```
$> Preserve, redact, discard? [P/r/d]
$> Human-Readable Reporting on Complex Data Sources
to Support Data Triage Decisions
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Kam Woods, BitCurator Technical Lead University of North Carolina at Chapel Hill SILS CurateGear 2013 - January 9





The Andrew W. Mellon Foundation

BitCurations Tools for Digital Forensics Methods and Workflows in Real-World Collecting Institutions

The BitCurator Project is an effort to build, test, and analyze systems and software for incorporating digital forensics methods into the workflows of a variety of collecting institutions.

BitCurator uses open source and public domain software drawn from the digital forensics community, along with internally developed GPLv3 licensed software to assist in analyzing born-digital materials.

Intended to to work alongside or augment existing preservation and archiving environments.

Two ways to use the software: as part of a pre-configured virtual machine, or as independent software modules and scripts.

http://www.bitcurator.net/

http://wiki.bitcurator.net/

- Funded by Andrew W. Mellon Foundation October 1, 2011 September 30, 2013
- Partners: SILS and Maryland Institute for Technology in the Humanities (MITH)
- Core Team:
 - Cal Lee, Pl
 - Matt Kirschenbaum, Co-Pl
 - Kam Woods, Technical Lead; Sunitha Misra, Software Development
 - Alex Chassonoff, Project Manager (UNC SILS), Porter Olsen, GA (MITH)

Professional Experts Panel	Development Advisory Group
 Bradley Daigle, University of Virginia Library Erika Farr, Emory University Jeremy Leighton John, British Library Leslie Johnston, Library of Congress Courtney Mumma, City of Vancouver Archives Naomi Nelson, Duke University Erin O'Meara, Gates Archive Michael Olson, Stanford University Libraries Gabriela Redwine, Harry Ransom Center, University of Texas Susan Thomas, Bodleian Library, University of Oxford 	 Geoffrey Brown, Indiana University Barbara Guttman, National Institute of Standards and Technology Jerome McDonough, University of Illinois Mark Matienzo, Yale Unive Geoffrey rsity David Pearson, National Library of Australia Doug Reside, New York Public Library Seth Shaw, University Archives, Duke University William Underwood, Georgia Tech Peter Van Garderen, Artefactual Systems



Source: Simson Garfinkel

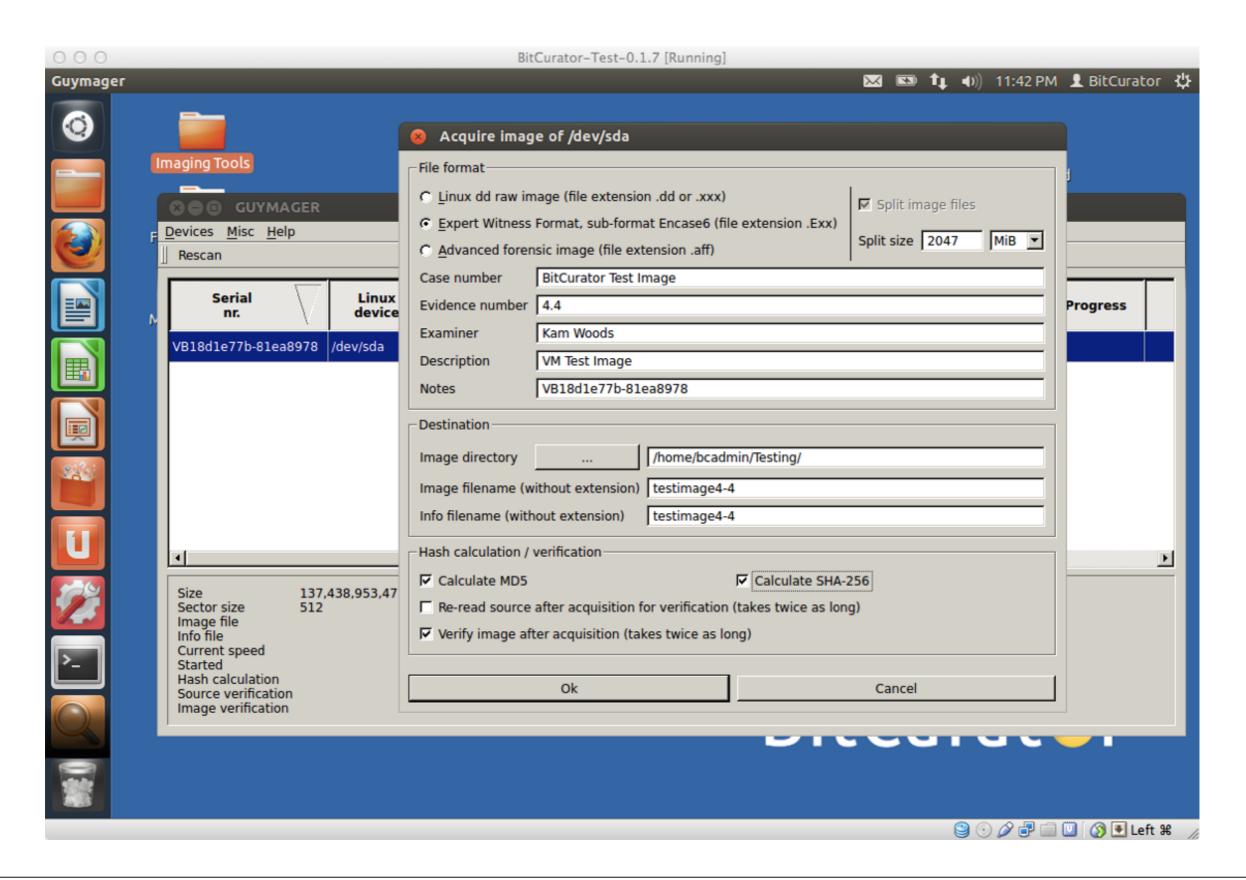


Source: "Digital Forensics and creation of a narrative." *Da Blog: ULCC Digital Archives Blog.* http://dablog.ulcc.ac.uk/2011/07/04/forensics/

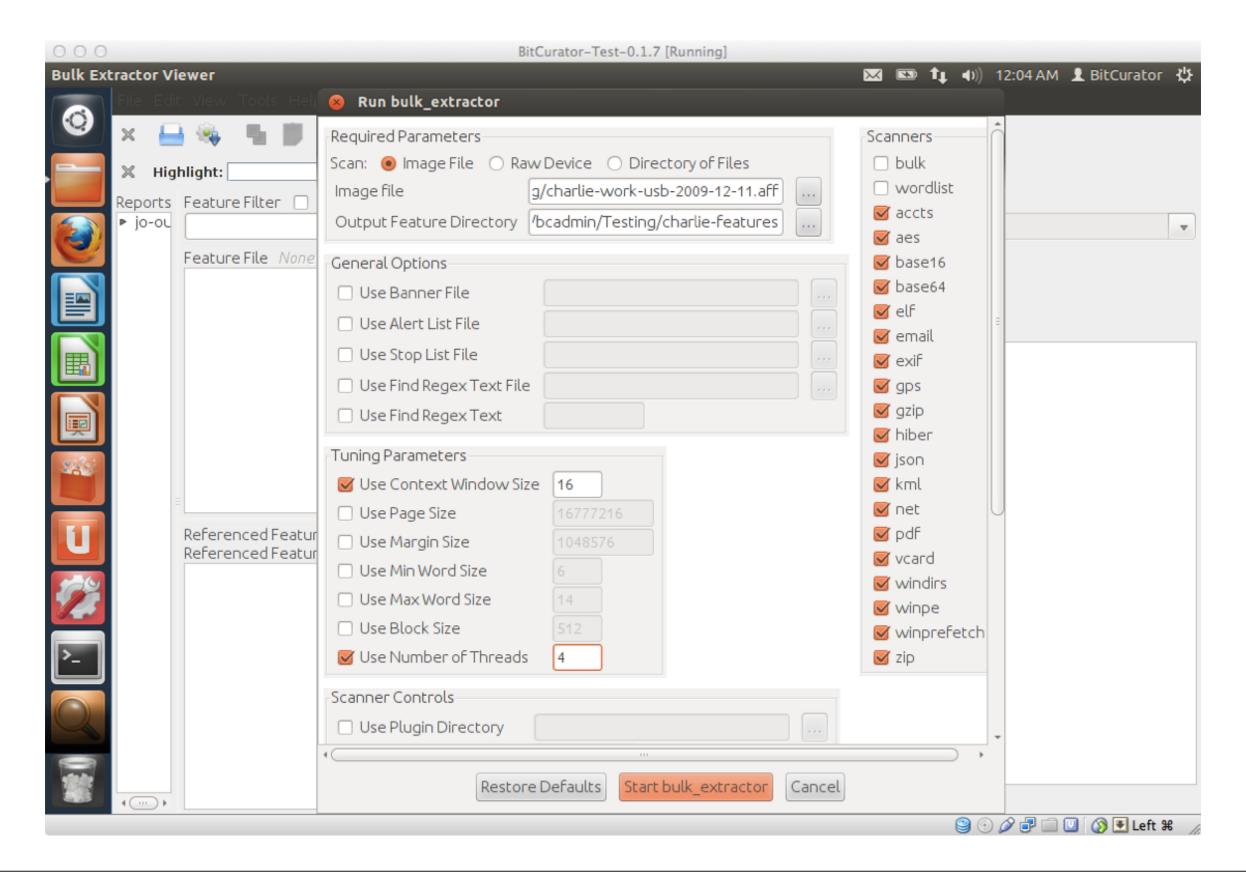


Source: BitCurator

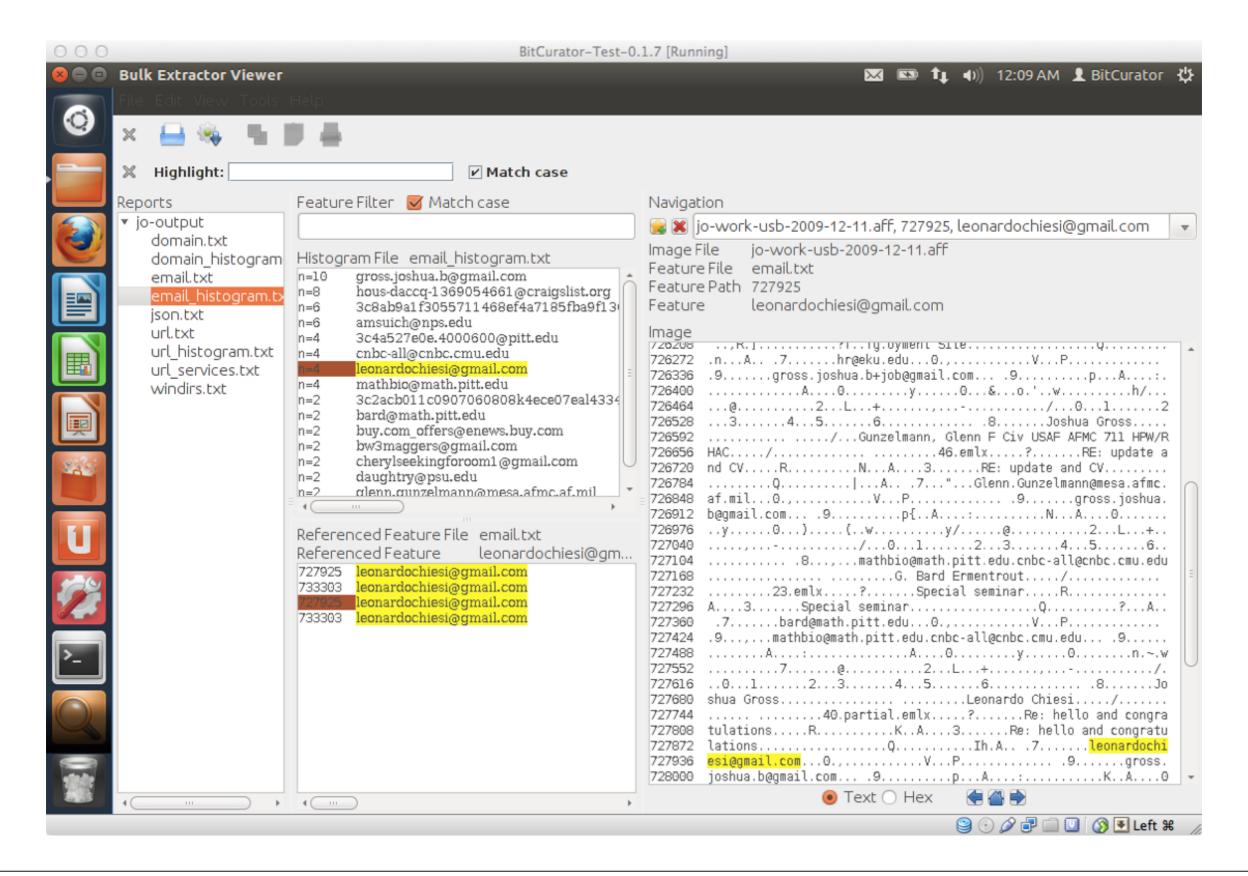
How do I know I'm not changing anything on the disk?



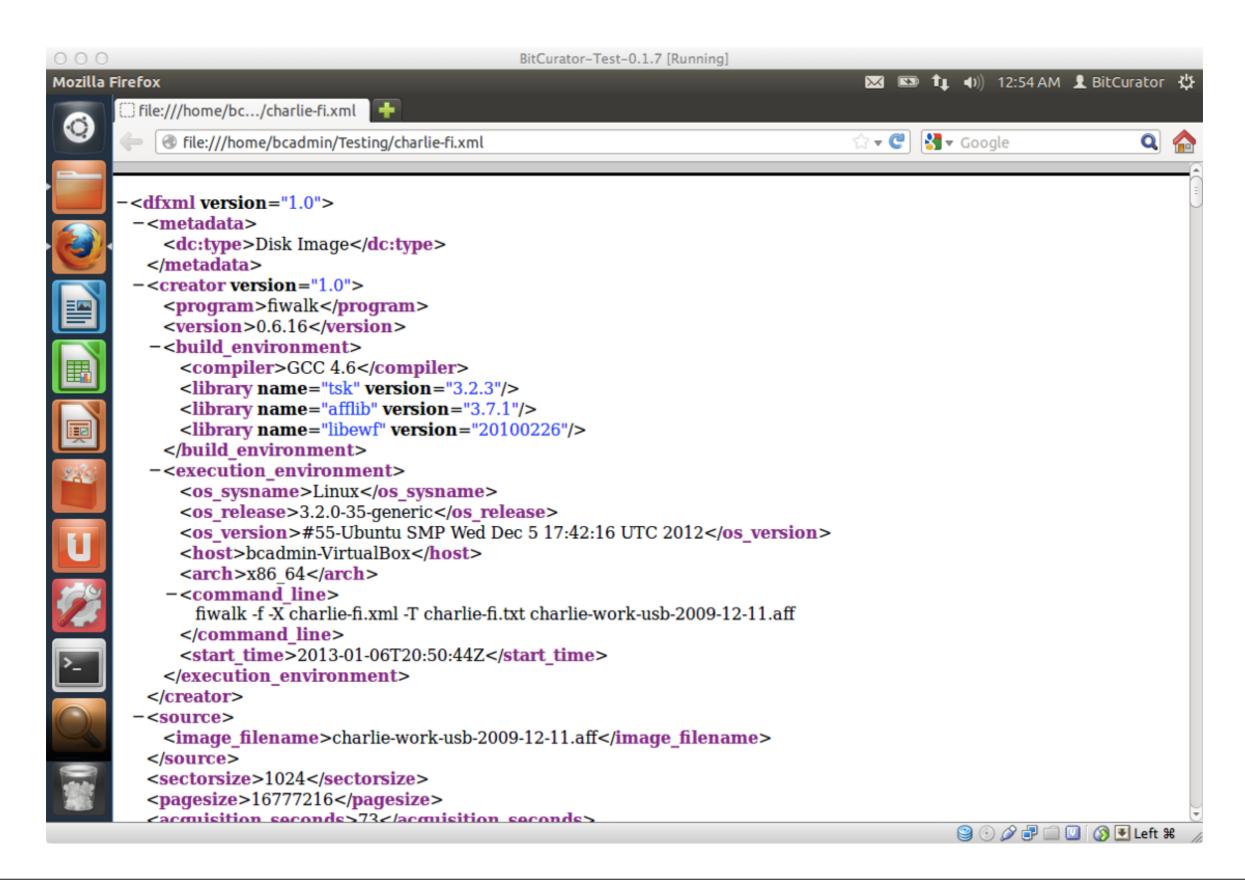
How do I know I've found everything there is to find?



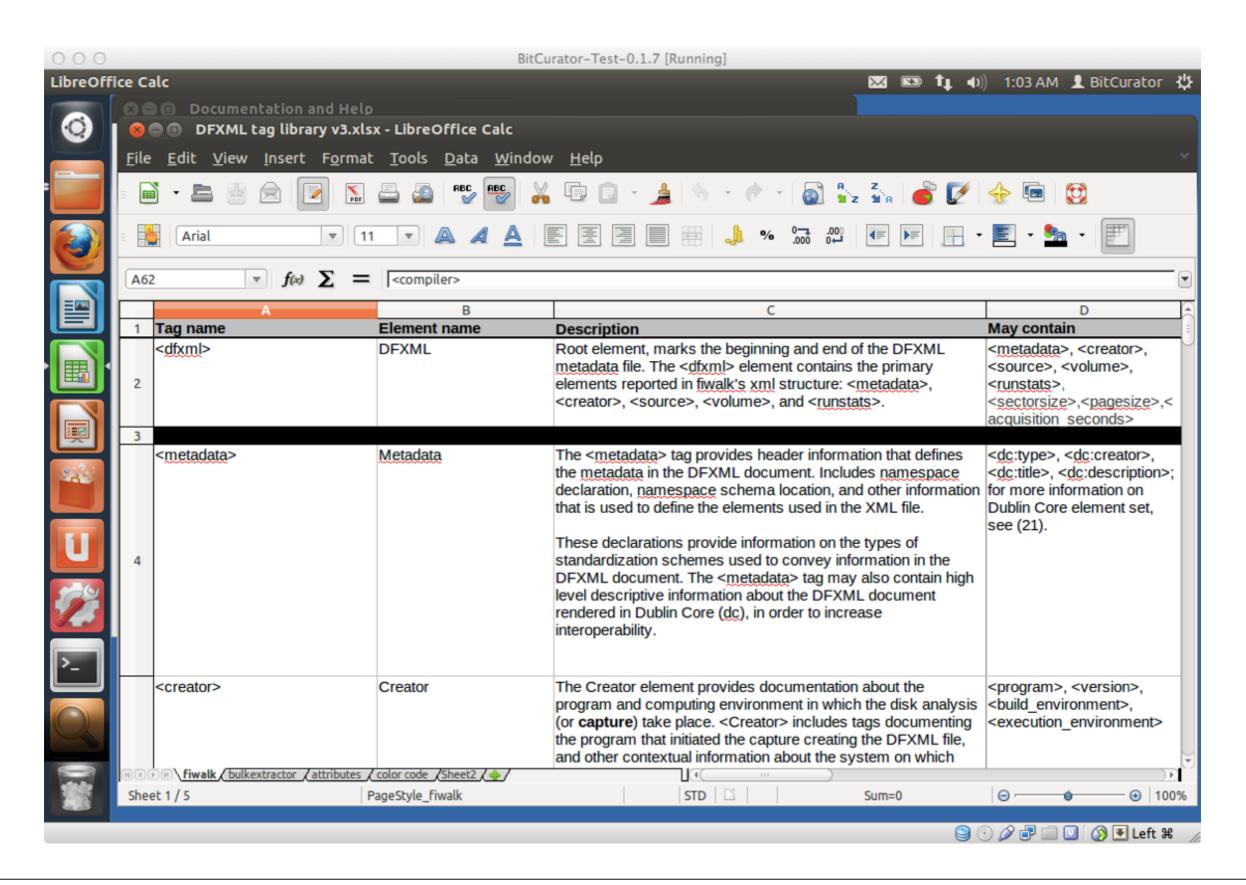
How do I figure out where the important things are?



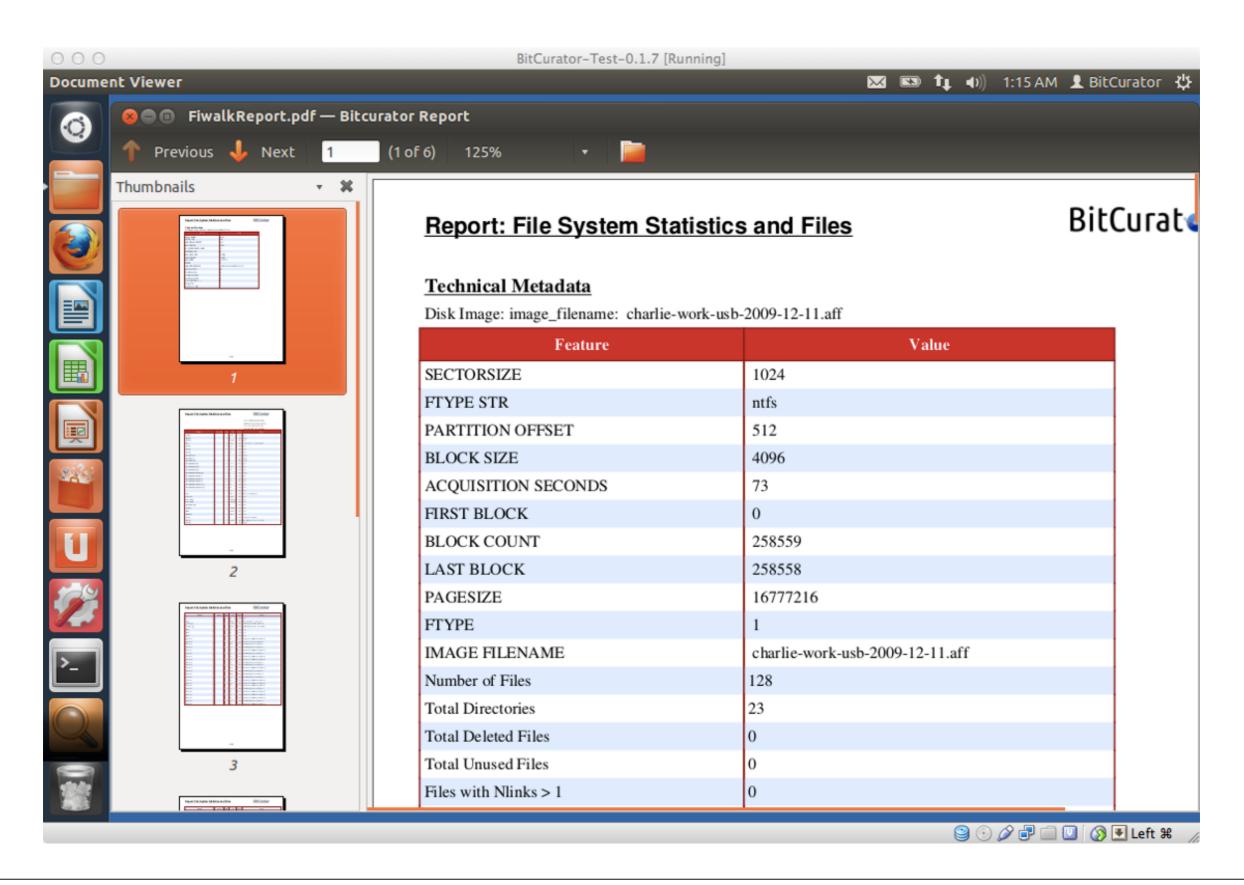
What if I just want the metadata?



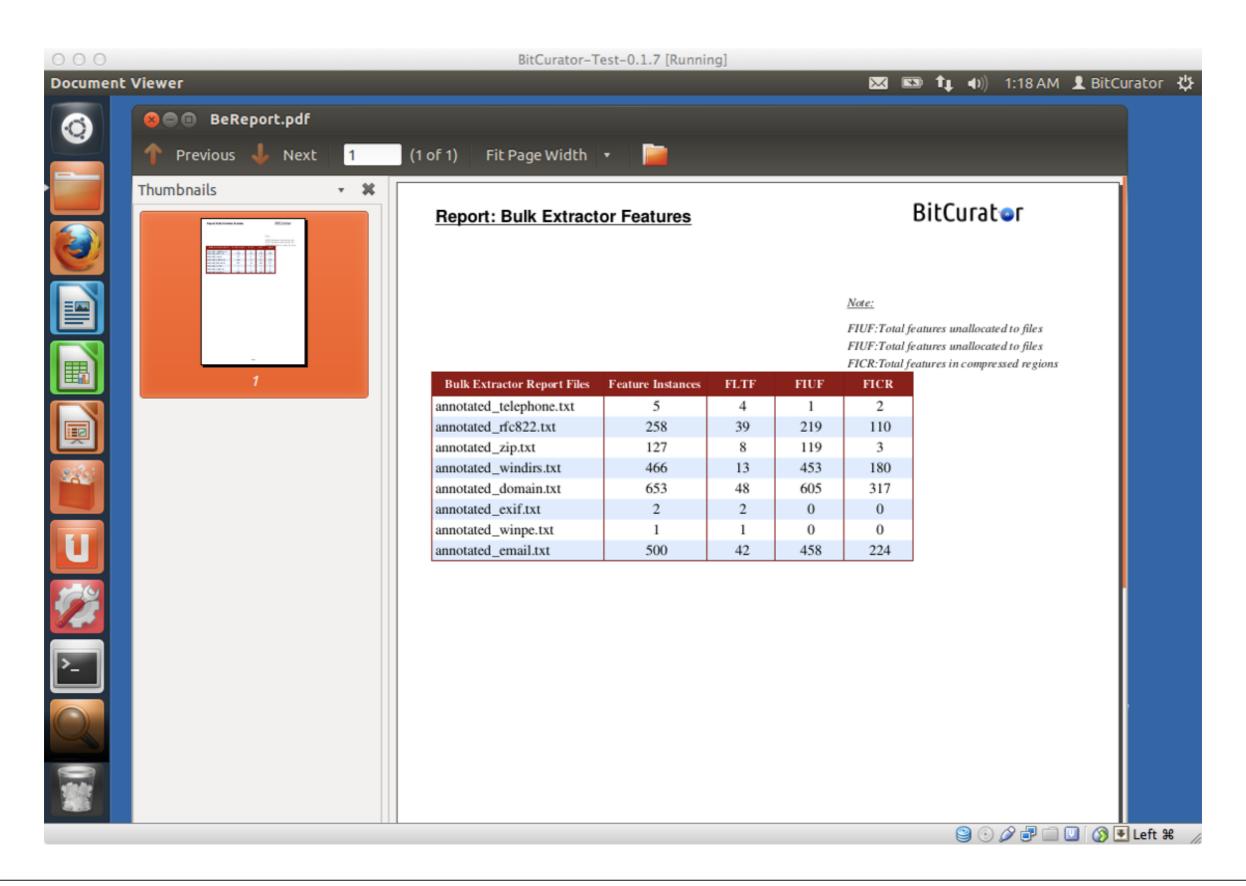
What if I'm not familiar with this kind of metadata?



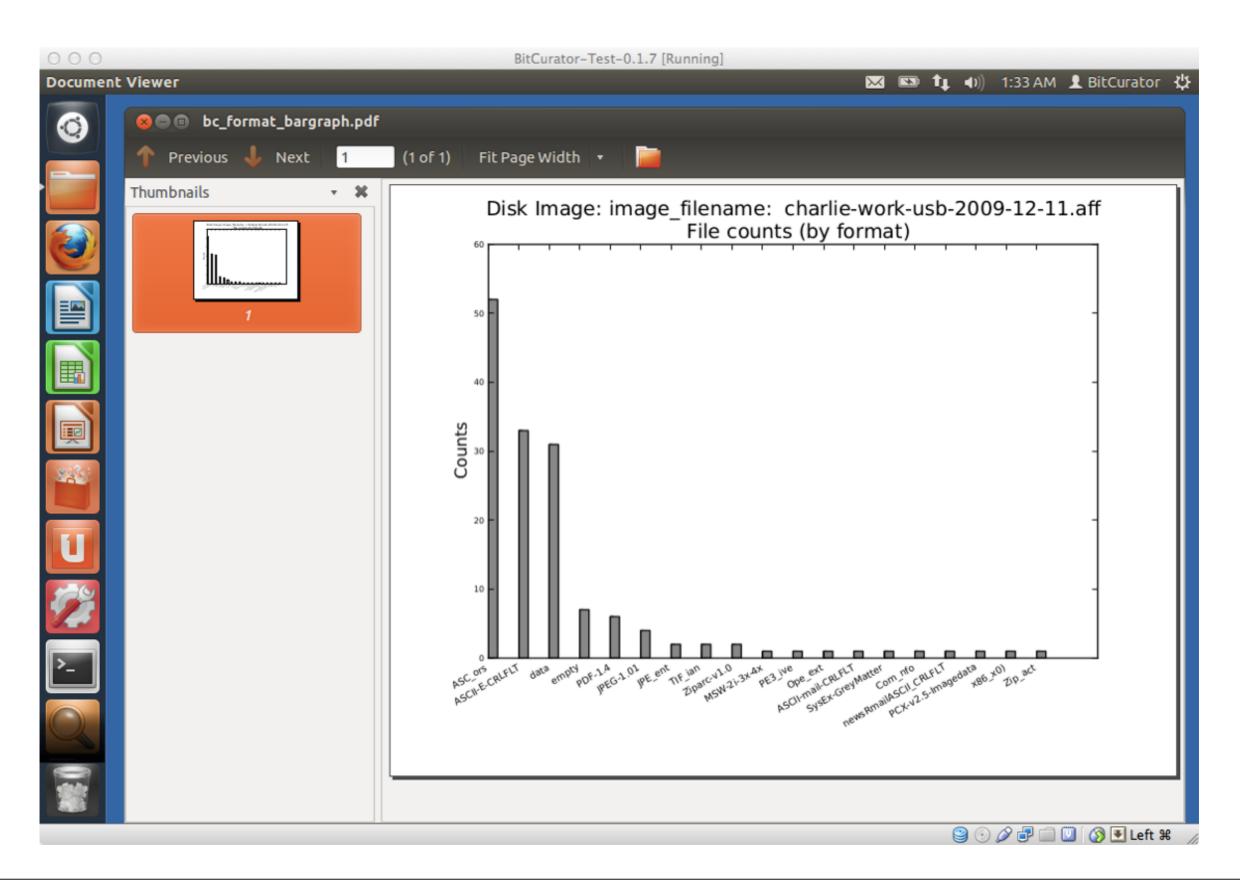
What if I need information on the file system(s)?

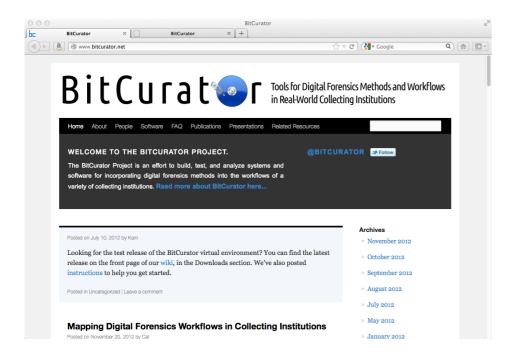


How about just the private and sensitive information?

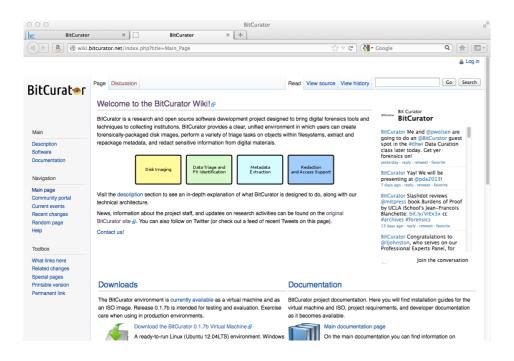


What if I just need a visual cue for what's on the media?





People
Project overview
News
http://www.bitcurator.net/



Get the software

Documentation and technical specifications

Google Group

http://wiki.bitcurator.net/



Thank you!





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