

# Server 2022 Training: Windows Advanced Security (W8ASEV, 4 jours)

---

## Description

The course Windows Advanced Security (Server 2019 Training) is an exploration of Windows Server security. Beginning with a tour of threat types, the training includes a complete exploration of the Plan, Detect, Respond and Protect lifecycle with Windows Server. If you want to protect your Windows servers from malware and hacker attacks, this is the course for you.

## Tarifs

- Tarification: \$3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

## Plan de cours

### Server Security and Malware

---

The Anatomy of an Attack

PDRP: Plan, Detect, Respond, Prevent

Threat Sources

Threat Categories

Dealing with Viruses

Dealing with Worms

Dealing with Spyware

Dealing with Email Attacks

Dealing with Malevolent Scripts

What about IIS, WCF and other Remote Access Technologies?

What about Application Servers?

About Windows Security Measures and Tools

### The Hacker View of Windows Server

---

About Authentication and Authorization

Security Architecture

Essential Security Principles

Forests, Trees and Domains

Exploring the SID

Server Authentication

Server Authorization

About Auditing and Logging

### Security Architecture Planning

---

Server Architecture

Defining a Maintenance Plan

About Change Control

About Contingency Planning

Service Minimization

Applying Patches

Implementing Honeypots

### Features and Tools

---

Secure Default Installation

About Usernames and Passwords

Internet Connection Firewall

Security Templates and Security Configuration

Microsoft Baseline Security Analyzer

Using Group Policy

Using IPSec

The Encrypted File System

Windows File Protection

## Auditing

---

Implementing Auditing

Planning the Audit Strategy

Auditing from a Windows System

Auditing from a UNIX System

## Securing Applications

---

Protecting the HTTP and FTP Server

Protecting Mail Servers

Protecting DNS Servers

Protecting Desktop Applications

Protecting Corporate Applications

## Cryptography

---

About Cryptography

Overview of DES and AES

About Cryptographic Algorithms

Using EFS

What about SSL?

About Public Keys and Private Keys

Using SSL for Encrypted Communication

## Authentication

---

Authentication Overview

Basic Authentication

Kerberos Authentication

Kerberos Architecture

Kerberos and Group Policy

Windows Support for Kerberos

Windows Server and PKI

## VPNs and IPSec

---

VPN Essentials

About LAN to LAN VPNs

PPTP and L2TP for LAN to LAN VPNs

Implementing a Remote Access VPN

PPTP and L2TP for Remote Access VPNs

Using IPSec