

Data storage techniques

**SII-417 5 Days (Hours)**

Description

The Data Storage Techniques course provides an in-depth exploration of the fundamentals and advanced technologies used to effectively manage data in modern IT environments.

Who is this training for ?

For whom

Information technology and data management professionals, system administrators, IT engineers, software developers and anyone interested in data storage and management.

Prerequisites

Basic knowledge of IT and data management. Previous experience with computer storage systems is beneficial but not required.

Training objectives

- Acquire the knowledge and skills necessary to understand
- implement
- manage different data storage techniques effectively.

Training program

Jour 1 : Synthèse sur les Techniques de Stockage des Données :

- Introduction to Data Storage
- Fundamental concepts and evolving technologies.
- Types of Storage
- Hard Disk Drive (HDD) vs. Solid State Drive , Network Storage (NAS and SAN), Cloud Storage.
- Operating Principles
- Traditional architectures, advantages and disadvantages.

Jour 2 : Mise en Place d'un Cloud Privé avec Hyper-V :

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We are at your disposal De Lun - Ven 09h00-18h00

- Introduction to Private Cloud
- Fundamentals and use cases.
- Introduction to Hyper-V
- Features, deployment and configuration.
- Case study: Deployment of a Private Cloud with Hyper-V.

Jour 3 : Mise en Place d'un Cloud Privé avec PROXMOX :

- Introduction to PROXMOX
- Features, benefits and deployment.
- Case study: Deploying a Private Cloud with PROXMOX.

Jour 4 : Mise en Place d'un Cloud Privé avec Conteneurisation :

- Introduction to Containerization
- Principles, benefits and use cases.
- Kubernetes and Docker overview
- Features, deployment and management .
- Case study: Deployment of a Private Cloud with Containerization.

Jour 5 : Intégration et Perspectives :

- Best practices for integrating Private Cloud solutions.
- Discussion on application perspectives and best practices for using different solutions.
- Conclusion of the training and question-and-answer session.