Updated on 02/04/2026

EPM Ivanti Packaging and Distribution Training

2 days (14 hours)

Overview

EPM Ivanti allows you to industrialize the packaging and distribution of applications on a Windows environment, with fine control over prerequisites, dependencies, and versions. The training focuses on concrete use cases: mass deployment, updates, rollbacks, and reduction of incidents related to manual installations.

During this training, you will learn how to structure a complete cycle: installer analysis, package creation, detection rule configuration, and distribution via EPM mechanisms (agents, policies, scheduling). The focus is on reproducibility, traceability, and deployment compliance.

The approach is practical: guided workshops, step-by-step demos, and troubleshooting exercises. Deliverables include package templates, a validation checklist, and a best practices guide to standardize your application catalog.

Like all our training courses, this one will introduce you to **the latest stable version** of the technology and its new features.

Objectives

- Analyze an installer (MSI/EXE) and identify silent parameters.
- Create and version EPM packages with reliable detection rules.
- Configure distribution (targeting, scheduling, bandwidth, priorities).
- Monitor execution and diagnose failures via logs and status reports.
- Implement update, uninstall, and rollback strategies.

Target audience

- Windows system administrators
- Workplace technicians/engineers
- Packaging and operations teams
- Deployment and N2/N3 support managers

Prerequisites

- Basic Windows administration (services, registry, permissions)
- Basic knowledge of PowerShell and command line
- Understanding of MSI installers and return codes
- Basic network concepts (DNS, proxy, SMB sharing)

Technical prerequisites

- PC: minimum 8 GB RAM (16 GB recommended), 4-core CPU
- OS: Windows 10/11 or recent Windows Server (local admin access)
- Access to an Ivanti EPM instance (console + agent) or lab environment
- Tools: text editor, PowerShell 5+ / 7, access to logs and a network share

Ivanti EPM packaging and distribution training program

[Day 1 - Morning]

Ivanti EPM architecture and packaging prerequisites

- Positioning roles: Core Server, agents, consoles, distribution points
- Understanding flows: inventory, content, planning, client-side execution
- Preparing the environment: shares, rights, service accounts, certificates if required
- Identify application sources: MSI/EXE, scripts, dependencies, prerequisites
- Hands-on workshop: Verify agent & distribution connectivity and map EPM components.

[Day 1 - Afternoon]

Creating packages and installation methods (MSI/EXE)

- Create a package: files, commands, parameters, success/failure detection
- Managing silent installations: msiexec, publisher switches, logs
- Define rules: prerequisites, dependencies, execution order, restart
- Implement validation: test on pilot workstation, log collection
- Hands-on workshop: Package an application (MSI + transform/MST or silent EXE) with logging.

[Day 2 - Morning]

Distribution: targeting, planning, and managing deployments

- Building targets: groups, inventory queries, compliance criteria
- Configuring distribution tasks: maintenance windows, deadlines, reminders
- Managing the user experience: notifications, deferrals, restart management
- Monitor execution: statuses, common errors, recovery, and remediation
- Hands-on workshop: Deploying a package to a pilot group with planning and compliance monitoring.

[Day 2 - Afternoon]

Optimization, troubleshooting, and best practices for packaging

- Optimizing distribution: cache, replication, distribution points, bandwidth
- Diagnosing: agent logs, package logs, MSI return codes, typical causes of failure
- Implementing rollback and controlled uninstallation strategies
- Standardize: naming conventions, versioning, documentation, lifecycle
- Hands-on workshop: Analyze a deployment failure, correct the package, and validate the remediation.

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 business knowledge or modern methods.

Positioning at the start of training

The positioning at the start of the training complies with Qualiopi quality criteria. Upon final registration, the learner receives 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, 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 discussion 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.