

AD Lab



Divide, Collaborate and Conquer!

Complete caseload control through division of labor, collaborative analysis, centralized case management and web-based review.



Digital forensics units throughout the world are inundated with ever-growing caseloads and increasingly massive data sets. **AD Lab helps forensics labs gain control over their caseload by enabling examiners to work cases faster and more efficiently.**

AD Lab is a centralized investigative platform that enables division of labor, collaborative analysis, centralized case management and web-based review, thereby dramatically streamlining the investigative process. It enables computer forensic labs facing an array of challenges to work more effectively by distributing data processing to several forensic specialists. Specialists are able to provide input from their fields of expertise, dramatically increasing case processing and resolution speed.

Work cases faster by leveraging a centralized database that facilitates collaboration, proper case review and analysis.

AD Lab allows both forensic examiners and those without any computer forensics training to review and comment on data through a secure web interface. This enables both computer forensics colleagues and non-technical players, such as attorneys, human resources personnel and outside experts, to participate in the investigative process without delay, regardless of their locations. With this “divide and conquer” approach, high-priority cases can be turned around at speeds that no single investigator could achieve. While this platform enables collaboration, examiners are still able to work an entire case on their own workstations.

Handle large case data sets to ensure proper forensic readiness through a single distributed platform.

The traditional model in which one examiner works a case from beginning to end (linear investigation) is no longer the most productive approach due to the ever-increasing case backlogs and data volumes. Remove the confines of traditional stand-alone solutions through a distributed platform that can handle large case data sets as well as reduce the constraints related to time and budgetary challenges. Increasingly cases demand a solution that amplifies existing resources while increasing efficiency. With AD Lab each investigator can control who is able to view specific data sets with granular, role-based permissions. This enables each responsible party to participate in the investigative process according to their area of expertise, thus maximizing the use of digital evidence while minimizing costs associated with the investigation.

Key Features

Examiners can work their own cases, sharing a centralized infrastructure for storage and processing.

Electronic evidence can be fully secured at the case or file level.

Granular, role-based permissions allows administrators to assign users to a given case or set of data within a case.

Restrict users by feature, so only qualified users can access more advanced functions.

Multi-machine forensic analysis with wizard-driven processing, filtering and reporting.

Market-leading decryption password cracking and recovery.

Simultaneous collaboration is enabled through database backend.

Distributed processing allows investigators to process massive amounts of data with ease.

User-friendly web interface enables true native review without having to convert to HTML or image format.

Integrates with FTK®, AD Enterprise and AD eDiscovery to streamline investigations for law enforcement, government and corporate labs.



With FTK and AD Lab, we are able to quickly train investigators to use the interface and collaborate on early case assessment. This frees up highly qualified digital forensics analysts to focus on analysis.

Major Keith Miller, Officer Commanding, Service Police Crime Bureau, Royal Military Police

Key Benefits

MANAGE MULTIPLE CASES AND MULTIPLE EXAMINERS

- Examiners in distributed labs can work together on the same case.
- Role-based case access controls who can view which cases and associated data.

STREAMLINE THE INVESTIGATIVE PROCESS WITH COLLABORATIVE ANALYSIS

- Collaborate on the same case at the same time, utilizing a division-of-labor approach.
- Examiners can each work their own cases, sharing a centralized infrastructure for storage and processing.
- Examiners using FTK as well as non-technical users can work a case at the same time.
- Easy to use web based review console delivers advanced analytics:
 - » Email discussion threading.
 - » Sophisticated searching capabilities: Fuzzy, Stemming, Related Words, Phonic, Wildcard, Proximity and Concept.
 - » Search hit highlighting in files, emails and attachments.
 - » Search relevancy ranking.
 - » Advanced tagging/labeling options.
 - » Bookmark items into categories and include comments.
 - » Split screen support.
 - » And more...

ENTERPRISE-CLASS, CENTRALIZED ARCHITECTURE FOR EASE OF USE AND MANAGEMENT

- Database backend enables simultaneous collaboration.
- Centralized processing indexing and data storage.
- Fully leverage the cutting-edge data processing and analysis capabilities of Forensic Toolkit® (FTK®) technology:
 - » Customizable interface.
 - » Advance data modeling.
 - » Unsurpassed email analysis.
 - » Memory search and analysis.
 - » Utilize 100 percent of hardware resources from multi-threaded/multi-core computers during case data processing.
 - » And more...

AD Lab vs. FTK

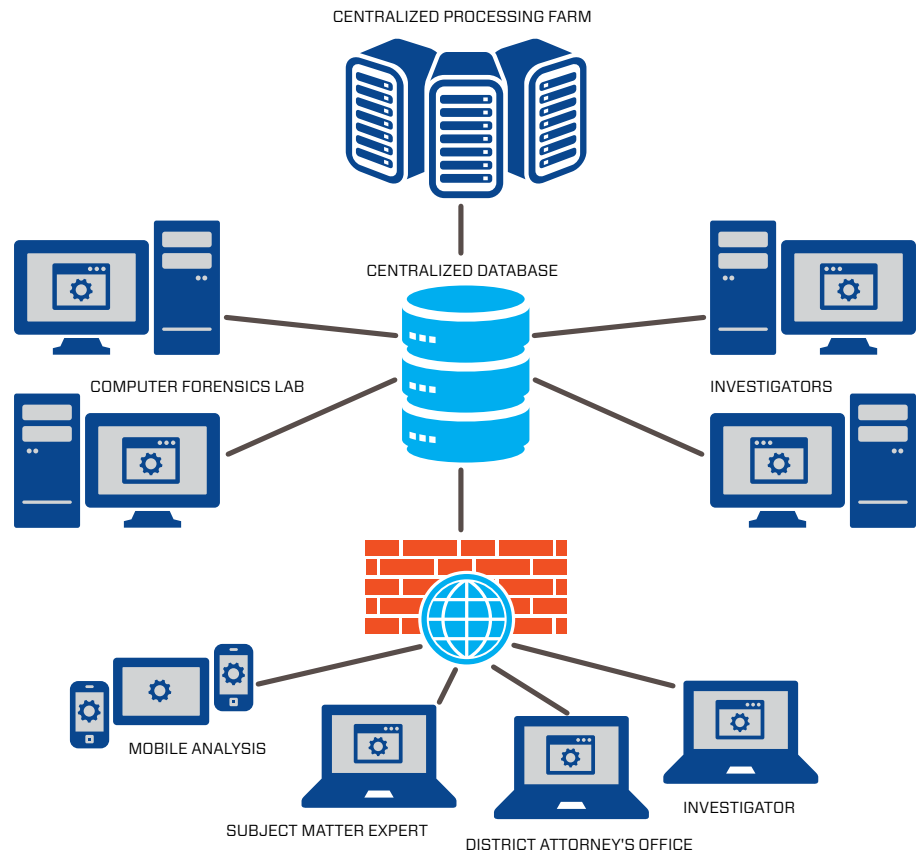
A single-person lab can radically speed up the processing of cases with the four-worker distributed processing available with FTK. However, forensic analysis labs handling massive data sets, utilizing a distributed workforce, or looking to collaborate with attorneys, HR personnel or other non-forensic parties can step up to AD Lab. This can be accomplished without sacrificing any of the expert capabilities of FTK! FTK is 100% interoperable with AD Lab. Login to FTK and use it alongside another team of reviewers working in the web-based console.

	Forensic Toolkit (FTK)	AD Lab
Processing Engines	3 additional processing engines	Multiple cluster processing engines
Database User Access	Supports a single database for a single installation of the UI (multiple users have to log in one at a time)	Supports a single instance of a database with multiple users logged in concurrently
Web Review Interface	Not Available	Yes
Permissions	Basic	Granular
Backup	Each installation requires dedicated backup and case data management	Single point of backup for all users, cases, evidence, database, etc.
Email Threading	Not Available	Yes
Email Deduplication	Not Available	Yes
OCR	Basic OCR	Enhanced OCR
Load File Generation	Not Available	Yes



AD Lab | Sample Architecture

Divide and conquer by taking an enterprise approach to large case data through collaboration and a centralized AD Lab solution.



Case Study: Royal Military Police choose AD Lab because it enables them to work faster and more efficiently with large data sets.

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