

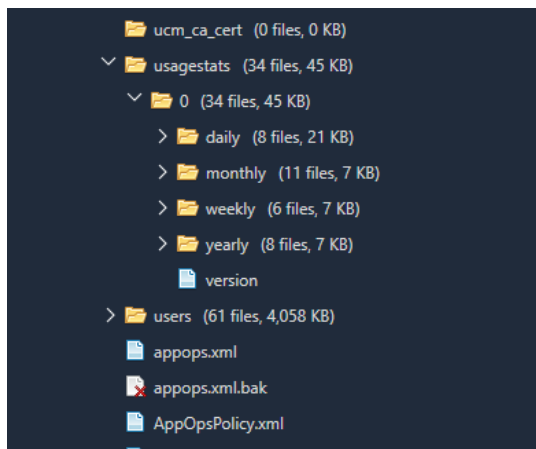
Usage Stats\Recent Task Parser

March 7, 2019

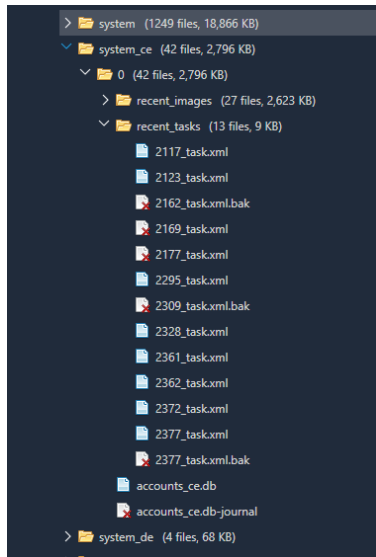
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This tool will display information Usage Stats xml files and Recent Task xml files.

The Usage Stats files track a user's application usage. The folder can be found on an Android device at `\data\system\usagestats`. The xml files can be found in the daily, weekly, monthly, and yearly folder. For the tool to parse these files, copy out the usagestats folder to your computer from the extracted data.



The Recent Task xml files also tracks a user's application use. The folder can be found at `\data\system_ce\0\recent_tasks`. For the tool to parse these xml file, copy out the recent_task folder to your computer from the extracted data. You will also need to copy the recent_images folder located at `\data\system_ce\0\recent_images` and snapshots located at `\data\system_ce\0\shortcut_service\snapshots`. These folders contain images associated to the recent task xml files. It is common that a phone will not have a snapshots folder. The tool will still parse the recent_task xml files even if the recent_images or snapshots folders are not extracted, but the report will not have the corresponding task images.



When you export these folders out of your extracted data it is important to store the folder next to each other in a folder.

recent_images	✓	3/6/2019 3:25 PM	File folder
recent_tasks	✓	3/6/2019 3:25 PM	File folder
snapshots	✓	3/6/2019 3:25 PM	File folder
usagstats	✓	3/6/2019 3:26 PM	File folder

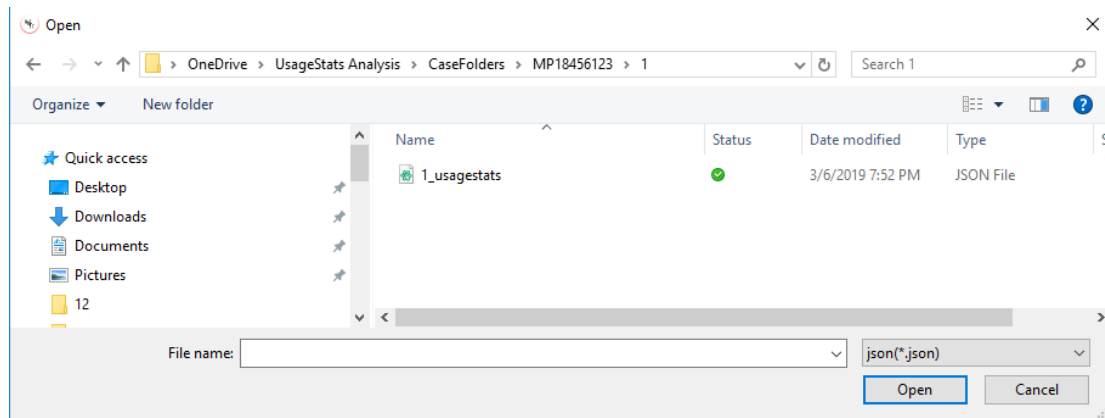
The only difficult part of the tool is to know which folder to select when parsing the data.

To parse the usagstats folder select the usagstats folder.

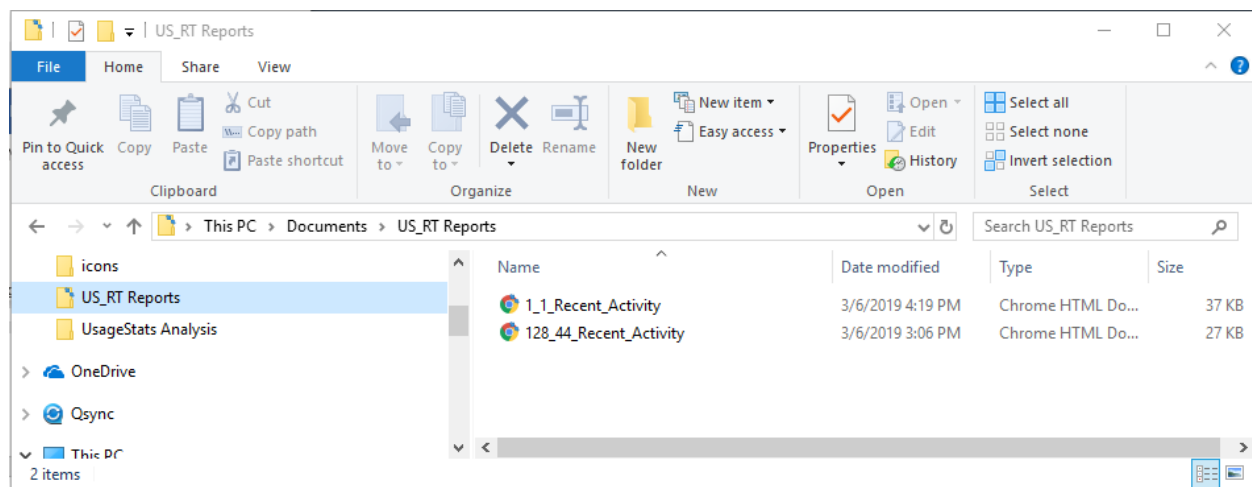
Name	Status	Date modified	Type	Size
recent_images	✓	3/6/2019 3:25 PM	File folder	
recent_tasks	✓	3/6/2019 3:25 PM	File folder	
snapshots	✓	3/6/2019 3:25 PM	File folder	
usagstats	✓	3/6/2019 3:26 PM	File folder	

To parse the recent_tasks folder select the recent_tasks folder. The tool will parse the associated recent_images and snapshots folder, if present, if they are in the same folder as the recent_tasks folder.

The tool creates a case folder and item folder for each item. The case folders will be located in the same location as this program under a folder called CaseFolders. To load a previous case open a case and navigate to the .json folder for the file type and item that you wish to open.



When creating a report, all report will be stored in you ~\Documents\US_RT Reports



For more info on these files please read:

Usagestats: <https://abrignoni.blogspot.com/2019/02/android-usagestats-xml-parser.html>

Recent tasks: <https://abrignoni.blogspot.com/2019/02/android-recent-tasks-xml-parser.html>

Known Errors:

We have seen a couple times that after processing a case the table did not load. When this happens select open file and pick the associated .json file and the table will load.

In one case the usage stats .xml files were not named after a UNIX timestamp. They were named 0.xml which caused the application usage start time to be wrong. It was easy to identify in the table because the times were all in 1970.

If you have any issues with the program please email Alex at 4n6@abrignoni.com, @AlexisBrignoni or Chris at chrisw706@gmail.com, @RD4N6.