



*Training Course:  
Data Recovery*

*27 - 31 May 2024  
Rome (Italy)*

## Training Course: Data Recovery

Training Course code: IT234723 From: 27 - 31 May 2024 Venue: Rome (Italy) - Training Course Fees: 5775 € Euro

### Introduction

Data Recovery Training is a comprehensive course covering hard drive failures recovery solutions. It enables students to acquire practical experience on intermediate to advanced level hard drive data recovery techniques and basic computer forensic skills in digital evidence preservation.

The knowledge you gain throughout the course will be developed into a data recovery skills that will improve your efficiency in both, data recovery and forensics fields.

Our professional data recovery training programs are designed to equip employees with the knowledge and skills to become better professionals.

### course Objectives of Data Recovery

- Understand how the data stores and what is its procedure.
- Understand the operation principle and procedure of physical hard drive structure and key components.
- Understand the operation principle and structure of the hard drive Firmware from different manufactures.
- Understand the file system structure of FAT/NTFS/EXT3 and how to do the data recovery.
- Understand how to do the data recovery from all kinds of memory card.
- Understand the operation principal of disk array operation principle and how to do the data recovery.
- Understand how to backup data and how to wipe.
- Learn how to use equipment and make effective data recovery strategy.

### Target Audience for Data Recovery

- Police and law enforcement staff
- Defense and Military staff
- Legal professional
- System administrators and IT department staff
- Information security officers
- Anyone who involved or interested in data recovery field

### Prerequisites for Data Recovery

- Basic understanding of the computer operating system
- Basic understanding of computer hardware

### Course Outlines for Data Recovery

#### Day 1

How the data stores and how it works

- How the data stores
- How to identify data damage Logic/Firmware/Physical
- The characteristic of FAT system
- The characteristic of NTFS system
- The characteristic of Ext2/Ext3 system
- Why data recovery fails

## Day 2

### Recover data logically

- Logical Recovery
- Backup System
- Recovering erased files and directories
- Repartitioning and "cloning" a disk partition
- Editing disk sectors
- Diagnosing and treating virus infections
- RAID Concept

## Day 3

### Recover data physically

- The structure of hard drive
- Common problems of hard drive components
- Tools for opening hard drive
- How to clean hard drive magnetic head and disk plate
- How to replace magnetic head
- How to replace disk plate
- Identify the problems on motherboard and replace components
- Other components problems
- How to use latest tools and explain difference between these latest tools

## Day 4

### Firmware module data recovery

- What is hard drive firmware module
- What is Service Area
- What is hard drive Rom area
- Resources to get hard drive firmware module
- How to use latest tools and explain difference between these latest tools

## Day 5

### Advanced data recovery

- ATA encrypted hard drive data recovery
- Host Protected Area
- How RAID works
- Data recovery of RAID



## Registration form on the Training Course: Data Recovery

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

### Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....  
 Position: .....  
 Telephone / Mobile: .....  
 Personal E-Mail: .....  
 Official E-Mail: .....

### Company Information

Company Name: .....  
 Address: .....  
 City / Country: .....

### Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....  
 Position: .....  
 Telephone / Mobile: .....  
 Personal E-Mail: .....  
 Official E-Mail: .....

### Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
- ☐ Please invoice me
- ☐ Please invoice my company

### Easy Ways To Register

Telephone:  
+201095004484 to  
provisionally reserve your  
place.

Fax your completed  
registration  
form to: +20233379764

E-mail to us :  
info@gh4t.com  
or training@gh4t.com

Complete & return the  
booking form with cheque  
to: Global Horizon  
3 Oudai street, Aldouki,  
Giza, Giza Governorate,  
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