

# Software Academy

Content catalog for NiceLabel LMS Enterprise

## Courses

Improve your skills and learn best practices in Loftware Academy.

IT administrators, operations managers, QA supervisors, label designers, and others can take specialized Academy courses and learn to use Loftware products to effectively design, manage, print, use applications, and automate labeling in your printing environment.

Academy courses range from 30 minutes to several hours and include interactive labs and quizzes to test your skills. We regularly add and update Academy courses.

Collection	Course Title	Difficulty	Description	Learning goals
Label Design	Creating a Simple Label Template	Beginner	This course teaches you how to create simple label templates in Designer. You will learn to navigate the interface, manage label objects (text, barcodes, images), and create and manipulate variables using functions.	<ul style="list-style-type: none"> <li>Learn how to navigate the Designer interface.</li> <li>Learn how to create a label template.</li> <li>Get familiar with managing label objects like text, barcodes, and images.</li> <li>Learn how to create and manage variables.</li> <li>Learn to manipulate variables using functions.</li> <li>Understand how to map dynamic data sources to label objects.</li> </ul>
Label Design	Connecting Labels to Excel	Beginner	Learn to design and print labels connected to databases, including how to link label objects to database fields and how to manage printing database records.	<ul style="list-style-type: none"> <li>Learn the advantages and disadvantages of connecting label templates to databases.</li> <li>Learn how to connect label templates to databases.</li> <li>Learn how to connect label objects to database fields.</li> </ul>
Label Design	Using Functions in label templates and forms	Beginner	In this course, you will learn what functions are, what types of functions are available in Designer, and how to use them in labels and forms.	<ul style="list-style-type: none"> <li>Learn what a function is and what it does.</li> <li>Discover the types of functions available.</li> <li>Learn how to use functions effectively.</li> </ul>
Label Design	Designing GS1 labels	Intermediate	This course teaches you how to design GS1 logistic labels in Designer.	<ul style="list-style-type: none"> <li>Learn about the GS1 standard.</li> <li>Configure a typical GS1-compliant logistic label.</li> <li>Create GS1-128 barcodes with Application Identifiers.</li> <li>Create the human-readable part of a logistic label.</li> </ul>
Label Design	RFID Labels	Advanced	Learn how to use RFID technology in labels and the different options with RFID	<ul style="list-style-type: none"> <li>Learn about RFID technology.</li> <li>Work with the components of RFID.</li> <li>Learn how to use RFID in label templates.</li> </ul>

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Label Design	Using Reports to Create Supply Chain Documents	Intermediate	Find out how you can support the entire labeling and shipping cycle with Designer, including supply chain documents.	Introducing the Report object in Designer. Configuring a Report object on the label template. Using label templates with Report label objects in your printing solutions.
Label Design	Connecting Your Label to Excel Online and Google Sheets	Beginner	Learn how to configure and print labels connected to Cloud Data sources: Excel Online and Google Sheets.	Connect a label to cloud data sources like Excel Online and Google Sheets. Use fields from Excel Online and Google Sheets in your label. Save and print labels linked to cloud data sources.
Label Design	Using Layers	Intermediate	Discover the fundamentals of layers in Designer. Learn their purpose and how to use them effectively.	Find out what are layers in Designer, their purpose and usage. Create layers in your label templates.
Label Design	Working with Text Objects	Beginner	In this course you'll learn to edit label text using Text, Text Box, and Rich Text Box. The course will help you understand how each object works, when to use it, and what makes it unique.	Learn the differences between Text, Text Box, and Rich Text Box in Software Designer. Discover when and why to use each text object. Explore typical use cases for each object. Understand best practices for clear and effective label design.
Integrations and Automations	Creating Simple Automation Triggers	Beginner	Learn how to configure a basic File trigger in Automation.	Learn how to use Automation Builder. Develop a simple file trigger. Test and deploy your trigger in Automation Manager.
Integrations and Automations	XML and JSON Data in Automation	Intermediate	Learn how to parse most common data formats in your Automation configurations.	Learn how to configure XML and JSON Data Filters to extract data. Optimize data extraction for better performance. Configure trigger actions to print extracted data on labels.

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Integrations and Automations	Integrating Software with SAP (ABAP Package)	Advanced	The course provides a technical overview of integrating SAP business applications with a certified, comprehensive Software SAP ABAP package.	Get familiar with the Software SAP ABAP Package and its components. Learn how to prepare your Software Cloud or NiceLabel LMS environment before using the SAP ABAP package. Get familiar with the functionality of the pre-built Automation configuration. Learn how to monitor printing events and manage the print history.
Integrations and Automations	Introduction to Automation	Beginner	Discover the fundamentals of the integration module, explore practical use cases, and gain insight into the various modules and their specific purposes.	Understand the fundamentals of the integration module - Automation. Understand how triggers, filters, and actions work together in Automation Builder. Learn to configure, test, and deploy Automation workflows. Manage and monitor Automation using Automation Manager and Control Center.
Integrations and Automations	Introduction to Network Triggers	Intermediate	Learn about the most commonly used Automation triggers and how to integrate your label printing with various business systems and hardware devices.	Learn how Automation uses network triggers to integrate label printing with business systems, enabling data pull and label printing from various sources. Understand the differences between types of network triggers. Explore the purpose and use cases of network triggers. Gain hands-on experience with trigger use cases through interactive labs.
General Knowledge	Introduction to NiceLabel LMS	Beginner	This course provides a brief overview of NiceLabel LMS, its modules, and their intended use.	Get an overview of NiceLabel LMS. Get familiar with its modules. Understand the usefulness of each module from the perspectives of different functional roles.
General Knowledge	Learning in the Academy	Beginner	Welcome to the Academy. This course will teach you how to use our learning system.	How to navigate within the academy and courses. About the key training tools, like courses and certifications. How to submit quiz answers and lab files for grading.
General Knowledge	Introduction to Dynamic Labeling	Beginner	This course introduces the concept of Dynamic Labeling. You'll learn about the benefits, how it's used, and how it impacts labeling changes. You'll also get to see some relatable examples.	Learn the differences between static and dynamic labeling. Learn the benefits of dynamic labeling. Learn how dynamic labeling is utilized. See some relatable examples of how label changes are addressed using both static and dynamic labeling.

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General Knowledge	How to translate courses in Loftware Academy	Beginner	Learn how to translate Academy courses into your preferred language.	Learn how to translate Academy courses using Loftware Academy tools. Learn how to translate Academy courses using your browser tools.
System Administration	User Management - Role Based Access	Beginner	Learn how to control access to specific labeling processes and how to assign the appropriate access levels to each user.	Learn the importance of role-based access. Understand how to manage Access Roles. Explore File Access Control. Customize file access permissions. Learn the process of file decommissioning. Understand how to remove published files.
System Administration	Managing Files in Document Storage	Beginner	Discover how to efficiently manage files in the document storage within Control Center.	Learn the purpose of Document storage and familiarize with essential file management commands. Preview label files and understand Label Preview benefits. Learn how to compare files. Manage file deletion. Understand the Electronic label catalog and its benefits. Learn about File decommissioning and when to use it.
System Administration	Installing and Maintaining NiceLabel LMS	Beginner	This course teaches administrators how to install NiceLabel LMS on a fresh instance of Windows Server.	Get familiar with the NiceLabel LMS installation options Learn about installation requirements Learn how to install Control Center on a single server Learn how to install the Web Printing site Learn how to activate Control Center Get tips and tricks on how to maintain your Control Center
System Administration	Managing NiceLabel LMS	Beginner	This course teaches you how to manage NiceLabel LMS, the on-premises label management system. This course is meant for IT administrators, application and integration designers, and NiceLabel power users.	Get familiar with NiceLabel LMS architecture and licensing. Understand authentication types for NiceLabel LMS users. Learn how to manage access roles. Learn how to manage documents. Learn how to manage printers. Learn how to manage history and analytics. Get familiar Web printing.
System Administration	Managing Web Printing	Intermediate	This course is for power users who manage Web Applications. Learn how to configure and administer Web Printing for secure and efficient use.	Learn about Web Printing and Web Applications, including their benefits and usage. Familiarize yourself with the steps to set up Web Applications and invite users to use them. Understand how your invited users should approach web printing.

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System Administration	Installing NiceLabel Desktop Apps for NiceLabel LMS Subscription Licenses	Beginner	This course teaches you how to install the desktop applications for NiceLabel LMS editions with Subscription licenses. Desktop applications include: Designer, Print, and Automation.	Install NiceLabel desktop applications. Explore the different modules in NiceLabel. Understand NiceLabel Windows services.
System Administration	Managing Printers In Control Center	Beginner	Learn how to install and manage your printers from Control Center.	Learn how to add printers to the Control Center and centrally deploy them. Learn about uploading and consolidating printer drivers. Learn how to manage printer preferences and printer profiles. Learn how to create and manage printer groups.
System Administration	Installing NiceLabel Desktop Apps for Perpetual Licenses	Beginner	This course teaches you how to install the desktop applications for NiceLabel customers with a perpetual license. (Customers with a 25-digit key have a perpetual license). Desktop apps include: Designer, Print, and Automation.	Install NiceLabel desktop applications. Explore the different modules in NiceLabel. Understand NiceLabel Windows services.
System Administration	Debugging and Troubleshooting Labels, Applications, Automation and Web Printing	Advanced	Learn how to troubleshoot and resolve issues in Loftware Cloud and NiceLabel product editions.	Identify and troubleshoot errors using Designer and Automation logs. Enable the Solution Builder debugging tool. Enable tracing for detailed diagnostics. Understand the Product.config file and its logging options. Use the Windows Event Viewer for system monitoring and error tracking.
Printing	Printing with Web Printing	Beginner	This course is for print operators who need to learn how to print labels via Web Printing.	Get started with Web Printing. Install the Web Printing client. Use shared solutions for efficient printing.
Application Design	Configuring Advanced Data Management Solutions	Advanced	Discover how to design and configure advanced data management applications tailored for print operators.	Get familiar with a solution for performing basic database operations (create, read, update, delete) using SQL. Understand the solution requirements. Learn the process workflow. Grasp the concept of the final solution for database operations.

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Application Design	Introduction to Solutions	Beginner	In this introductory course, you will learn about the possibilities of adapting your labeling system to the specifics of your business processes.	<ul style="list-style-type: none"> <li>Explore labeling platform customization options.</li> <li>Learn when and why to customize your labeling experience.</li> <li>Understand the concept of a solution file.</li> <li>Review example use cases.</li> </ul>
Application Design	Configure Your First Printing Solution	Beginner	In this course, you will get to know Designer as a solution builder and learn the basics of creating custom solutions.	<ul style="list-style-type: none"> <li>Learn how to use Designer to build custom solutions.</li> <li>Get familiar with solution objects and their usage.</li> <li>Understand the basics of setting up business logic.</li> </ul>
Application Design	Introduction to Data Management Solutions	Beginner	Learn about data management solutions and develop a basic sample solution.	<ul style="list-style-type: none"> <li>Discover the data management solutions you can create with Designer.</li> <li>Explore the various database types that facilitate effective database management.</li> <li>Learn how to create a simple data management form.</li> </ul>
Application Design	Best Practices in Creating Solutions	Intermediate	This course examines the best practices for designing forms in Designer. It provides various hints and tips to help you create user-friendly forms.	<ul style="list-style-type: none"> <li>Explore the best user experience practices of form design in Designer.</li> <li>Learn how to manage form size.</li> <li>Learn how to configure multilingual forms.</li> <li>Learn some useful tips while creating forms.</li> </ul>
Quality Assurance	Document Versioning & Approval Workflows	Intermediate	Learn how to use document revisions and manage approval workflows.	<ul style="list-style-type: none"> <li>Understand the concept of document versioning.</li> <li>Learn how to enable and configure versioning.</li> <li>Manage file revisions effectively.</li> <li>View and interpret file revision history.</li> <li>Grasp the concept of approval workflows.</li> <li>Enable and set up approval workflows.</li> <li>Utilize workflows for efficient processes.</li> </ul>
Quality Assurance	Audit Trail - History and Analytics	Beginner	Learn about History and Analytics features available in Control Center.	<ul style="list-style-type: none"> <li>Manage and analyze history data in Control Center.</li> </ul>

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Quality Assurance	Environments	Beginner	Discover how to handle multiple environments, learn about synchronization, and manage it effectively.	Learn about multiple environments in the quality assurance process. Explore how Loftware Cloud or NiceLabel LMS support multiple environments. Understand synchronization and its settings and rules.
Migrating from LPS	Gathering LPS Files (Artifacts)	Beginner	Learn how to gather your LPS files for migration and what to do once you have them.	Run the GetLPSArtifacts script to collect your LPS Artifacts. Learn how to manually retrieve LPS Artifacts. Learn how to troubleshoot common problems with the collection process.
Migrating from LPS	The Go-Live Event	Beginner	The course helps you plan for the big day of transition from your LPS system to your new Loftware solution.	How to prepare for the new solution Go-Live How to create and approve acceptance tests How to prepare your support teams for the day of the Go-Live
Migrating from LPS	Preparing for your LPS Migration Project	Beginner	This course helps you prepare for your upcoming LPS (Loftware Print Server) migration project.	The people involved in migration (both at your company and Loftware). The individual migration steps. The final LPS artifact collection. Environment deployment and label migration. User acceptance testing and the go-live event.
Migrating from LPS	Design & Print Concepts in LPS and Loftware Cloud	Beginner	Learn how concepts in Loftware Label Manager (LLM) and Print Server (LPS) translate to Loftware Cloud and NiceLabel.	Understand typical Loftware Print Server (LPS) and NiceLabel architectures. Learn the LPS and NiceLabel print processes. Explore how Loftware Label Manager (LLM) design elements appear in NiceLabel. Identify LLM label template features that can be converted to NiceLabel.
Migrating from LPS	Overview of LPS migrations	Beginner	The course provides you with a high-level overview and basic understanding of the migration process from LPS to other Loftware software.	Understand the migration process and steps. Learn how to communicate with Loftware. Explore the different roles involved in migration.



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Migrating from LPS	Consolidating Your Files (Artifacts) For Migration	Beginner	This guide helps you understand consolidation and decide what to consolidate before starting your project.	<p>Understand the importance of consolidating labels in your migration project.</p> <p>Know who is responsible for consolidation and the timeline.</p> <p>Learn the benefits of properly consolidated artifacts.</p> <p>Follow best practices and key considerations for consolidating labels and artifacts.</p>
Migrating from LPS	Migrating LPS Printing Solution to Loftware Automation	Advanced	Learn how to migrate your LPS label printing solution to Loftware Automation.	Migrate your LPS label printing solution to Automation.
Migrating from LPS	Converting LPS Labels to Loftware Cloud	Intermediate	Learn how to convert LPS labels to Loftware Cloud label format using the Cloud Conversion Service tool.	<p>Learn about the LPS to NiceLabel Conversion Utility and its results.</p> <p>Convert your LPS label templates to NiceLabel label templates.</p> <p>Receive and review the conversion report.</p> <p>Open and test a converted label.</p>

## Learning Paths & Certifications

Certifications bundle multiple courses on a specific topic. Complete all courses in the certification to receive your certificate, which you can share on your CV or LinkedIn.

Certifications expire after a couple of years. You can renew them.

Title	Time estimate	Description	Recommended for
NiceLabel Application Design	5.75h	IT users learn how to design label printing and label management applications in Designer.	IT users
NiceLabel Quality Assurance	2.75h	Quality Engineers learn about NiceLabel tools that help with your regulatory compliance. Keep your label revision history under control, master your approval workflows and get familiar with audit trail possibilities. *This certificate is intended for users who have a LMS Enterprise license.	Quality Engineers
NiceLabel Label Design	4 h	Label Designers learn how to navigate the NiceLabel interface and the basics of label design using Designer.	Label designers
NiceLabel Integration	3 h	System Administrators and IT users learn how to connect NiceLabel with other cloud-based and on-premises business systems. *This certificate is intended for users with a NiceLabel LMS Pro or Enterprise license.	System Administrators, IT users.
NiceLabel LMS Administration	5.25h	System Administrators and IT users learn how to install and maintain NiceLabel LMS system. *This certificate is intended for users who have LMS Pro or LMS Enterprise license.	System Administrators, IT users

