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Register

EPM Ivanti Masterization & OSD Training

2 days (14 hours)

Overview

EPM Ivanti enables you to industrialize mastering and OSD to quickly deploy consistent, secure, and compliant workstations. This training focuses on specific use cases: fleet renewal, Windows migration, multi-site standardization, and reduction of intervention time.

During this training, you will learn how to design a complete OSD chain: image preparation, drivers, packages, task sequences, and automations (post-install, domain, applications, patches). The goal is to make your deployments reproducible, traceable, and easy to maintain.

The approach is decidedly practical, with workshops and guided demos in a lab environment. You will leave with OSD workflow templates, a validation checklist, and best practices for diagnosing failures (logs, PXE, WinPE, content).

Objectives

- Set up an operational OSD service with Ivanti EPM.
- Create and maintain deployment images and profiles.
- Automate the installation of OS, drivers, and applications.
- Secure and standardize post-configuration (domains, policies).
- Diagnose and correct deployment incidents via logs.

Target audience

- Windows system administrators
- Workstation/workplace engineers
- Deployment and N2/N3 support technicians
- EPM/fleet management administrators

Prerequisites

- Good knowledge of Windows (AD, DNS, GPO)
- Basic networking knowledge (DHCP, PXE, VLAN)
- Understanding of WinPE images/boot and drivers
- Basic PowerShell skills recommended

Technical prerequisites

- 16 GB RAM recommended, 4-core CPU, 100 GB free disk space
- OS: Windows 10/11 or Windows Server for the lab
- Access to a lab: AD/DNS/DHCP + PXE network (physical or virtualized)
- Tools: Ivanti EPM console, WinPE/ADK, virtualization client (Hyper-V/VMware)

Our Ivanti EPM mastering & OSD training program

[Day 1 - Morning]

Ivanti EPM architecture and OSD prerequisites

- Positioning OSD in EPM: roles, flows, and components (Core, Agents, PXE)
- Preparing the infrastructure: DHCP, DNS, PXE options, TFTP/HTTP, VLAN, and routing
- Configuring shares and permissions: sources, packages, drivers, images
- Validating workstation prerequisites: BIOS/UEFI, Secure Boot, boot order, TPM
- Hands-on workshop: End-to-end verification (PXE + source access) on a test workstation

[Day 1 - Afternoon]

Creating an OSD workflow and deploying a reference image

- Build a workflow: WinPE phases, partitioning, image application, post-installation
- Managing UEFI/GPT vs. BIOS/MBR: disk models and migration scenarios
- Integrating drivers: strategies by model, offline/online injection, device validation
- Automating configuration: naming, domain, local accounts, network settings
- Hands-on workshop: Deploying a "gold" workstation via PXE with a standard workflow

[Day 2 - Morning]

Windows mastering: capture, maintenance, and versioning

- Choosing the approach: thick image vs. thin image + application packages
- Preparing the reference: sysprep, cleanup, services, optimization, and compliance
- Capturing the image: methods, storage, naming, integrity checks
- Maintaining the image: updates, drivers, components, validation cycles

- Hands-on workshop: Capturing a reference image and publishing a new version

[Day 2 - Afternoon]

Industrialization, troubleshooting, and securing deployments

- Targeting and automation: variables, rules, collections, scheduled deployments
- Post-install chaining: applications, scripts, GPOs, agents, encryption, and hardening
- Monitoring: WinPE/OSD logs, statuses, common errors (drivers, network, storage)
- Best practices: rollback, multi-model management, documentation, and checklists
- Hands-on workshop: Diagnosing an OSD failure and correcting the workflow (driver/network/partitioning)

Target companies

This training is intended for both individuals and companies, large or small, wishing to train their teams in new advanced IT technology or to acquire specific professional knowledge or modern methods.

Positioning at the start of training

The positioning at the start of the training course complies with Qualiopi quality criteria. Once they have finalized their registration, learners receive a self-assessment questionnaire that allows us to assess their estimated level of proficiency in different types of technologies, as well as their expectations and personal objectives for the upcoming training course, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could be problematic for the monitoring and smooth running of the training session.

Teaching methods

Practical training: 60% practical, 40% theory. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the trainer, supported by examples and reflection sessions, and group work.

Assessment

At the end of the session, a multiple-choice questionnaire is used to verify that the skills have been correctly acquired.

Certification

A certificate will be issued to each trainee who has completed the entire training course.