

Windows 2016, administration de l'Active Directory

**BPC-85** **4 Days (28 Hours)**

Description

This course will allow you to master the Active Directory environment under Windows Server 2016. You will learn how to install and configure an Active Directory directory and perform all administration tasks via graphical interfaces and PowerShell.

Who is this training for ?

For whom

Systems and network technicians, administrators and engineers.

Prerequisites

Aucune

Training objectives

- Install and configure an Active Directory under Windows Server 2016 Deploy domain controllers Perform common administration tasks via interfaces and PowerShell Deploy GPOs to administer workstations and servers Deploy dynamic access control to fine-tune resource permissions Back up and restore an Active Directory

Training program

L'architecture de l'Active Directory

- Active Directory roles and services.
- What's new in AD domain services 2016.
- AD services and Cloud orientation.

L'installation de l'Active Directory

- Directory deployment.
- The DNS system and Active Directory.
- Integrated and secure DNS zones.
- DNS records linked to the AD.
- Practical work Installation of the AD.
- Configuring the DNS.
- Record management.

Le déploiement de contrôleur de domaine

- Remote deployment and PowerShell.
- Domain controller cloning.
- Child domain implementation.
- The deployment of read-only DC (RODC).
- Practical work Deployment of RODC, remote DC.

La gestion des objets

- Management interfaces.
- Object management in PowerShell.
- Administered service accounts.
- Privileged access management (PAM).
- Silos and authentication strategies.
- Practical work Creation and modification of AD objects.
- Creation of account accounts service.
- Implementing authentication strategies.

Les stratégies de groupe

- The operating principle.
- The central store.
- WMI filtering.
- Inheritance, blocking and filtering.
- Practical work Creation of the central store.
- Creation of GPOs to secure stations and servers.

Le contrôle d'accès dynamique

- Dynamic access control overview.
- Principles of claims.
- Principles of rules, centralized access policies.
- The FSRM resource manager, authorizations.
- Practical work Implementation of DAC to specify access to resources.

Les sites, services et les relations d'approbations

- The roles of an AD site.
- Management of sites and replications.
- Approval relationships: overview and configuration.
- Practical work Creation of sites and AD replications.
- Implementation of trust relationships.

La maintenance et le dépannage des services

- Backup and restoration of services.
- AD database maintenance procedures.
- Replication troubleshooting.
- Role management FSMO.
- Practical work Maintenance, backup of the AD.
- Implementation of monitoring tools.