

# Course : Miria

Official Miria course

*Practical course - 3d - 21h00 - Ref. MT1*

*Price : 2120 € E.T.*

With Miria training, you'll learn how to master the Miria solution to efficiently backup, migrate and synchronize your unstructured files. This training will enable you to optimize the performance of your storage systems and ensure business continuity. Practical modules will enable you to apply the knowledge acquired during the course.

## Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Understanding Miria's architecture and mechanisms
- ✓ Protecting and returning objects
- ✓ Supervise and secure operations
- ✓ Integrate various storage managers
- ✓ Install and configure Miria under Linux or Windows
- ✓ Troubleshooting

## Intended audience

System administrators, data storage or protection managers.

## Prerequisites

Working knowledge of Linux or Windows. Experience in configuring networked workstations. Understanding of data protection issues.

## Practical details

### Teaching methods

Training in French. Official course material in digital format and in English. Good understanding of written English.

## Course schedule

### 1 Data protection

- Definition of data protection.
- What are the reasons for protection?
- From backup to long-term protection: a little theory.

### PARTICIPANTS

System administrators, data storage or protection managers.

### PREREQUISITES

Working knowledge of Linux or Windows. Experience in configuring networked workstations.

Understanding of data protection issues.

### TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

### ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

## 2 Miria architecture

- Miria modules.
- Miria's Agent/Client modes.

## 3 Install Miria

- Install the Miria server.
- Install Miria agents.
- Install the Mira administration console.
- Install the Miria user interface.
- Deploy Windows interfaces.

## 4 Miria concepts

- Platforms.
- Storage managers.
- Retention and the politics of protection.
- Users and user groups.
- Trusted domains.
- Miria Archives.
- Miria tasks.
- Advanced parameters and object groups.
- Miria criteria.
- Miria Deduplication.

## 5 Basic configuration

- Platforms.
- Storage managers.
- Use virtual storage for load balancing and failover.
- Configure retention and protection policies for secondary storage.
- Configure users and user groups.
- Trust domains.
- Configure primary storage.
- Configure user & project archives.
- Configure tasks with Miria.
- Metadata - Selection criteria.

## 6 Data archiving and retrieval

- Open an archive.
- Protecting data.
- Search for protected data.
- Restore data.

## 7 Performance scalability

- "Pool" of platforms.
- Work distribution criteria.
- Threads on secondary storage.

### TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

### TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: [psh-accueil@orsys.fr](mailto:psh-accueil@orsys.fr) so that we can assess your request and its feasibility.

## 8 Supervision and security

- Supervision by Miria.
- Construction supervision Miria.
- Supervision of Miria events.
- Sessions and processes.
- Encrypted connection.
- PostgreSQL-/MaxDB database backup - to a file.
- Miria server backup.
- Database optimization (MaxDB).

## 9 Other storage managers

- Object storage.
- Cloud.
- Nirvanix.
- EMC Cloud Storage.
- Media Manager.
- Miria File Storage Container.