# BCA-Webtools: Accessing and Visualizing Disk Images in a Web Browser

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CurateGear January 14, 2016 Chapel Hill, NC



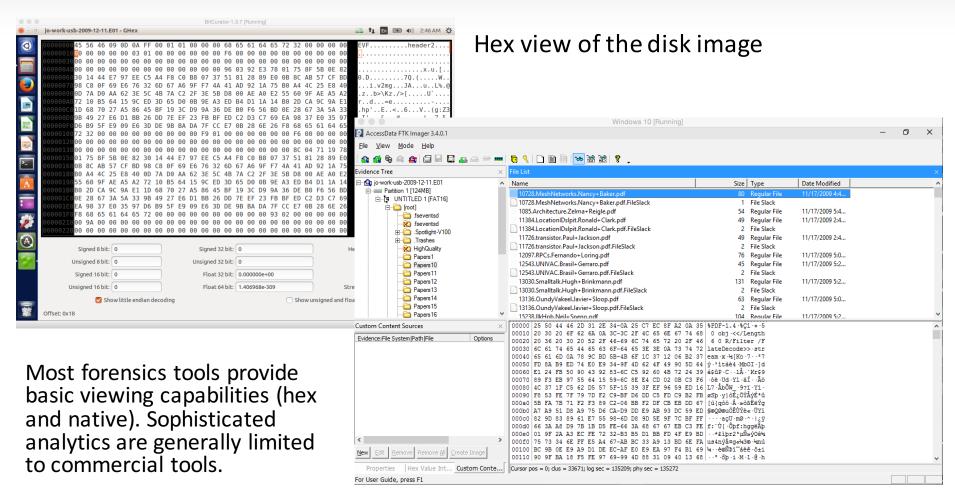


The Andrew W. Mellon Foundation





# Lot of ways to look at this data once it has been captured, but many of these tools require significant expertise



#### ...can we do better?



#### The BitCurator Access Project

BitCurator Access is a two-year Andrew W. Mellon Foundation funded project (October 1, 2014 – September 30, 2016) housed in the School of Information and Library Science at the University of North Carolina at Chapel Hill.

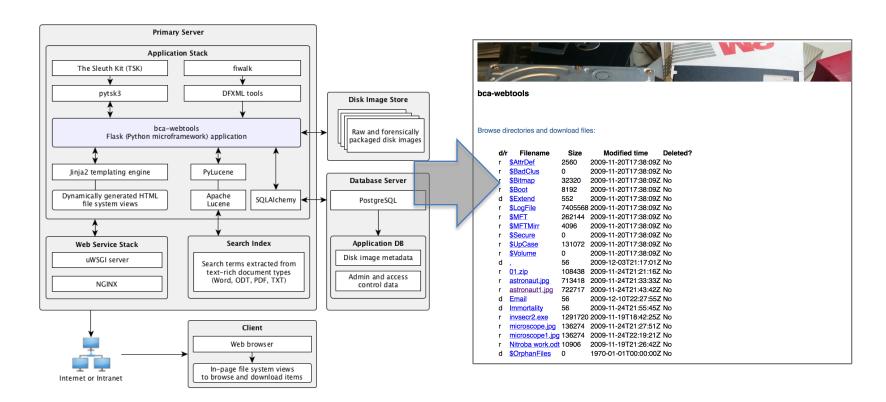
We're developing open source software to support access to disk images. Three core approaches:

- (1) Tools and reusable libraries to support web access services for disk images
- (2) Analyzing contents of file systems and associated metadata
- (3) Redacting complex born-digital objects (disk images) and emulated access to redacted images

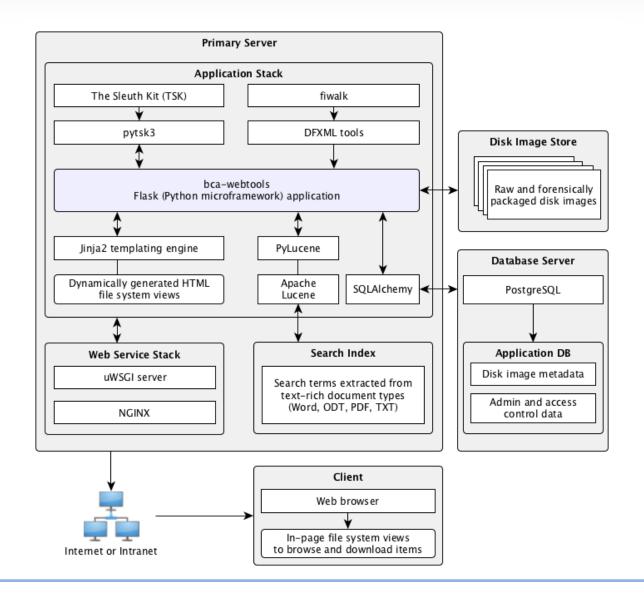


Using lightweight web service tools along with digital forensics libraries to produce sophisticated navigation and management interfaces for disk images via a web browser.

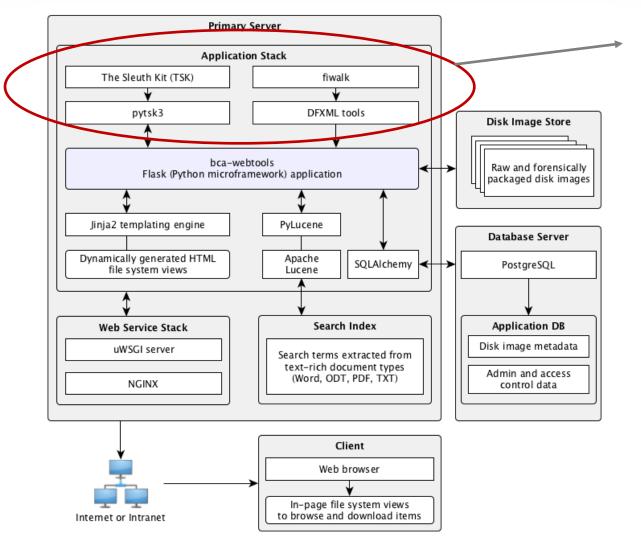
Drop your disk images into a network accessible location, start the service, and begin browsing.



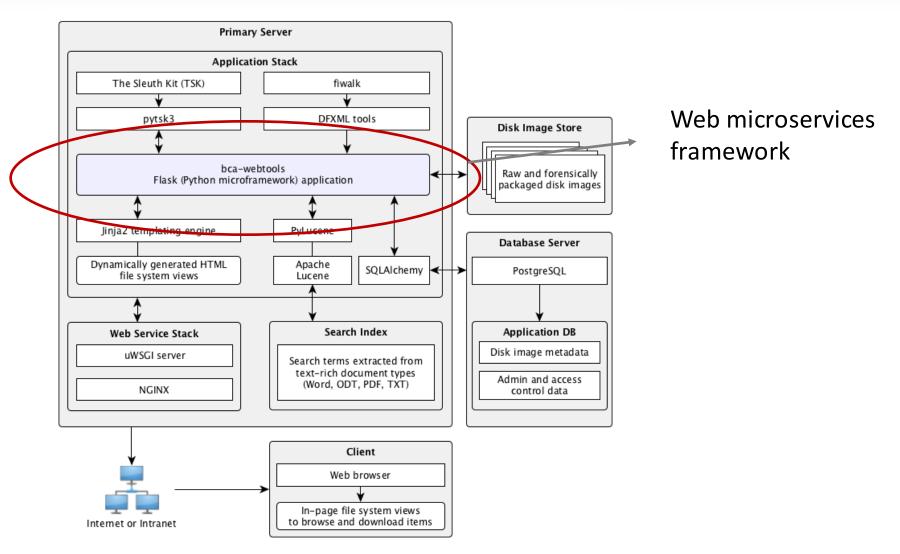




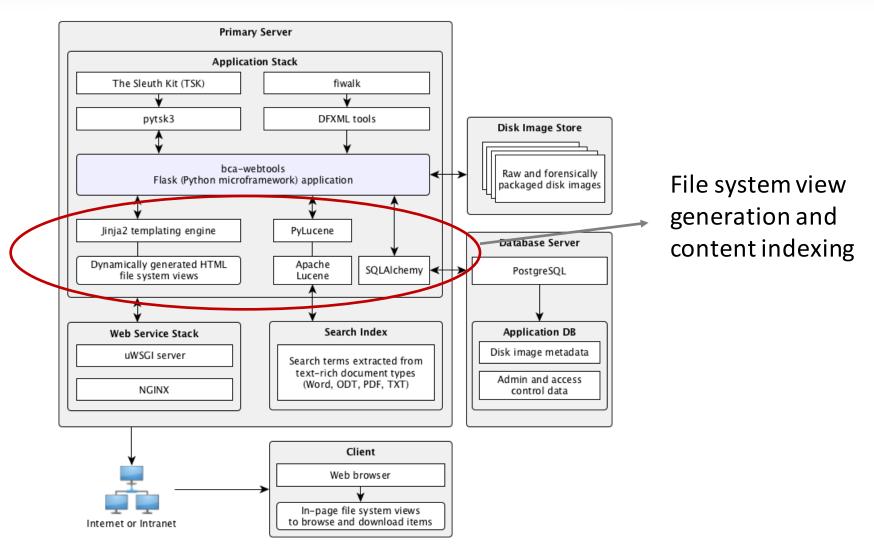




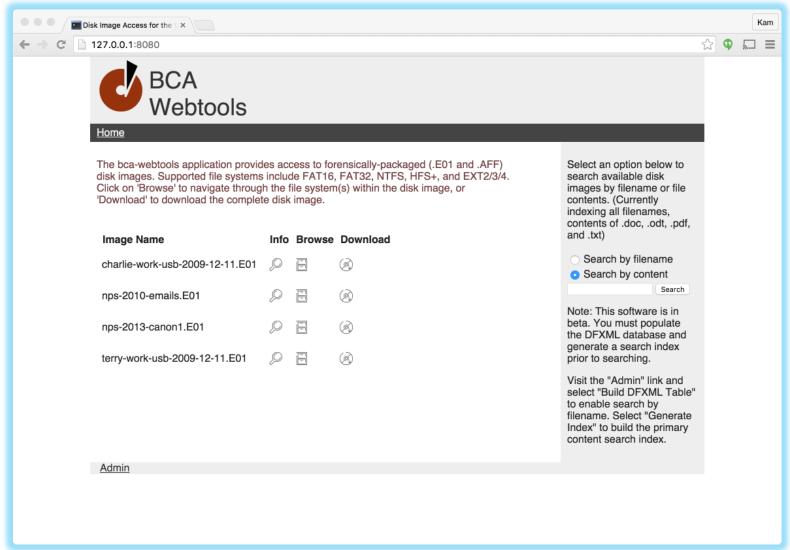
Forensic support libraries / applications



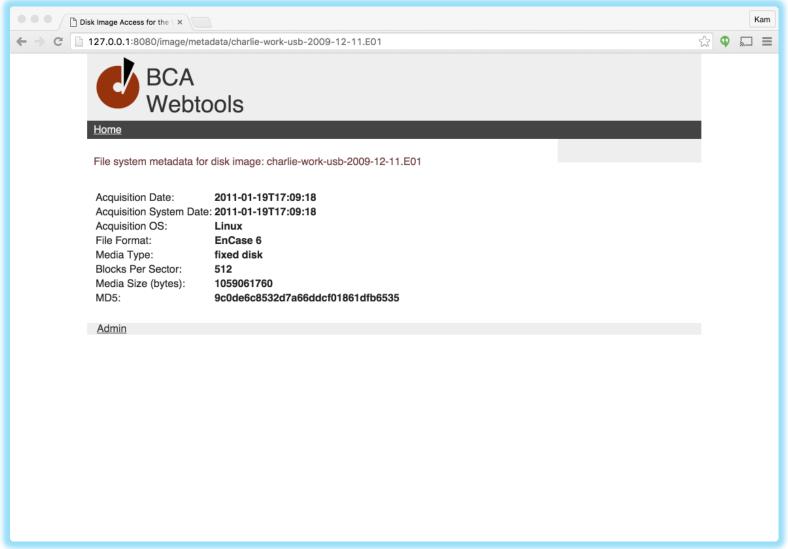


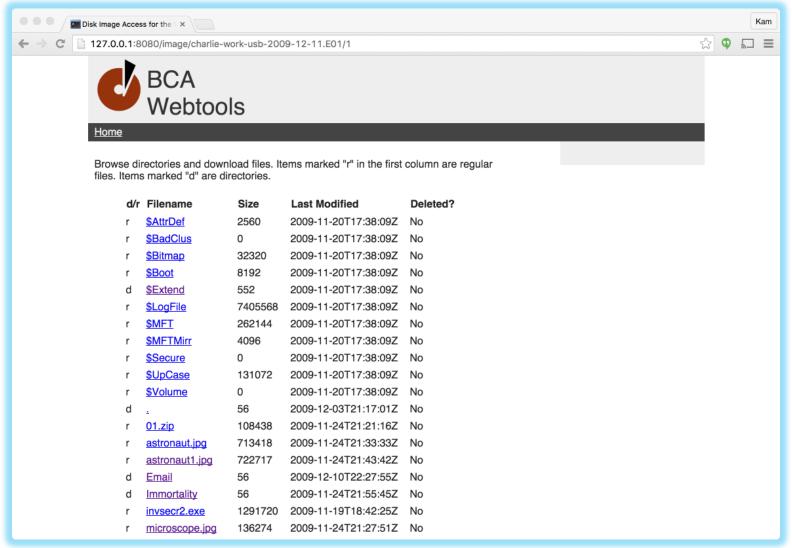




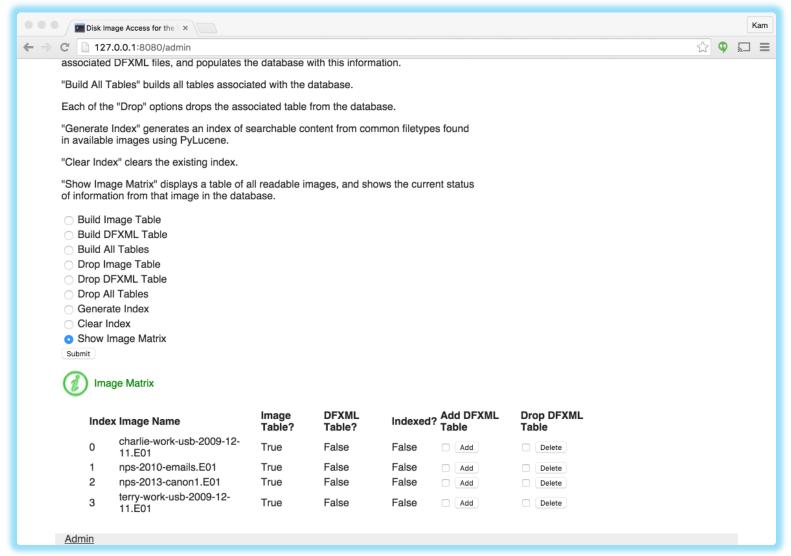














#### My Research

A few of the BitCurator team's friends (partners, advisors, or funders):















STANFORD UNIVERSITY LIBRARIES















...and many others contributing in the Google Group:

https://groups.google.com/forum/#!forum/bitcurator-users



#### The BitCurator Access Team



Cal Lee



Kam Woods - Technical Lead and Co-Pl



Alex Chassanoff
Project Manager

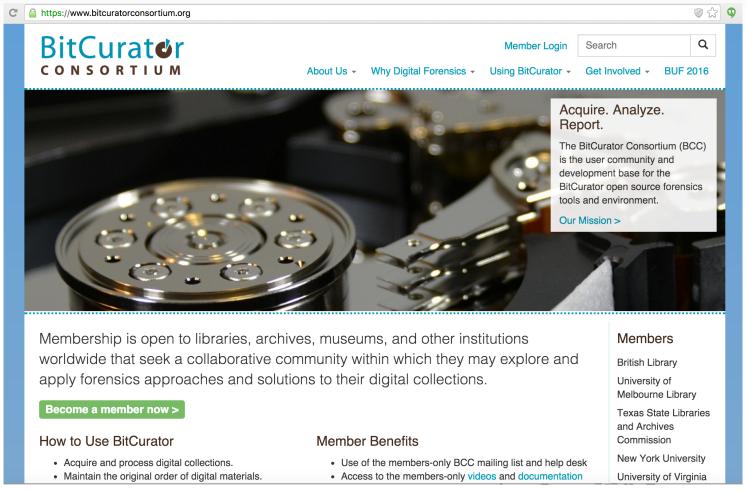


Sunitha Misra Software Developer

...and our advisory board: http://www.bitcurator.net/bitcurator-access-people/



# Ongoing support for the BitCurator environment is being managed by the BitCurator Consortium



https://www.bitcuratorconsortium.org/



#### **BitCurator Access and BitCurator Environment Resources**



Software
Documentation
Google Group
<a href="http://wiki.bitcurator.net/">http://wiki.bitcurator.net/</a>
<a href="http://access.bitcurator.net/">http://access.bitcurator.net/</a>



Project overview
Publications
News
Consortium and Membership
<a href="http://www.bitcurator.net/">http://www.bitcurator.net/</a>
<a href="https://www.bitcuratorconsortium.org/">https://www.bitcuratorconsortium.org/</a>

Or find the research group on Twitter: @bitcurator

