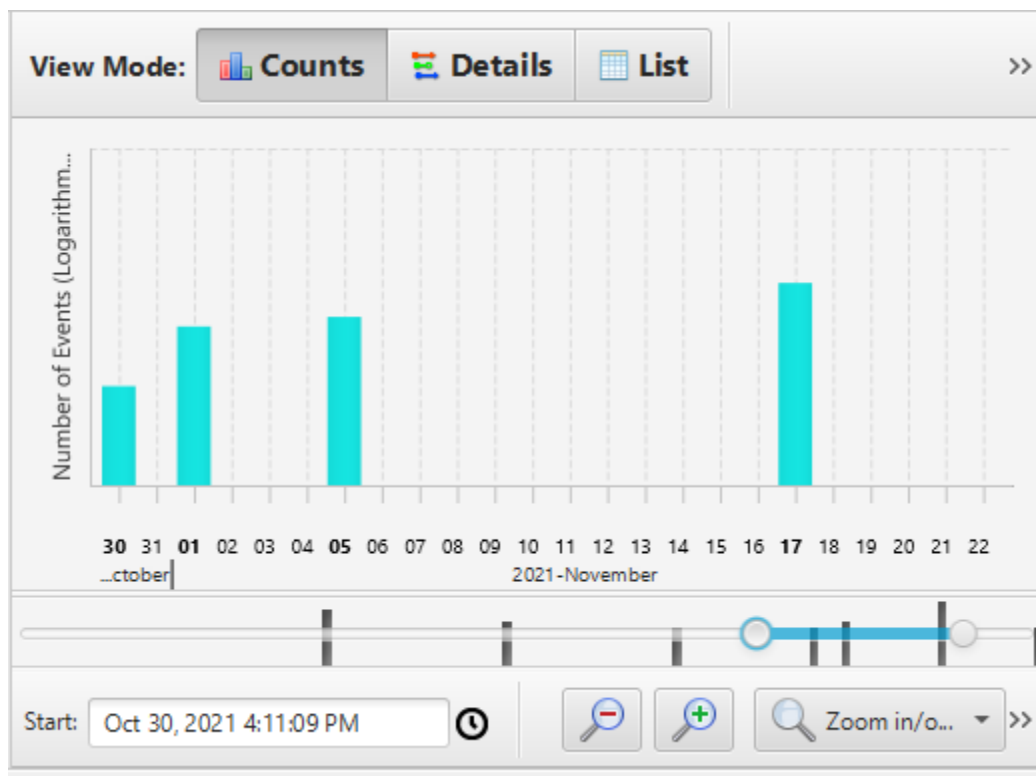
View Mode: **Counts** **Details** **List** + Add Event >>

9 events

Date/Time	Event Type	Description	Tagged	Hash Hit +
2021-09-28 11:28:00	Document ...	Documen ... d : :		
2021-09-28 16:55:00	Document L...	Documen ... d : :		
2021-09-28 19:14:00	Document L...	Documen ... d : :		
2021-09-28 19:14:57	Document L...	Documen ... d : :		
2021-09-28 19:14:57	Document ...	Documen ... d : :		
2021-10-15 04:59:00	Document ...	Documen ... d : :		
2021-10-15 12:30:00	Document L...	Documen ... d : :		
2021-10-15 13:20:16	Document ...	Documen ... d : :		

Start: Sep 20, 2021 3:51:00 AM ⓘ >>

artifacts Analysis Results Context Annotations Other Occurrences



Autopsy Forensic Report of folder "ISAA" from desktop in HTML format

Report Navigation

- Case Summary
- Metadata (20)
- Tagged Files (0)
- Tagged Images (0)
- Tagged Results (0)

Autopsy Forensic Report

HTML Report Generated on 2021/12/03 21:20:40

Case: Nikhitha's
test_case 1

Case Number: 1

Number of
data sources
in case: 1

Examiner: Alokam
Nikhitha

Image Information:

LogicalFileSet1

Software Information:

Autopsy Version: 4.19.2

Android Analyzer Module: 4.19.2

Android Analyzer (aLEAPP) Module: 4.19.2

Central Repository Module: 4.19.2

Report Navigation

- Case Summary
- Metadata (20)
- Tagged Files (0)
- Tagged Images (0)
- Tagged Results (0)

Ingest History:

Job 1:

Data Source: LogicalFileSet1

Status: COMPLETED

Enabled Modules: Recent Activity
Hash Lookup
File Type Identification
Extension Mismatch Detector
Embedded File Extractor
Picture Analyzer
Keyword Search
Email Parser
Encryption Detection
Interesting Files Identifier
Central Repository
PhotoRec Carver
Virtual Machine Extractor
Data Source Integrity
Android Analyzer (aLEAPP)
DJI Drone Analyzer
YARAAnalyzer
iOS Analyzer (iLEAPP)
Android Analyzer
GPX Parser

Meta Data(Date of File created and Modified in the folder)

Report Navigation

Case Summary

Metadata (20)

Tagged Files (0)

Tagged Images (0)

Tagged Results (0)

Metadata

Date Created	Date Modified	Last Printed Date	Owner	Program Name	User ID	Version
2021-08-10 04:48:00 IST	2021-08-18 07:24:00 IST		Windows User	Microsoft Office Word	Windows User	1.4
2021-09-10 10:41:00 IST	2021-09-10 14:21:00 IST	2021-09-10 14:20:00 IST	Windows User	Microsoft Office Word	Windows User	
2021-09-10 13:42:00 IST	2021-09-10 09:28:00 IST	2021-09-10 14:22:00 IST	Windows User	Microsoft Office Word	Windows User	
2021-09-10 14:20:40 IST	2021-09-10 14:20:40 IST		Windows User			1.5
2021-09-28 11:28:00 IST	2021-09-28 19:14:00 IST	2021-09-28 16:55:00 IST	LENOVO	Microsoft Office Word	LENOVO	
2021-09-28 19:14:57 IST	2021-09-28 19:14:57 IST		LENOVO			1.5
2021-10-15 04:59:00 IST	2021-10-15 12:30:00 IST		LENOVO	Microsoft Office Word	LENOVO	
2021-10-15 13:20:16 IST	2021-10-15 13:20:16 IST		LENOVO			1.5
2021-10-30 14:27:00 IST	2021-11-01 09:29:00 IST	2021-11-01 08:28:00 IST	LENOV190	Microsoft Office Word	LENOVO	
2021-11-01 08:28:14 IST	2021-11-01 08:28:14 IST		LENOV190			1.5
2021-11-05 12:35:00 IST	2021-11-05 15:30:00 IST	2021-11-05 15:29:00 IST	LENOVO	Microsoft Office Word	LENOVO	
2021-11-05 15:31:23 IST	2021-11-05 15:31:23 IST		LENOVO			1.5
2021-11-17 05:54:00 IST	2021-11-17 11:20:00 IST		LENOVO	Microsoft Office Word	LENOVO	
2021-11-17 06:14:45 IST	2021-11-17 06:14:45 IST		LENOVO			1.5
2021-11-17 11:20:57 IST	2021-11-17 11:20:57 IST		LENOVO			1.5
2021-11-17 11:22:00 IST	2021-11-17 11:22:00 IST	2021-11-17 11:20:00 IST	LENOVO	Microsoft Office Word	LENOVO	
2021-11-17 11:22:59 IST	2021-11-17 11:22:59 IST		LENOVO			1.5
2021-11-29 13:55:00 IST	2021-11-29 13:55:00 IST		Nikhitha Alokam	Microsoft Office Word	LENOVO	
2021-11-29 14:44:00 IST	2021-11-29 14:54:00 IST		Nikhitha Alokam	Microsoft Office Word	LENOVO	