ACELab®

PC-3000

PC–3000 RAID DATA RECOVERY ADVANCED TRAINING
seminar program

1. Overview of RAID technology from the viewpoint of data recovery

    1. Advantages of RAID technology
    2. Overview of RAID levels and their properties
    3. RAID: basic parameters

2. How to create virtual RAIDs in Data Extractor. The main methods of working with virtual RAIDs.

    1. Selection and addition of members
    2. Defining the settings and creating an array
    3. Creating non-standard arrays
    4. RAID integrity check
    5. Unused sectors map
    6. Source-based submap

3. Data recovery from RAIDs containing failed HDDs

    1. Techniques of configuration detection
    2. Efficient data reading methods

4. Automatic methods of RAID configuration detection

    1. Detection based on metadata
    2. Detection based on data

5. Raw recovery mode

    1. How it works
    2. How to use the raw recovery mode to detect RAID configuration

6. Interactive detection mode

    1. Basic concepts of the mode
    2. Detection of basic parameters
    3. Techniques for working with the file system
    4. Techniques for working with the table
    5. Techniques for working with the structure viewe

7. Examples of data storage organization

1. Typical NAS
2. Software-based arrays by Linux, Windows, and Apple
3. Combined arrays
4. Standard and nonstandard RAID 6
5. Arrays including virtual drives
6. VMFS-based arrays
7. and a lot more …

8. RAID configuration detection in complicated cases

1. Non-standard configurations
2. Array reformatting or reinitialization
3. Heavy damage of the file system
4. Malfunctioning and missing drives

9. The problem of outdated data

1. How to check if the RAID was built correctly
2. How to detect the outdated data
3. Redundancy-based recovery of uptodate data

10. (Bonus) Virtual drives and encrypted data storages (flat, vhd, vhdx, vmdk, dmg, BitLocker, and FileVault)

1. Data storage structure
2. Snapshots
3. Helpful tips for Data Extractor

11. (Bonus) Windows Storage Spaces: how it works and how Data Extractor can help

12. (Bonus) ZFS and BtrFS: how it works and how Data Extractor can help

You'll get a great opportunity to do over 20 practical tasks using the latest version of Data Extractor RAID Edition at the training.

Training duration: 4 days