

# Windows Server: Managing and Supporting Active Directory Certificate Services

## WorkshopPLUS

**Duration:** 3 Days | **Focus Area:** Security and Compliance | **Difficulty:** Advanced

This workshop provides participants with the knowledge and skills to understand, plan, build, manage, monitor, and support a Windows based Public Key Infrastructure (PKI).

This 3-day WorkshopPLUS consists of demonstrations and labs that provide hands-on experience focusing exclusively on the skills and objectives that align with encryption and PKI basics, certificates and revocation checking, security and support.

This workshop is valuable for organizations who wish to develop their understanding of Windows Server PKI management and support, aimed at improving the operational health of the PKI by implementing effective operations, support, and management best practices in addition to considerations to plan a migration to Windows Server PKI. The content of the workshop series has been designed in a way the modules can be delivered independently from each other, providing the possibility to focus on specific areas.

### 01 SKILLS

Detailed instruction combined with high quality practice labs prepares students to successfully master the management and support of a Windows Server 2016 ADCS.

### 02 BEST PRACTICES

The content of the workshop has been designed in a way the modules can be delivered independently from each other, providing the possibility to focus on specific areas.

### 03 WAY FORWARD

Recommendations and guidance on how to apply the knowledge acquired to resolve real problems at the workplace

### ◆ CAPABILITIES ◆

Hands-on, interactive learning with expert instructors in a classroom environment.



### OUR EXPERTISE

Learn from industry experts that help enterprise customers solve their most challenging problems.



### HANDS ON

Practice the concepts you learned in the classroom by engaging in hours of hands-on lab exercises.



### IN-DEPTH LEARNING

Deep technical training that equips you to overcome challenging problems in the real world.

## AGENDA

### Duration: 3 days

This workshop runs for **three** full days. To successfully plan this workshop, **A mandatory scoping call has to take place to negotiate the delivery topics.** This workshop contains of 13 different modules, which can be combined in any order but **cannot exceed a total delivery duration of three days.**

Base Content	Advanced Content
<b>Module 1:</b> Introduction to PKI	<b>Module 7:</b> NDES - Advanced Enrollment Methods (Part 1)
<b>Module 2:</b> Revocation and Chain Building	<b>Module 8:</b> CES/CEP - Advanced Enrollment Methods (Part 2)
<b>Module 3:</b> Deploy a Two-Tier PKI Hierarchy	<b>Module 9:</b> OCSP
<b>Module 4:</b> Certification Authority Security	<b>Module 10:</b> Upgrade and Migration
<b>Module 5:</b> Certificate Templates and Enrollment Methods	<b>Module 11:</b> Constraints, Virtual Smart Cards and Authentication Mechanism Assurance (AMA) for ADDS
<b>Module 6:</b> PKI Operations and Business Continuity (Best Practices)	<b>Module 12:</b> Role Separation & Key Recovery
	<b>Module 13:</b> Cross Forest Auto-Enrollment

## STATS

1000+  
COURSES  
COMPLETED

95%  
CUSTOMER  
SATISFACTION



AVAILABLE  
WORLDWIDE

## ADDITIONAL DETAILS

### Objectives

After attending this Workshop, students will be able to:

- Understand encryption basics and the usage of modern encryption techniques in current operating systems.
- Understand the basics of Public Key Infrastructure (PKI).
- Understand certificates and Active Directory Certificate Services.
- Understand how revocation checking and chain building works.
- Understand security and support considerations for PKI.

### Prerequisites

Before attending **base modules** of this workshop, it is highly recommended that you have:

- Windows Server 2012/2016 experiences
- a good understanding of Microsoft Active Directory

Before attending **advanced modules** of this workshop you should have in addition: a good understanding of:

- Certificate Services and Revocation
- Certificate Templates and Certificate Enrollment
- CA AD integration

**NEXT STEPS:** If you are interested in Security Best Practices for Microsoft Azure for your organization, contact your Microsoft Account Representative.