

Nintex RPA Enterprise Bot Development & Administration

Course Description

This course provides comprehensive training on developing, deploying, administering, and maintaining enterprise automation solutions using the Nintex RPA platform. Participants will learn the complete Nintex RPA architecture, install and configure platform components, build automation workflows using Nintex Studio, automate desktop, browser, terminal, and business data processes, deploy bots through Console Plus, administer enterprise environments, and manage production operations. The course concludes with User Acceptance Testing (UAT) automation and an end-to-end enterprise capstone project.

Audience Profile

- RPA Developers
- Automation Engineers
- Solution Developers
- System Administrators
- IT Operations Professionals
- Technical Consultants
- Application Support Engineers
- Professionals responsible for deploying or managing Nintex RPA environments

Prerequisites

- Basic understanding of Windows operating systems
- Familiarity with business applications and workflows
- Basic knowledge of databases and networking is beneficial
- Experience with automation concepts is recommended but not mandatory

Course Objectives

Upon completion of this course, learners will be able to:

- Understand the Nintex RPA platform architecture and components.
- Install and configure Nintex RPA environments.
- Administer users, roles, permissions, and enterprise environments.

- Develop automation solutions using Nintex Studio.
- Automate desktop, browser, terminal, and business applications.
- Process business data from multiple file formats and enterprise systems.
- Implement advanced automation techniques including exception handling and reusable components.
- Deploy, schedule, monitor, and manage robots using Console Plus.
- Perform production support, troubleshooting, backup, restore, and platform administration.
- Implement UAT automation and build an end-to-end enterprise automation solution.

Table of Contents

Module 1: Introduction to Nintex RPA Platform

Topics

- Introduction to Robotic Process Automation
- Nintex RPA Architecture
- RPA Components
- Server
- Studio
- Robot
- Console Plus
- Admin Tool
- Deployment Models
- Enterprise Use Cases

Hands-on Lab

- Explore the complete platform architecture

Module 2: Installing & Configuring Nintex RPA

Topics

- System Requirements
- Server Installation
- Client Installation
- SQL Configuration
- SSL/TLS
- Network Requirements
- Active Directory
- Licensing
- Upgrade Concepts

Hands-on Lab

- Install Server
- Install Studio
- Install Robot
- Connect Components

Module 3: Admin Tool & Environment Administration

Topics

- User Management
- Groups
- Roles
- Permissions
- Credential Management
- Environment Configuration
- Library Management
- Security

- Licensing

Hands-on Lab

- Create Users
 - Assign Roles
 - Configure Environment
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Module 4: Studio Fundamentals

Topics

- Studio Interface
- Projects
- Wizards
- Variables
- Expressions
- Actions
- Recording
- Debugging
- Logging

Hands-on Lab

- Create First Automation
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Module 5: Desktop, Browser & Green Screen Automation

Topics

Desktop

- Windows Applications
- Mouse

- Keyboard
- Dialogs

Browser

- Chrome
- Edge
- Login Automation
- Forms
- Tables
- Dynamic Pages

Green Screen

- Terminal Navigation
- Keyboard Mapping
- Reading Terminal Screens
- Updating Terminal Data

Hands-on Lab

- Automate Browser
- Automate IBM iAccess Scenario

Module 6: Business Data Automation

Topics

- Excel
- CSV
- PDF
- Word
- Email

- File Automation
- Batch Processing
- Data Validation
- Transaction Processing

Hands-on Lab

- Process Customer Excel
 - Update Application
 - Generate Report
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Module 7: Advanced Bot Development

Topics

- Loops
- Conditions
- Exception Handling
- Retry Logic
- Reusable Components
- Performance Optimization
- Debugging

Hands-on Lab

- Optimise Existing Botflow
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Module 8: Robot, Console Plus & Enterprise Operations

Topics

Robot

- Register Robot

- Configure Robot
- Robot Status

Console Plus

- Publish
- Deploy
- Schedule
- Task Management
- Monitoring
- Logs
- Execution History

Hands-on Lab

- Publish Bot
- Deploy
- Schedule
- Monitor

Module 9: Production Support & Platform Administration

Topics

- Server Administration
- Backup
- Restore
- Monitoring
- Performance
- SSL
- Troubleshooting

- Disaster Recovery
- Upgrades
- Log Analysis

Hands-on Lab

- Recover Failed Bot
 - Performance Analysis
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Module 10: UAT Automation & Enterprise Capstone

Topics

UAT

- Test Case Automation
- Regression Automation
- Validation
- Screenshot Capture
- Reporting

Enterprise Project

Develop an end-to-end automation that:

- Read Customer Records