

N8N Workflow Automation

Audience Course N8N Workflow Automation

This course is intended for business analysts, IT professionals, developers, and automation specialists who want to streamline processes and automate workflows using n8n.

Prerequisites Course N8N Workflow Automation

Participants should have basic technical understanding and familiarity with web applications and APIs. Programming experience and knowledge of JSON is beneficial.

Realization Training N8N Workflow Automation

The training combines theoretical instruction with extensive hands-on exercises guided by an expert trainer. Participants build real automation workflows throughout the course using practical business scenarios.

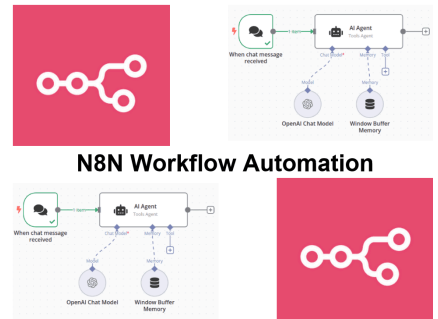
N8N Workflow Automation Certificate

After successful completion, participants receive a certificate of participation in N8N Workflow Automation.

Duration: 2 days

Price: € 1699

[Open Schedule](#)



Content N8N Workflow Automation

The course N8N Workflow Automation from SpiralTrain teaches you how to design and build powerful automation workflows using the n8n platform. You will learn how to connect applications, automate business processes, integrate APIs, and create intelligent workflows that streamline operations and eliminate repetitive tasks.

Introduction to N8N

The course N8N Workflow Automation begins with an introduction to n8n and workflow automation concepts. Self-hosted versus cloud options, installation, the n8n interface, nodes, triggers, and practical use cases are explored.

Building Workflows

This module covers creating workflows from scratch including trigger and action nodes, configuration, data mapping, testing, error handling basics, workflow organization, and using templates for rapid development.

Advanced Nodes

Here participants learn to work with advanced nodes including HTTP requests, webhooks, code execution, functions, conditional logic with IF and Switch nodes, data merging, splitting, and loop operations.

Integration and APIs

This part focuses on integrating external services through API authentication methods, OAuth, connecting third-party applications like Slack and Google Workspace, database connections, and building custom integrations.

Data Transformation

Data manipulation techniques are addressed including JSON processing, the expression language, filtering, aggregation, date-time functions, string and array operations, data validation, and error recovery strategies.

Production Deployment

The course concludes with production considerations including deployment strategies, environment management, credentials security, workflow monitoring, error notifications, performance optimization, scaling, and backup procedures.

Modules N8N Workflow Automation

Module 1: Introduction to N8N	Module 2: Building Workflows	Module 3: Advanced Nodes
N8N Overview Workflow Automation Concepts Self-Hosted vs Cloud Installation and Setup N8N Interface Nodes and Connections Triggers and Actions Workflow Execution Use Cases Best Practices	Creating First Workflow Trigger Nodes Action Nodes Node Configuration Data Mapping Testing Workflows Error Handling Basics Workflow Organization Saving and Versioning Workflow Templates	HTTP Request Node Webhook Node Code Node Function Node Set Node IF Node Switch Node Merge Node Split in Batches Loop Nodes
Module 4: Integration and APIs	Module 5: Data Transformation	Module 6: Production Deployment
API Authentication OAuth Integration API Keys Third-Party Apps Database Connections Email Integration Slack Integration Google Workspace CRM Systems Custom Integrations	Data Manipulation JSON Processing Expression Language Data Filtering Data Aggregation Date and Time Functions String Operations Array Operations Data Validation Error Recovery	Deployment Strategies Environment Variables Credentials Management Monitoring Workflows Error Notifications Performance Optimization Scaling Workflows Backup and Recovery Security Best Practices Production Checklist