

Windows 2012, administration de l'Active Directory



BPC-135 4 Days (28 Hours)

Description

This course will allow you to acquire mastery of the Active Directory (AD) environment under Windows Server 2012 and R2 (Release 2). You will learn how to install and configure an AD and perform all common administration tasks via the graphical interface and Powershell.

Who is this training for ?

For whom

Systems administrators and engineers.

Prerequisites

Aucune

Training objectives

- Install and configure an Active Directory under Windows Server 2012 and R2 (Release 2)
- Perform common administration tasks via the graphical interface and PowerShell Implement GPO
- Implement new troubleshooting tools Save and restore an Active Directory

Training program

Les nouveautés et l'architecture de l'Active Directory

- The different versions of Windows 2012 and R2 (Release 2).
- Overview of AD (domains, forests.).
- The diagram , classes and attributes.
- FSMO (Flexible Single Master Operations) roles.

L'installation de l'Active Directory

- Installation and configuration of a domain controller.
- Installation with the new server manager, in Hyper-v.
- Management of FSMO roles.
- Addition of server for centralized management.
- Modification of a graphics server in Core.
- How DNS works (integrated, secure zones) .
- Practical work Installation of AD on a Core server, in Hyper-v.
- Creation of a domain with the new interfaces and a replica with Powershell.

Le déploiement

- Remote deployment of the AD via the server manager.
- Deployment via Powershell and the various ADDS cmdlets, with cloning.
- Deployment of the graphic trash via ADAC.
- Practical work Installation of a remote AD.
- Cloning a virtual AD.

La gestion des objets Active Directory

- The new object management interfaces.
- The Active directory administration management center (ADAC).
- Creating objects with Powershell.
- Setting up DCA (Dynamic Access Control).
- Practical work Creation, modification of users, groups, OUs with the management center.
- Query on the AD.
- User creation in Powershell.
- Querying and modifying objects.

Les stratégies de groupe

- Inheritance, blocking, filtering.
- Password policy management (PSO).
- The different GPOs (policy and preference).
- Updating GPOs remotely.
- Practical work Setting up PSOs via ADAC.
- Creating GPOs.
- Example on Windows 7/Windows 8.

La maintenance et le dépannage des services

- Database: manage, defragment.
- The new interfaces for monitoring.
- Backup and restoration of AD services.
- Setting up audit.
- How replication works on AD 2012.
- DFRS replication.
- Practical work Maintenance on the AD database.
- Backing up the AD database.
- Implementing the new troubleshooting tools.