

PSADT: Deployment Scripts & SCCM/Intune

Learn to build, customise and deploy PowerShell App Deployment Toolkit scripts for silent and interactive installations through SCCM and Intune.

2 Days

16 HOURS

10

MODULES

22

TOPICS

COURSE OVERVIEW

This course introduces the PowerShell App Deployment Toolkit and the environment needed to work with it, including its folder structure and key files. It covers the core components, such as the toolkit scripts, XML configuration files and key functions, before moving into building a basic deployment script and testing it. It then addresses advanced techniques such as handling prerequisites, customising installations, logging and error handling, and adding user prompts and notifications. The course closes with silent and interactive deployment scenarios across SCCM and Intune, application updates, real-world case studies and a hands-on lab.

WHO THIS COURSE IS FOR

Systems Administrators

Application Packagers

SCCM Administrators

Intune Administrators

Deployment Engineers

LEARNING OBJECTIVES

- Explain the purpose and benefits of PSADT
- Configure the PSADT environment and folder structure
- Describe the core toolkit components and XML configuration files
- Build a basic application deployment script with PSADT functions
- Implement logging and error handling in deployment scripts
- Configure user prompts and notification dialogs during deployment
- Compare silent and interactive deployment across SCCM and Intune
- Plan application updates and maintenance for deployed packages

10 Modules, 22 Topics

01

Introduction to PowerShell and PSADT

TOPICS

- What is the PowerShell App Deployment Toolkit?
- Benefits of using PSADT for application deployment

02

Setting Up the Environment

TOPICS

Prerequisites for PSADT · Installing PowerShell and PSADT · Understanding folder structure and key files

04

Core Components of PSADT

TOPICS

- Overview of the toolkit components (AppDeployToolkitMain.ps1, etc.)
- Understanding the XML configuration files
- Key functions and their purposes

05

Creating a Basic Deployment Script

TOPICS

- Building a simple application deployment script
- Using PSADT functions for installation and uninstallation
- Testing and troubleshooting your script

06

Advanced Deployment Techniques

TOPICS

- Handling prerequisites and dependencies
- Customizing the installation process
- Logging and error handling in deployment scripts

07

User Interaction and Notifications

TOPICS

- Adding user prompts and notifications
- Customizing dialogs and messages
- Best practices for user interaction during deployment

08

Deployment Scenarios

TOPICS

- Deploying applications silently vs. interactively
- Deploying to multiple systems (using SCCM, Intune, etc.)

09

Maintenance and Updates

TOPICS

Managing application updates

10

Real-World Case Studies

TOPICS

Review of successful deployment scenarios

11

Hands-On Lab

TOPICS

- Guided hands-on session to create and deploy an application

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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