



## The Regional Computer Forensics Lab System

*By*

**Sean O'Brien**

*Presented At*

The Digital Forensic Research Conference

**DFRWS 2014 USA** Denver, CO (Aug 3<sup>rd</sup> - 6<sup>th</sup>)

DFRWS is dedicated to the sharing of knowledge and ideas about digital forensics research. Ever since it organized the first open workshop devoted to digital forensics in 2001, DFRWS continues to bring academics and practitioners together in an informal environment. As a non-profit, volunteer organization, DFRWS sponsors technical working groups, annual conferences and challenges to help drive the direction of research and development.

<http://dfrws.org>



# Digital Forensics

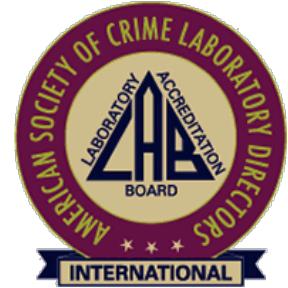
## A Law Enforcement Perspective



Squad I-5 – FBI Denver Division

August 5, 2014

SSA Sean K. O'Brien  
Laboratory Director





# Mission = Service

The Rocky Mountain RCFL is a one stop, full service forensics laboratory and training center devoted entirely to the examination of digital evidence in support of criminal and national security investigations such as:

- Terrorism/Counter Intelligence
- Violent Crime
- Computer Intrusions
- Child Exploitation
- Violent Crimes
- Property Crimes
- Financial Crime
- Training – other law enforcement agencies
- On-site imaging
- Most things digital
- Expert witness testimony



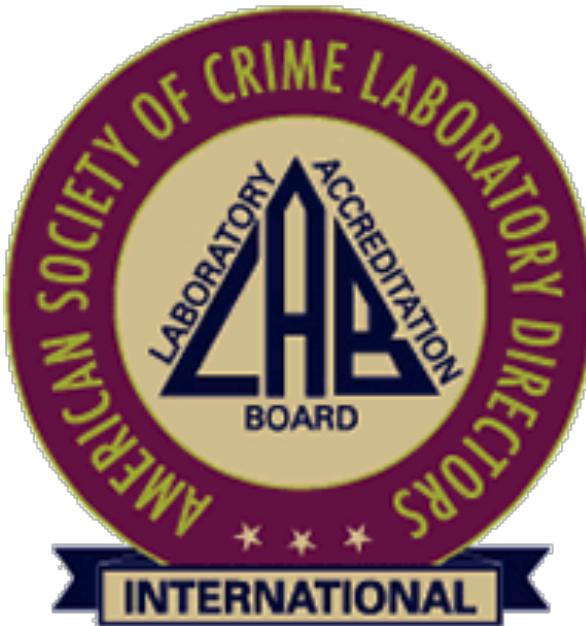
# The FBI Story – Digital Evolution





# ASCLD/LAB Accreditation

## ISO 17025:2005



- Standard Operating Procedures (SOP)
- Quality Assurance Policy
- 100% Technical/Administrative Review
- Expert Witness



# Participating Agencies

- 18<sup>th</sup> Judicial District DA's Office
- Adams County Sheriff's Office
- Arvada Police Department
- Aurora Police Department
- Colorado Bureau of Investigation
- Commerce City Police Department
- Denver District Attorney's Office
- Denver Police Department
- Douglas County Sheriff's Office
- Federal Bureau of Investigation
- Jefferson County Sheriff's Office
- Lakewood Police Department
- Littleton Police Department
- Thornton Police Department





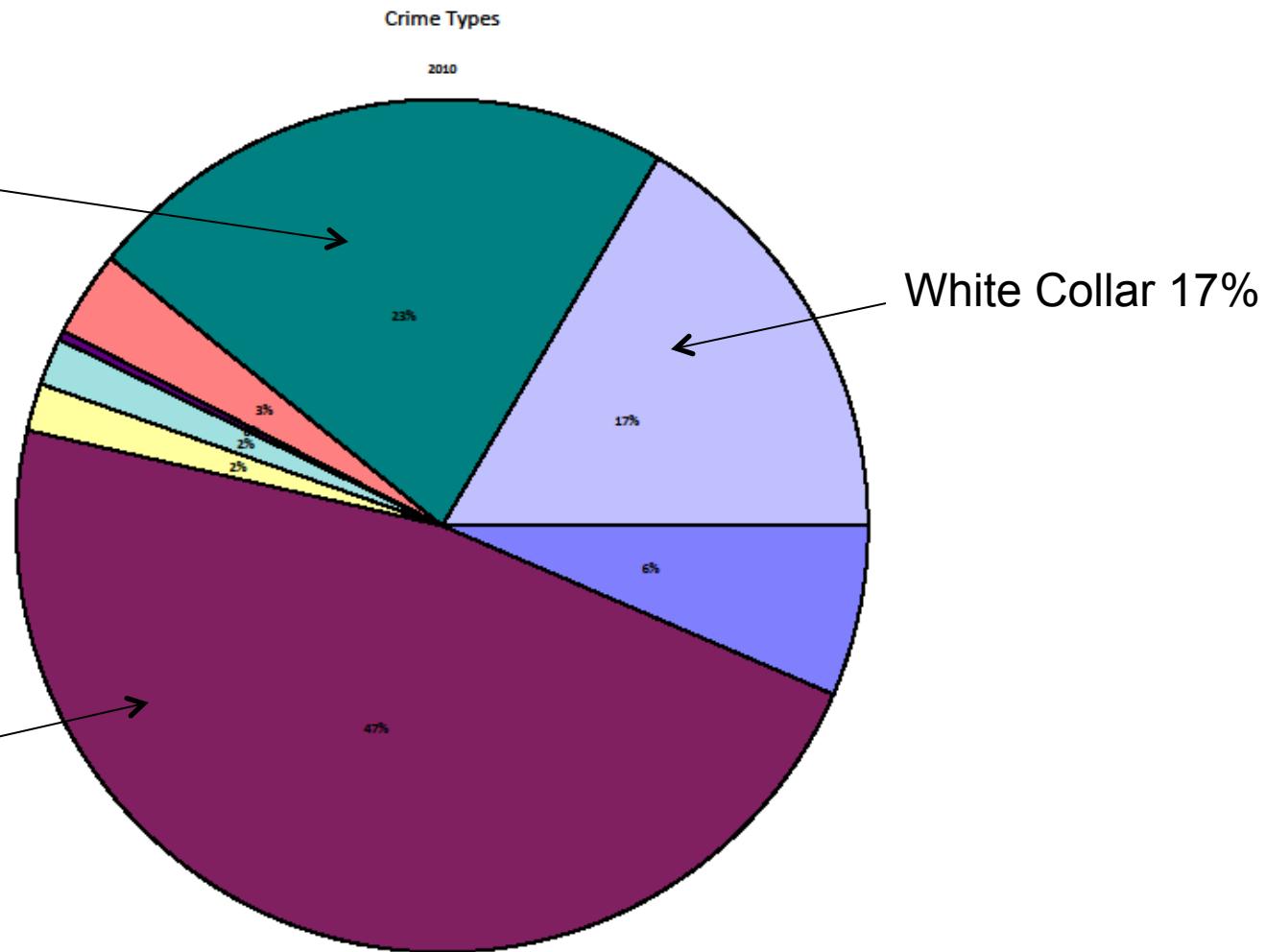
# FE Specialties

- Windows – AD Lab
- Mac
- UNIX / Linux
- Cell Phone/Tablet/Camera
- EnCase





# Cases by Classification



■ COMPUTER INTRUSION (CIP)	■ CYBER CRIME (CCP)	■ INTERNATIONAL/DOMESTIC TERRORISM (IT/DT)
■ MISCELLANEOUS	■ NATIONAL FOREIGN INTELLIGENCE (NFIP)	■ ORGANIZED CRIME/DRUG ENFORCEMENT (OCDEF)
	■ VIOLENT CRIME (VCMO)	■ WHITE COLLAR CRIME



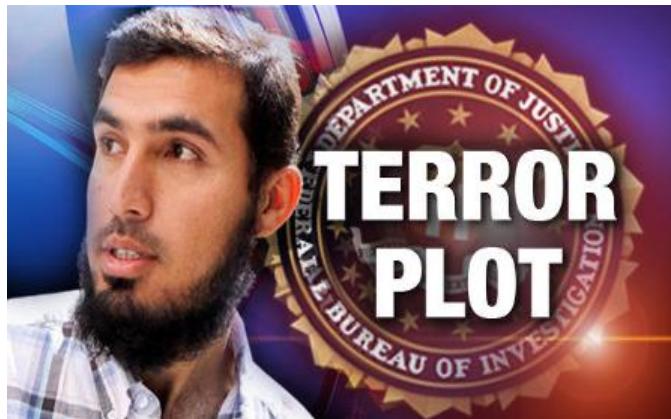
# Portable Device Triage Strategy





# Notable Cases

**2009 - Najibullah Zazi,**  
a Colorado resident  
arrested in a planned  
terrorist attack on New  
York City Subways.



**2014 Dotson - Denver**  
man sentenced for  
raping woman he also  
allegedly tried to kill  
from jail.



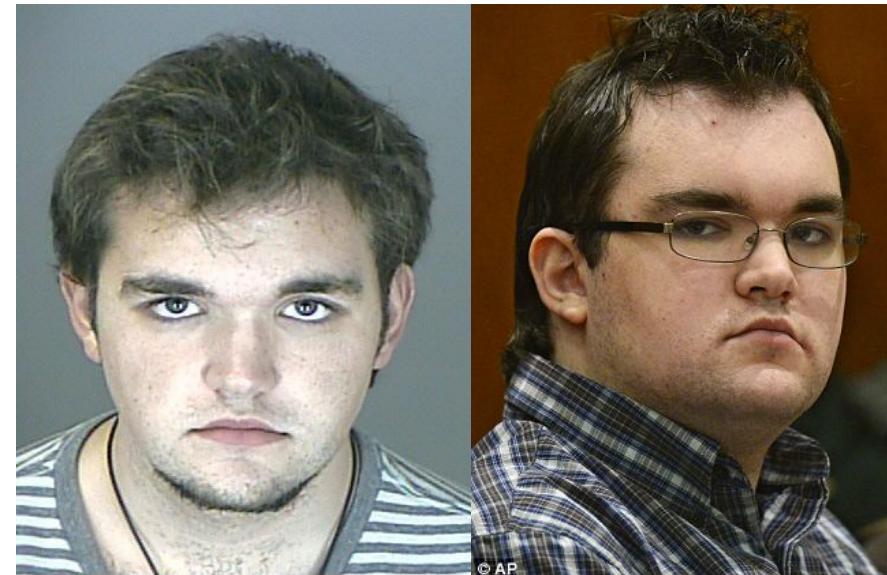


# Notable Cases

**2011 - Marc O'Leary**  
Pled guilty – 327 years.

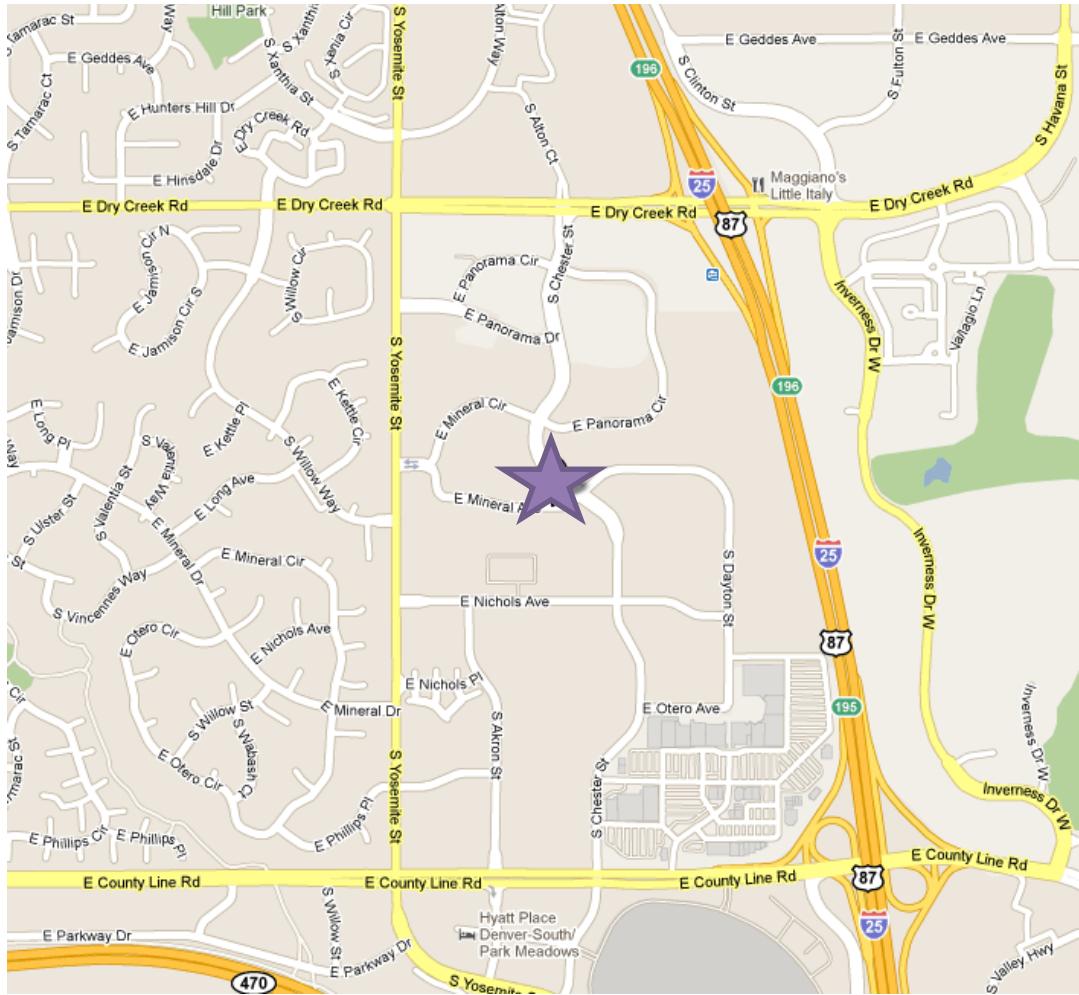


**2012 – Austin Sigg**  
Pled guilty – Life + 86 Years





# Questions?



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