

## RESPONDERS TRACK

### RT450, Large Data Set Acquisitions (LDSA)

#### **Who Should Attend**

Computer crime investigators and forensic examiners.

#### **Prerequisites**

TT110 (INCH) and RT120 (CIRC) or Test Out

#### **Duration**

5 Days

#### **Course Description**

Students examine Large Data Sets including, RAID, NAS, and SAN technologies. They also examine Large Data Set Acquisitions from a forensic and investigative perspective.

#### **Objectives**

- Discuss and explain RAID technologies
- Identify RAID implementations
- Recognize Network Attached Storage (NAS) and Storage Area Network (SAN) devices
- Conduct a Large Data Set search and seizure using best practices
- Create forensically sound images of Large Data Set storage devices
- Compare and contrast common forensic tools

#### **Topics Covered**

*Large Data Set Acquisition Concepts and Methodology*

*Redundant Array of Independent Disks*

- RAID Essentials, Planning, Preparation and Physical Assessment
- RAID Arrays in Windows and Linux Environments

*Network Attached Storage (NAS)*

- Essentials and Implementations
- Onsite Assessment and Acquisitions

*Storage Area Networks (SAN)*

- Essentials, Implementations and Acquisitions

#### **Preparation**

To prepare for this course, we recommend the following review, reading, or research:

- Review the following web sites:
  - [www.pcguides.com/ref/hdd/perf/raid/index.htm](http://www.pcguides.com/ref/hdd/perf/raid/index.htm)
  - [www.mcdata.com/downloads/mkt/wpaper/wp\\_zoning\\_120.pdf](http://www.mcdata.com/downloads/mkt/wpaper/wp_zoning_120.pdf)

Additional course related material can be found on the dcita.edu portal (<https://www.dcita.edu>), the internet, at Books 24/7, in your organization's technical library or at the public library.

#### **LDSA Grading Policy**

The student's progress is monitored through instructor observation during lecture, discussion and practical exercises as well as Knowledge and Performance Tests. Minimum passing score on all DCITA tests is 70%.