

NiceLabel Control Center Installation Guide

Rev-1507

Euro Plus d.o.o.

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Architecture

NiceLabel Control Center uses the client-server model of computing, where the server (**Control Center** Web page) provides the resources, such as consolidated storage of files and history of printing events, and the client (**NiceLabel PowerForms Desktop**) provides the label design and printout functionality. The clients and the server communicate over the computer network using the TCP/IP stack.

For full system requirements please see the chapter "System Requirements" on page 16.



The Server Components and Roles

These are the components that you have to install on the server. The first two are the mandatory server components.

- Web application. This is the main Control Center software component that runs on Microsoft Internet Information Services (IIS) using .NET platform.
- Database back-end. This is the database server that runs Microsoft SQL Server and hosts the Control Center database NiceAN.
- **RemoteApp back-end (optional).** This is the Microsoft RemoteApp server that is configured to publish the NiceLabel client to Control Center users. With RemoteApp, you can make programs that are accessed remotely through Remote Desktop Services appear as if they are running on the end user's local computer.

NOTE: This installation guide will provide the necessary steps to configure the already installed and activated RemoteApp server to be used with NiceLabel software. It is out of the scope of this installation guide to provide the installation instructions for the RemoteApp server. Please refer to the Microsoft guides covering this topic.

The server components require Windows Server operating system, preferably running in 64-bit mode.

Changes on the Server with the Web role

Two local Windows users are installed on the server, EPM_USER and EPM_DBADMIN. When Control Center reads or writes the data from NiceAN database it impersonates the EPM_USER and accesses the database with security context of that account. The identical EPM_USER account must be defined on the server with the database role (the same user name and password).

The following is installed on the IIS application server:

• The application EPM. The application EPM runs under the Default Web Site and is accessible on port 80 TCP. To access Control Center you must open the following URL in your browser:

http://server/EPM

• The site EPMWebDAV. This site allows access to the files stored in the Document Storage using WebDAV technology. The site runs on port 8080 TCP. For example, NiceLabel label and form designers will open the file from the Document Storage using WebDAV. You can access the files using the following syntax. The first one opens the file directly through WebDAV, the second one opens the file through WebDAV redirector, which is installed on the client (this is Windows feature available since Windows Vista).

\\server@8080\DavWWWRoot\folder\label.lbl

http://server:8080/folder/label.lbl

• **Two Application Pools.** The applications pools "EPMAppPool" and "EPMWebDAVAppPool" make sure the Control Center application runs isolated from other applications on this IIS server.



The following service is installed on the Windows system:

• NiceLabelEPMProxyService. This service takes care for synchronization of Document Storages between Control Centers in multi-tier landscape, it is used when running in the cluster system, and is essential part of the Control Center installation.

Changes on Server with the database role

Two local Windows users are installed on the Windows server where SQL Server is installed, EPM_USER and EPM_DBADMIN. The same Windows users are added into "Logins" in the SQL Server. The only purpose of the two Windows users is that Control Center impersonates them when interacting with the database NiceAN. By default, the Control Center uses Windows authentication when interacting with the SQL Server.



The roles and user permissions for the Windows accounts inside the SQL Server:

• **EPM_DBADMIN.** This user has granted the following roles: "Connect SQL" and "Create any database". The installer impersonates this user to create the database NiceAN and fill it with the initial data. This user also becomes owner of the database NiceAN. The user is mapped only to the database NiceAN.

Login Properties - TRAINER	EPM_DBADMIN				- D - X
Select a page	Script 🔻 🛐 Help				
Server Roles	Login name: TRAINER	EPM_DBADMIN			
Status	Securables:			Se	arch
	Name			Туре	
		RESS		Server	
The user EPM_DB/ SQL Server and	ADMIN can create ar is used to create data	ny database in the abase NiceAN.			
Connection	Permissions for	QLEXPRESS:			
Server: trainer\sqlexpress	Explicit Effective Permission	rantor	Grant	With Grant	Denv 🔺
Connection:	Connect SQL	A			
sa	Connect SQL	sa	v		
View connection properties	Control server				
D	Create any database				
Progress	Create any database	sa	v		
Ready	Create availability group				
1418 F	Create DDL event noti ∢				•
				ОК	Cancel

• EPM_USER. The Control Center application impersonates this user whenever it needs to interact with the database

Login Properties - EPM_USE	R 🗆 🖬 🗙
Select a page General Server Roles User Mapping Securables Status	Script
Connection Server: 192.168.21.183\sqlexpress Connection: sa Yiew connection properties Progress Ready Ready	db_accessadmin db_backupoperator db_datareader db_datawriter db_denydatareader db_denydatareader db_denydatareader db_denydatareader db_securtyadmin ✓ public The permissions of the user EPM_USER in the database NiceAN. OK

NiceAN. The user is mapped only to the database NiceAN.

The following is installed on the SQL database server:

• The database NiceAN. This database contains all Control Center related data.



WARNING: The local Windows user accounts cannot be created on the failover (high-availability) cluster system. If you want to install the NiceAN database into a clustered SQL Server, you will have to install the database separately from the main Control Center installation. You will be able to configure either Windows domain user account or SQL user account to connect to the SQL Server. "Installing to Multiple Servers" on page 32

The Client Components

These are the components you have to install on the client.

- NiceLabel PowerForms Desktop. This is the NiceLabel client that you will use for design and runtime activities.
- NiceLabel printer drivers. NiceLabel client will use these drivers to create the optimal print job for the target printer.
- Support for WebDAV. "Installing Support for WebDAV" on page 67.

When enabling the Application Server technology, you do not have to install any client software on the workstation. The NiceLabel program runs in its own re sizable window, can be dragged between multiple monitors, and has its own entry in the task bar and has the look and feel of the installed desktop application. The application runs on the server, but displays its user interface on the client's desktop.

Single-Server or Multiple-Servers Architecture

The Control Center server can be installed on one server, which will run all roles, or roles can be shared between more servers.

• Single server. This architecture involves putting all of the required components on a single server. In this case, one Windows Server machine is dedicated for NiceLabel software, no other applications are installed on this machine, so you don't have to worry about co-existence with other software. Your single Windows Server machine would be configured with the Web role (IIS) and database role (Microsoft SQL Server). As all components are installed on the same server, you only need a local Administrator user during the installation. The privileges of this user will be used to install the software and the database.



NOTE: To install Control Center in the single server architecture, run the installer and follow on-screen prompts.

• **Multiple servers.** In this architecture the application processing and data management functions are physically separated. You will have one Windows Server machine with the Web role (IIS) and another Windows Server machine with the database role (Microsoft SQL Server). Furthermore, both application and database landscape can be configured to run in a cluster system. The database landscape is configured in the high-availability (failover) cluster, while the application landscape is configured in the load-balancing cluster.

In this case, more groundwork is necessary to prepare the systems for the installation. As more systems are involved you have to collect the appropriate user account with permissions to install the application and the database.

NOTE: The steps to install Control Center in the multiple-server architecture depend on the SQL Server installation. If the remote SQL Server is running in the stand-alone mode, you can use the installer and follow on-screen prompts. If the remote SQL Server is running in the high-availability cluster mode, you will have to install the database NiceAN first (using a different installer), followed by the Control Center Web application. "Installing to Multiple Servers" on page 32.

Checklists

Pre-installation Checklist

SERVER CHECKLIST

Have a	ccess to the Windows accounts with administrative privileges and SQL system administrator
	WARNING: When installing the software to multiple servers, all servers must be managed through the same Windows domain.
To insta	Il NiceLabel software you must have access to the user with administrative privileges:
1.	On the Windows Server machine with Internet Information Services role where you will install Control Center Web site.
2.	On the Windows Server machine with Microsoft SQL Server role where you will install the Control Center database, so the users EPM_DBADMIN and EPM_USER can be added as local Windows users. The provided Windows account must be a domain user (not local Windows user), and must be member of local user group Administrators.
3.	On the SQL Server, so the database NiceAN can be added to the SQL Server. The entered user must have the sysad min server role defined on the SQL server. This must be as SQL user name, usually "sa".
0	NOTE: If the Windows user account you use to install Control Center has administrative privileges also on the Windows machine with SQL Server and the SQL Server itself, then you need just this one user name/password (and you do not need information from steps 2 and 3).
Interne	at access for the activation process
You will Window internet	need the internet access to activate NiceLabel Control Center. You do not need to allow internet connection to the vs Server where you have installed Control Center. You can activate Control Center from any other computer that has access.
Meetin	g prerequisites for the Internet Information Services (IIS) Web server
•	"Installing IIS Web Server" on page 22 for the Web Server Roles that you have to enable in the IIS.
•	Make sure the Internet Information Services (IIS) has the Default Web Site enabled.
Meetin	g prerequisites for the Microsoft SQL Server
•	"Installing Microsoft SQL Server" on page 18 for a step-by-step instructions how to install a new SQL Server.
•	The Control Center database NiceAN requires case-insensitive collation.
	Make sure to enable the SQL Server Browser service, if you use instance names. This will make the instances visible to external clients.
•	Make sure to enable the TCP/IP protocol for your SQL Server, if the SQL Server will be installed on a different machine than Control Center Web page. Start SQL Server Configuration Manager , expand SQL Server Network Configuration and enable the TCP/IP for the your server/instance.



	🏲 Action Center	n Administrative Tools	🛃 AutoPlay	
	💶 Color Management	Credential Manager	Pate and Time	
	💮 Default Programs	🚔 Device Manager	na Devices and Printers	
	🔄 Display	Sase of Access Center	F Folder Options	
	🗽 Fonts	🕼 Install Application on Remote Deskt	🔂 Internet Options	
	SCSI Initiator	i Keyboard	Mouse	
	Network and Sharing Center	Notification Area Icons	Personalization	
	Phone and Modem	Power Options	Programs and Features	
	Region and Language	RemoteApp and Desktop Connections	Sound	
	Sync Center	System	I askbar and Start Menu	
	E Text to speech	In Houseshooting	Ser Accounts	
4.	Browse for the installation execu	utable, click OK and follow on-screen ins	structions.	
On Wind	ows Server 2008 or Windows S	erver 2008 R2:		
1.	Open Control Panel.			
2.	Select Install Application on	Terminal Server.		
3.	Browse for the installation exect	utable, click OK and follow on-screen ins	structions	
On Wind	ows Server 2003 or Windows S	erver 2003 R2:		
1.	Open Control Panel.			
2.	Select Add or Remove Progra	ams.		
3.	Select Add New Programs.			
4.	Browse for the installation exect	utable, click OK and follow on-screen ins	structions.	
MOTE: T mode whe	his tool is available only when we en application installation is com	e install terminal server. It will automatica plete.	ally put terminal server into execut	e
 Installing the C	ontrol Center in environmen	nt with strict Group Policy rules, wh	ere the user names and	
passwords mus	t match strict rules			
passwords mus During the Contro Control Center ar strong enough for	t match strict rules of Center installation the Window of on the machine with SQL Ser some environments.	vs users EPM_DBADMIN and EPM_US ver hosting NiceAN database. These us	SER are created on the machine w sers have a strong password, but i	rith 10t
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Do the following:

- 1. Open Command Prompt window.
- 2. Type in the following command:

netstat -ano

3. The following is a screen shot from the machine, where Control Center has already been installed. You can see that port 8080 is in use (it is in state LISTENING). The process with PID 4 has the port in use.

C:4.	Administr	ator: C:\Windows\system32\a	cmd.exe	_ D X
C:\Users Active C Proto	Administrator>netstat connections Local Address	-ano Foreign Address	State	PID
ICP TCP TCP TCP TCP TCP TCP TCP	0.0.0.0135 0.0.0.0135 0.0.0.01445 0.0.0.01445 0.0.0.015985 0.0.0.015985 0.0.0.0149152 0.0.0.0149152 0.0.0.0149153 0.0.0.0149154	0.0.0.0:0 0.0.0.0:0 0.0.0.0:0 0.0.0.0:0 0.0.0.0:0 0.0.0.0:0 0.0.0.0:0 0.0.0.0:0 0.0.0.0:0 0.0.0.0:0 0.0.0.0:0	LISTENING LISTENING LISTENING LISTENING LISTENING LISTENING LISTENING LISTENING	4 576 4 4 4 376 688 724
TCP TCP TCP TCP TCP TCP TCP	0.0.0.0:49155 0.0.0.0:49156 0.0.0.0:49156 0.0.0.0:49186 0.0.0.0:55013 0.0.0.0:55512 192.168.148.175:139	Port 8080 in in used by p	rocess with ID 4.	480 272 472 480 908 4
TCP TCP TCP TCP TCP	192.168.148.175:55137 [::]:80 [::]:135 [::]:445	192.168.148.183:49160 [::]:0 [::]:0 [::]:0 [::]:0	ESTABLISHED LISTENING LISTENING LISTENING	908 4 576 4 ~

You can open a Task Manager to see which application has the process with ID opened.

P2	Task Mar	nager			_ _ ×
File Options View					
Processes Performance Users Details	Services				
		*	5%	40%	
Name	Status	PID	CPU	Memory	
System interrupts		-	0%	0 MB	
System		4	0%	0.1 MB	
Service Host: Local Service (No		72	0%	4.9 MB	\geq
Windows Session Manager		212	0%	0.3 MB	
Process ID 4 belongs to "S	System"	220	0%	1.2 MB	
"System" (in this case IIS) has t	he port 8080	256	0%	1.6 MB	3
opened.		272	0%	2.8 MB	

4. If you see that the port 8080 is already in use, you will have to choose another port for Control Center, so you do not disrupt the existing application.

Post-installation Checklist

SERVER CHECKLIST (NiceLabel Control Center)

□ Open ports in the firewall

Make sure the following inbound communication is allowed:

- 80 TCP: Inbound connections to the Control Center. The browsers on the workstations open Control Center page.
 The service LabelServices from the workstation sends information for printing process/statuses to the Control
 Center.
- 8080 TCP: Inbound connection to the Document Storage (WebDAV usage). If you have chosen a different port

during the installation, make sure that one is open.				
Support for WebDAV to use files in the Document Storage				
Each machine that need to access data inside a Document Storage, must have the WebDAV support installed. Some Windows operating systems have the WebDAV support already installed, for some you have to add the support before using the NiceLabel client.				
NOTE: The "client" is not only the application NiceLabel Pro or the application NiceForm, but any software accessing the Document Storage, including NiceLabel Automation or even Windows Explorer.				
"Installing Support for WebDAV" on page 67.				
Enable NiceAN database archiving scenario				
Configure the periodical archival of Control Center data collected in the NiceAN database. Archiving will free SQL Server resources. A default Control Center installation sets up archiving on a weekly basis.				
Make sure to adjust the scheduling based on your needs.				
Do the following:				
1. On the machine with Control Center installed, run Control Center Configuration.				
2. Select the Archiving option in the Control Center section, then click Settings .				
Control Center Configuration				
General Archiving preferences Error configuration Vour automatic archiving preferences are displayed below. You can User rights and access Your automatic archiving preferences by clicking the button below. Control Center Monitor print jobs Archiving The first Sat of every month, starting 4/3/2015 Monitor print jobs At 1:00 AM on the first Sat of every month, starting 4/3/2015 Nicelabel Pro E Desktop Settings NiceForm Form design NiceLabel Automation Settings NiceMemMaster v				

3. Fine-tune the details about when the archiving task should run and how old items from history should be removed.

Cancel

Apply

Help

ОК

Define how archiv	ing should ta	ake place. This d	lialog lets you	set the bas	ic schedule
Panel.	ieu coninguia	ation please see	the schedule	u tasks in y	our control
Task <u>N</u> ame:					
Control Center A	chiving				
<u>R</u> un:	A <u>t</u> :		<u>E</u> very fi	rst:	
Monthly	✓ 1:00	:00 AM 🔡	Saturd	ау	
Action:	<u> </u> tems	older than (day	s):		
Archive	✓ 90				
Archive <u>p</u> ath:					
C:\Program Files (x86)\EuroPlu	NiceLabel Con	trol Center\Ar	thive	Browse
Archive <u>file</u> name:					
EpmArchive					
Append DateTi	me to file nai	me			

The archiving task is defined as a task inside Windows application **Task Scheduler**. You can adjust some more detailed parameters, when you open the **Control Center Archiving** task in the "Task Scheduler Library".

3	Task Scheduler
File Action View Help	
🗢 🔿 🖄 📰 🚺 🖬	
Task Scheduler (Local)	Name Status Triggers Actions
Task Scheduler Library	Control Center Archiving Ready Runs on the First Saturday, Task Scheduler Library
	🕐 Optimize Start Menu Cache Ready When computer is idle 🛛 🔞 Create Basic Task
	🐌 Create Task
	Import Task
	Display All Running Ta
	📰 Disable All Tasks Histor
Edit the "Control Center Arc	niving" task.
	ggers Actions Conditions Settings History View
	Name: Control Center Archiving
	Location: \
	Author: CLEANSRV2012R2\Administrator
	Description:
	P Kun
	Uisable
	Export
	B Properties
	When running the task, use the following user account: FDM LISER

CLIENT CHECKLIST (NiceLabel PowerForms Desktop)

□ Enable full access permissions to NiceLabel's System folder

	NiceLabel client requires full access (read, write, delete) to the System folder.				
	The system folder is in this location:				
	%PROGRAMDATA%\EuroPlus\NiceLabel 6				
	This is usually not a problem, because folder % PROGRAMDATA% is writable to users by default.				
	Open ports in the firewall				
	If you use Windows Firewall and it is running, the exceptions are added to the list of allowed incoming connections. If Windows Firewall is off, the exceptions are not added automatically. If you use some other firewall, please configure it yourself.				
	 6758 TCP: Incoming connection from the Control Center to LabelServices (firewall exception for application "Label Services", C:\Program Files\Common Files\EuroPlus Shared\LblServices.exe). Service Label Services handles logging, printer management, reprints, etc. and is a vital component. 				
	 56415 TCP: Incoming connection from the Control Center to NiceLabel Automation service that allows remote management of Automation service. If you don't have NiceLabel Automation product licensed from the Control Center, you don't need to configure this inbound connection. 				
	Support for WebDAV to use files in the Document Storage				
	Each machine that need to access data inside a Document Storage repository, must have the WebDAV support installed. Some Windows operating systems have the WebDAV support already installed, for some you have to add the support before you can access the data.				
	NOTE: The "client" is not only the application NiceLabel Pro or the application NiceForm, but any software accessing the Document Storage, including NiceLabel Automation or even Windows Explorer.				
	"Installing Support for WebDAV" on page 67.				
	If you use proxy server, exclude local traffic from proxy				
	Bypass proxy server for local addresses, or the client might not get the license from the NiceLabel Control Center, and files in				
	Document Storage winnot be available. For more information see <u>knowledge base at tice kb 105</u> .				
	Cocal Area Network (LAN) Settings				
	Automatic configuration				
	Automatic configuration may override manual settings. To ensure the use of manual settings, disable automatic configuration.				
	Automatically detect settings				
	Use automatic configuration script				
	Address				
	Proxy server				
	Use a proxy server for your LAN (These settings will not apply to dial-up or VPN connections).				
	Address: proxy Port: 80 Advanced				
	▼ Bypass proxy server for local addresses				
	OK Cancel				
_	Add Control Contexts the Trusted sites				
	Add Nicel abel Control Center to the list of Trusted Sites in your browser. This will allow Decument Storage plusin to run in				
	your browser.				

P 23
General Security Privacy Content Connections Pros Select a zone to view or change security settings. Add the Windows server with Control Center to trusted sites.
Internet Local intranet Trusted sites Restricted
sites
This zone contains websites that you trust not to damage your computer or your files.
Security level for this zone
Allowed levels for this zone: All Allowed levels for this zone: All Allowed levels for this zone: All websites in this zone will use the zone's security settings. Content
- Unsigned ActiveX control Add this website to the zone:
Enable Protected Mode (requires II)
Custom http://controlcenterserver Remove
Rei
OK
Close
Installing support for Python
To use Python in NiceLabel client, you have to install Python into your Windows system. To install Python support, you have to install two components "Python core" and "Python for Windows extension (PyWin)".
Do the following:
1. Open Download page on NiceLabel Web site.
2. Download the Python support files.
NOTE: You can find the Python installation files on the DVD in the folder AddOns/Python.
3. First install Python 2.7. Follow on-screen instructions.
4. Then install PyWin32 extensions. Follow on-screen instructions.
Client prerequisites for running NiceLabel clients as RemoteApp programs
To access RemoteApp programs that are deployed as .RDP files, the client computer must be running Remote Desktop Connection (RDC) 6.0 or RDC 6.1.
A supported version of the RDC client is included with Windows Server 2008 and Windows Vista and newer. To download RDC 6.0 for Windows Server 2003 with Service Pack 1 (SP1), Windows Server 2003 with Service Pack 2 (SP2), or Windows XP with SP2, see article 925876 in the Microsoft Knowledge Base.
To access RemoteApp programs on Mac OS or Android OS, make sure to install the Microsoft Remote Desktop client.

System Requirements

0

NOTE: The up-to-date system requirements are also available online at: http://www.nicelabel.com/Products/Specifications/System-requirements

NiceLabel Control Center

In order for a successful Control Center installation, your hardware and software must fulfill the following system requirements:

- CPU: Intel or compatible x86 family processor
- Memory: 512 MB or more RAM
- Hard drive: 1 GB of available disk space
- **Operating system:** One of the 32-bit or 64-bit Windows server operating systems: Windows Server 2003, Windows Server 2003 R2, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012 R2
- Microsoft .NET Framework Version 4.0
- ASP.NET AJAX Extension
- Web server: IIS 6 or above

You need the following components to be installed in IIS:

- Common HTTP features: Default Document, Directory Browsing, HTTP Errors, Static Content
- Health and Diagnostics: HTTP Logging
- Performance: Static Content Compression
- Security: Request Filtering, Basic Authentication, Windows Authentication
- Application development: .NET Extensibility 4.5, ASP.Net 4.5, CGI, ISAPI Extensions, ISAPI Filters
- Management tools: IIS Management Console

You must also install the HTTP-Activation .NET feature.

The Control Center installer will verify the current configuration of your IIS and suggest the necessary changes.

Database server: Microsoft SQL Server 2005, Microsoft SQL Server 2008, Microsoft SQL Server 2012, Microsoft SQL Server 2014

(Express Edition of products listed above also supported)

Depending on the architecture of the solution as well as the hardware being used, the Control Center and the database server (Microsoft SQL Server) can be installed on the same or on the separate systems.

The SQL Server must be configured as follows:

- Case insensitive database collation
- Display: 1024×768 or higher resolution monitor
- Servers managed through Windows domain in multi-tier environments (where the Web and SQL roles are installed on separate machines)

NiceLabel PowerForms Desktop (clients)

- CPU: Intel or compatible x86 family processor
- Memory: 256 MB or more RAM
- Hard drive: 1 GB of available disk space
- **Operating system:** 32-bit or 64-bit Windows operating systems: Windows XP Service Pack 3, Windows Vista, Windows 7, Windows 8, Windows 8.1, Windows 10, Windows Server 2003, Windows Server 2003 R2, Windows Server 2008, Windows Server 2008 R2, Windows Server 2012, Windows Server 2012 R2

- **Display:** 1024×768 or higher resolution monitor
- Support for WebDAV: "Installing Support for WebDAV" on page 67.

Installing Windows Server Prerequisites

Installing Microsoft SQL Server

Microsoft SQL Server is database server and is a required component to run NiceLabel Control Center product. Control Center stores all its data in the database NiceAN.

You can install the database on the same machine, where the Control Center web application will be installed, or on a different machine. If you have Microsoft SQL Server already up and running, skip the instructions below, but make sure to comply with the prerequisites. "Checklists" on page 8.

Do the following:

NOTE: The instructions below are for the Express edition of the Microsoft SQL Server 2012. You have to take similar steps to install other editions of the SQL Server.

- 1. Run the SQL Server installer.
- 2. In Installation section, select New SQL Server stand-alone installation or add features to an existing installation.

1		SQL Server Installation Center	-		×
Planning Installation Maintenance Tools Resources	*	New SQL Server stand-alone installation or add features to an existing insta Launch a wizard to install SQL Server 2012 in a non-clustered environment features to an existing SQL Server 2012 instance. Upgrade from SQL Server 2005, SQL Server 2008 or SQL Server 2008 R2 Launch a wizard to upgrade SQL Server 2005, SQL Server 2008 or SQL Serve SQL Server 2012.	illation or to a r 2008	n add R2 to	
Options				_	

- 3. Accept the license terms. Click Next.
- 4. Use Microsoft Update to check for important updates. This is not mandatory step, but is highly recommended. Click Next.
- 5. In Feature Selection section, select the features for installation.

a	NOTE: The minimum you need is the Database Engine Services, but it is a good idea to install the Management
U	Tools as well so you can manage the database, if needed.

	SQL Server 2012 Setup	
Feature Selection Select the Express features to i	nstall.	
Setup Support Rules License Terms Feature Selection Installation Rules Instance Configuration Disk Space Requirements Senser Configuration	Features: Database Engine Services _ SQL Server Replication Shared Features Client Tools Connectivity Client Tools Backwards Compatibility Client Tools Backwards Compatibility	Feature description: The configuration and operation of each instance feature of a SQL Server instance is isolated from other SQL Server instances. SQL Server instances can operate side-by- side on the same computer.
Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Cuelli Tools 3DX Management Tools - Basic Management Tools - Complete SQL Client Connectivity SDK LocalDB Redistributable Features Selecting the f Engine Service	Prerequisites for selected features: Already installed: Windows PowerShell 2.0 Microsoft .NET Framework 3.5 Microsoft Visual Studio 2010 Redistributab features for installation, "Database es" is mandatory, other features are optional.
	Shared feature directory (x86): C:\Program Files\M Shared feature directory (x86):	iicrosoft SQL Server\
	< Back	Next > Cancel Help

6. In Instance Configuration section, make a choice if you want to use default instance or named instance. An SQL Server instance is a complete SQL server and you can install many instances on a machine but you can have only 1 default instance. An SQL Server instance has its own copy of the server files, databases and security credentials. Click **Next**.

In this example a named instance "SQLExpress" is used.

1	SC	L Server 2012 S	etup		-		x
Instance Configuration Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.							
Setup Support Rules Feature Selection Installation Rules	 Default instance Named instance: 	SQLExpress					
Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress	Instance ID: Instance root directory: SQL Server directory: Installed instances:	SQLEXPRESS C:\Program Files\ C:\Program Files\!	Microsoft SQL Server\ Vicrosoft SQL Server\N	4SSQL11.SQLEXPRESS			
	Instance Name 1	nstance ID	Features	Edition	Version		
			< Back Nex	kt > Cancel		Help	

7. In Server Configuration section, leave the Startup Type for SQL Server Database Engine on automatic.

If you want to announce the presence of your SQL Server on the network, enable the service SQL Server Browser. If not, you will have to know the name\instance of the server and manually enter it, whenever connecting to this SQL Server. Click **Next**.

1	SQL Server 2	2012 Setup		_ D ×
Server Configuration Specify the service accounts and	d collation configuration.			
Setup Support Rules	Service Accounts Collation			
Feature Selection Installation Rules	Microsoft recommends that you	use a separate account for each	SQL Server servi	ice.
Instance Configuration	Service	Account Name	Password	Startup Type
Disk Space Requirements	SQL Server Database Engine	NT Service\MSSQL\$SQL		Automatic 🗸
Server Configuration	SQL Server Browser	NT AUTHORITY\LOCAL		Automatic 🗸
Database Engine Configuration				
Error Reporting				
Installation Configuration Rules				
Installation Progress				
Complete	Keep the SQL Server running. If you use instar Server Br	Database Engine servi ces make sure to enable owser as well.	ce e SQL	
		< Back Next	> Can	cel Help

8. In Server Configuration section, go to Collation tab. Make sure the case-insensitive collation is selected.

	SQL Server 2012 Setup	_ D X
Server Configuration Specify the service accounts ar	d collation configuration.	
tup Support Rules sature Selection stallation Rules stance Configuration sk Space Requirements erver Configuration tabase Engine Configuration tor Reporting stallation Configuration Rules stallation Progress pomplete	Service Accounts Collation Database Engine: SQL_Latin1_General_CP1_CI_AS Latin1-General, case-insensitiv accent-sensitive, kanatype-insensitive, width- insensitive for Unicode Data, SC, over Sort Order 52 on Code Page 1252 for non Unicode Data The acronym CI stands for case- insensitive.	Customize

lf	vou will customize	vour collation setting	s, make sure the	option Case-	sensitive is disabled.
		Joan conc.con containing	<i>je,</i>	00000	

Customize the SQL Server 2012 Database Engine Collation					
Select the collation you would like	Select the collation you would like to use:				
O Windows collation designator a	nd sort order				
Collation designator:	Danish_Norwegian v				
Binary	Binary-code point				
Case-sensitive	Kana-sensitive				
Accent-sensitive	☐ Width-sensitive				
Supplementary charact	、 、				
 SQL collation, used for backwa SQL_Hungarian_CP1250_CI_AS SQL_Hungarian_CP1250_CS_AS SQL_Icelandic_Pref_CP1_CI_AS SQL_Latin1_General_CP1_CI_AS SQL_Latin1_General_CP1_CL_AS 	The option Case-sensitive must be disabled.				
Collation description: Latin1-General, case-insensitive, accent-sensitive, kanatype-insensitive, width-insensitive for Unicode Data, SQL Server Sort Order 52 on Code Page 1252 for non-Unicode Data OK Cancel					

Click Next.

9. In Database Engine Configuration section, go to Server Configuration tab and specify the authentication mode. The Control Center needs Windows authentication mode. However, if you also plan to use NiceLabel PowerForms Web product for printing labels from your browser, you need Mixed mode.

In this example, the Mixed Mode will be used. You have to specify the password for the SQL Server system administrator - "sa" user.

In Specify SQL Server administrators, you can select Windows users that will have administrative role in the SQL Server. By default, the local Windows administrator is also the SQL Server administrator.

6	SQL Server 2012 Setup				
Database Engine Configuration					
Specify Database Engine authe	ntication security mode, administrators and data directories.				
Setup Support Rules Feature Selection Installation Rules Instance Configuration Disk Space Requirements Server Configuration Database Engine Configuration Error Reporting Installation Configuration Rules Installation Progress Complete	Server Configuration Data Directories User Instances FILESTREAM Specify the authentication mode and ad Windows and SQL authentication modes are both enabled simultaneously. O Windows authentication mode Windows authentication Image: Specify the password for the SQL Server authentication and Windows authentication) Specify the password: Image: Specify SQL Server administrators				
	CLEANSRV2012/R2M/Administrator (Administrator) SQL Server administrators have unrestricted access to the Database Engine. Add Current User Add				
	< Back Next > Cancel Help				

Click Next.

- 10. Click Next.
- 11. When the installation completes, click Close.

Installing IIS Web Server

Internet Information Services (IIS) is the Microsoft Web server and is a required component to run NiceLabel Control Center product. IIS is available with Windows Server operating systems, you just have to enable and configure it.

Do the following:

- 1. Login to Windows Server using the user with local administrative permissions, such as local Administrator user account.
- 2. Start Server Manager from the Start screen.



3. Click Manage, then click Add Roles and Features.

<u>a</u>	Server Manager	_ _ X
Server M	anager • Dashboard 🛛 🔹 🕫 🖡	Manage Tools View Help
Dashboard Local Server All Servers File and Storage Services ▷	Click Add Roles and Features.	Remove Roles and Features Add Servers Create Server Group Server Manager Properties
	QUICK START 2 Add roles and features 3 Add other servers to manage WHATS NEW 4 Create a server group	≡ Hide
	ROLES AND SERVER GROUPS Roles: 1 Server groups: 1 Servers total: 1 File and Storage Services 1 Image ability Events Performance BPA results	1

4. Select Role-based or feature-based installation. Click Next.



- 5. Select a local server from the server pool. Click **Next**.
- 6. In Server Roles step, enable the Web Server (IIS) option. Click Add Features. Click Next.

🚡 Add Roles and Features Wizard 📃 🗖 🗙					
Select server roles Destination server CleansRv2012R2					
Before You Begin	Select one or more roles to ins	Add Roles and Features Wizard			
	Roles	Add features that are required for Web Server (IIS)?			
Server Roles Features Confirmation Results Enable this option	Application Server DHCP Server DHCP Server Fax Server Fax Server File and Storage Servic yper-V letwork Policy and Ac rint and Document Se emote Access Remote Desktop Servi Volume Activation Ser Web Server Web Server	The following tools are required to manage this feature, but do not have to be installed on the same server.			
	Windows Deployment Windows Server Essen Windows Server Updat	Include management tools (if applicable) Add Features Cancel			
		< Previous Next > Install Cancel			

7. Select Web Server Role (IIS)>Role Services. Make sure the following role services are enabled. Click Next.

In Common HTTP Features.

- Default Document
- Directory Browsing
- HTTP Errors
- Static Content

In Health and Diagnostics:

HTTP Logging

In Performance:

Static Content Compression

In Security:

- Request Filtering
- Basic Authentication
- Windows Authentication

In Application Development:

- .NET Extensibility 4.5
- ASP.NET 4.5
- CGI
- ISAPI Extensions
- ISAPI Filters

In Management Tools:

• IIS Management Console



8. Click Install. Click Close when the installation completes.

If you are using Windows Server 2012 R2, you must also install the HTTP-Activation .NET feature.

Do the following:

- 1. Login to Windows Server using the user with local administrative permissions, such as local Administrator user account.
- 2. Start Server Manager from the Start screen.



3. Click Manage, then click Add Roles and Features.

<u>a</u>	Server Manager	_ _ X
Server M	anager • Dashboard 🛛 🔹 🕫 🖡	Manage Tools View Help
Dashboard Local Server All Servers File and Storage Services ▷	Click Add Roles and Features.	Remove Roles and Features Add Servers Create Server Group Server Manager Properties
	QUICK START 2 Add roles and features 3 Add other servers to manage WHATS NEW 4 Create a server group LEARN MORE 2	≡ Hide
	ROLES AND SERVER GROUPS Roles: 1 Server groups: 1 Servers total: 1 File and Storage Services 1 Image ability Events Performance BPA results	1

4. Select Role-based or feature-based installation. Click Next.



- 5. Select a local server from the server pool. Click ${\bf Next}.$
- 6. Click Features in the selection list on the left.
- 7. Expand .NET Framework 4.5 Features.
- 8. Expand WCF Services.
- 9. Enable HTTP Activation. Click Next.

a	Add Roles and Features Wizard	_ D X	
E Select features Before You Begin Installation Type Server Selection Server Roles Features Confirmation Results	Add Roles and Features Wizard Select one or more features to install on the selected server. Features .NET Framework 3.5 Features INET Framework 4.5 Features (3 of 7 installed) .NET Framework 4.5 (Installed) .NET Framework 4.5 (Installed) .NET Framework 4.5 (Installed) INET Framework 4.5 (Installed) Mercircles (1 of 5 installed) INTP Activation Message Queuing (MSMQ) Activation Named Pipe Activation 	DESTINATION SERVER CleanSRV2012R2 Description HTTP Activation supports process activation via HTTP. Applications that use HTTP Activation can start and stop dynamically in response to work items that arrive over the network via HTTP.	
	Image: Constraint of the imag		

10. Click Install. Click Close.

Installing Control Center Components

Installing to Single Server

The prerequisites required for the installation:

- Local Administrator user account during the installation. This single user account will be used to install the software, add the required Windows local users, install and configure the Microsoft SQL database.
- Make sure your Internet Information Services is configured correctly. "Installing IIS Web Server" on page 22.
- Make sure your SQL Server is configured correctly. "Installing Microsoft SQL Server" on page 18.
- Make sure you are familiar with the requirements on the pre-installation checklist. "Pre-installation Checklist" on page 8

Do the following:

- 1. Close all open applications before starting the installer.
- 2. Insert the Control Center DVD. An installation window should open. If the installation wizard does not start, double-click the START. EXE file in the main folder on the DVD.
- 3. Select Install NiceLabel product.



4. Select NiceLabel Control Center.



- 5. Select the language in which the installer will run.
- 6. Click Next.
- 7. Accept the license agreement. Click Next.

0	NiceLabel Control Center - InstallAware Wizard	- 0	3	×
	Euro Plus d.o.o. NiceLabel Control Center Setup		-	
(i)	License Agreement			
	Please read the following License Agreement. You must accept the terms of this agreement before you can continue with the installation.			
	END USER LICENSE AGREEMENT	^		
	THIS END USER LICENSE AGREEMENT ("AGREEMENT") IS A BINDING LEGAL CONTRACT BETWEEN YOU (DEFINED BELOW) AND EURO PLUS, D.O.O. ("EURO PLUS"). BY DOWNLOADING, INSTALLING, ACCESSING OR USING ANY SOFTWARE PROVIDED BY EURO PLUS TO YOU OR ANY ASSOCIATED DOCUMENTATION PROVIDED WITH THIS AGREEMENT (COLLECTIVELY, THE "SOFTWARE") YOU REPRESENT THAT YOU ARE ACTING ON BEHALF OF YOUR ORGANIZATION (SUCH ORGANIZATION BEING HEREINAFTER REFERRED TO AS "YOU") AND ARE AUTHORIZED TO, AND DO, ACCEPT THESE TERMS AND CONDITIONS ON ITS BEHALF. IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT, EURO PLUS IS NOT WILLING TO LICENSE ANY RIGHT TO USE OR ACCESS THE SOFTWARE TO YOU. IN SUCH EVENT, DO NOT DOWNLOAD, INSTALL, ACCESS, USE OR COPY THE SOFTWARE. The Software is licensed to you, not sold. The Software is protected by United States and international copyright and trademark laws. Except for the limited license granted in this Agreement, Euro Plus and its licensors retain all right, title and interest in the Software, all copies threfor, and all proprietary rights in the Software and any associated documentation, including copyrights, patents, trademarks and trade secret rights.	=		
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	✓ I accept the terms of the License Agreement			
	< Back Next >	Ca	ncel]

- 8. Read the installation notes. Click Next.
- 9. Enter the user information. Click Next.
- 10. Select the folder where Control Center files will be saved. Click Next.
- 11. Define the Start Menu folder into which shortcuts will be placed. Click Next.

12. Define the WebDAV site settings. You have to define the site name and port number on which the site will run. This site is the WebDAV entry point into the Document Storage for all applications that work with files in the Document Storage. This site will be installed in the IIS on the current machine.

WARNING: Make sure the entered port number is not in use by any other application on this machine. The port might be used by a site in IIS, or by some other application. "Pre-installation Checklist" on page 8.

NiceLabel Control C	Center - InstallAware Wizard
MiceLabel Control Center	Setup
WebDAV Site Settings	Please enter the site name and port that can be used.
NiceLabel Control Center needs to create a new web site that will enable users to store and use files from a centralized location.	Site name: EPMWebDAV Port: 8080 Make sure the port is not in use already.
Click Next to continue.	
	< Back Next > Cancel

13. Select a Microsoft SQL Server, which will be used by the Control Center. This is infrastructure example with single server and the local machine also has the role of a database server. Select the local SQL Server. Click **Next**.

NOTE: The administrative account you use for Control Center install is also administrator in the local SQL Server. It has permissions to create local Windows users EPM_DBADMIN and EPM_USER and grant them access in the SQL Server. The database NiceAN is then created using the EPM_DBADMIN user credentials.



14. Define the time interval in which the old data is removed from the database. The archiving is one way process. What you remove from the database, cannot be imported back. The archive is done into the Microsoft Access database on the machine running SQL Server. Click **Next**.

NOTE: You can fine-tune the archiving time interval and data retention at a later time in Windows Task Scheduler.		
Image: NiceLabel Control Image: NiceLabel Control Center	Center - InstallAware Wizard	
NiceLabel Control Center Database archivation Define how the NiceLabel Control Center database will be archived during the time. Setup Wizard will prepare a system scheduler task, which will periodically execute the database archivation.	How often should the database be archived: Monthly Every first Saturday move the data older than three months to the archive database. Weekly Every Saturday move the data older than one month to the archive database. Daily Daily move the data older than one week to the archive database. Note: Above are default archivation settings. You can change the detailed settings in the Configuration utility after the NiceLabel Control Center installation completes.	
Click Next to continue.		
< Back Next > Cancel		

15. Click Install.

- 16. Click **Finish** button and Control Center will open in a browser.
- 17. Activate the Control Center. "Licensing" on page 72.

Installing to Multiple Servers

In this case, there are two available scenarios:

- 1. The remote SQL Server is set up as a stand-alone machine.
- 2. The remote SQL Server is set up in the failover cluster.

SCENARIO 1: The remote SQL Server is a stand-alone machine

The prerequisites required for the installation:

- Local Administrator Windows user account for the installation on the machine with the Web role (IIS).
- Local Administrator Windows user account for the installation on the machine with the database role (Microsoft SQL Server). This is required so the installer can create two Windows users: EPM_DBADMIN and EPM_USER.
- Administrative access to the SQL Server. If the local Administrator Windows user account on the machine with the database role also has the administrative access to the SQL Server, that Administrator account will be used to install the database. If not, the installer will prompt you for the SQL user account with administrative permissions to the SQL Server. This is usually the SQL user "sa".
- Make sure your Internet Information Services is configured correctly. "Installing IIS Web Server" on page 22.
- Make sure your SQL Server is configured correctly. "Installing Microsoft SQL Server" on page 18.
- Make sure you are familiar with the requirements on the pre-installation checklist. "Pre-installation Checklist" on page 8

Do the following:

- 1. Close all open applications before starting the installer.
- 2. Insert the Control Center DVD. An installation window should open. If the installation wizard does not start, double-click the START.EXE file in the main folder on the DVD.
- 3. Select Install NiceLabel product.



4. Select NiceLabel Control Center.



- 5. Select the language in which the installer will run.
- 6. Click Next.
- 7. Accept the license agreement. Click Next.

0	NiceLabel Control Center - InstallAware Wizard	- 0	3	×
	Euro Plus d.o.o. NiceLabel Control Center Setup		-	
(i)	License Agreement			
	Please read the following License Agreement. You must accept the terms of this agreement before you can continue with the installation.			
	END USER LICENSE AGREEMENT	^		
	THIS END USER LICENSE AGREEMENT ("AGREEMENT") IS A BINDING LEGAL CONTRACT BETWEEN YOU (DEFINED BELOW) AND EURO PLUS, D.O.O. ("EURO PLUS"). BY DOWNLOADING, INSTALLING, ACCESSING OR USING ANY SOFTWARE PROVIDED BY EURO PLUS TO YOU OR ANY ASSOCIATED DOCUMENTATION PROVIDED WITH THIS AGREEMENT (COLLECTIVELY, THE "SOFTWARE") YOU REPRESENT THAT YOU ARE ACTING ON BEHALF OF YOUR ORGANIZATION (SUCH ORGANIZATION BEING HEREINAFTER REFERRED TO AS "YOU") AND ARE AUTHORIZED TO, AND DO, ACCEPT THESE TERMS AND CONDITIONS ON ITS BEHALF. IF YOU DO NOT AGREE TO THE TERMS OF THIS AGREEMENT, EURO PLUS IS NOT WILLING TO LICENSE ANY RIGHT TO USE OR ACCESS THE SOFTWARE TO YOU. IN SUCH EVENT, DO NOT DOWNLOAD, INSTALL, ACCESS, USE OR COPY THE SOFTWARE. The Software is licensed to you, not sold. The Software is protected by United States and international copyright and trademark laws. Except for the limited license granted in this Agreement, Euro Plus and its licensors retain all right, title and interest in the Software, all copies threfor, and all proprietary rights in the Software and any associated documentation, including copyrights, patents, trademarks and trade secret rights.	=		
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	✓ I accept the terms of the License Agreement			
	< Back Next >	Ca	ncel]

- 8. Read the installation notes. Click Next.
- 9. Enter the user information. Click Next.
- 10. Select the folder where Control Center files will be saved. Click Next.
- 11. Define the Start Menu folder into which shortcuts will be placed. Click Next.

12. Define the WebDAV site settings. You have to define the site name and port number on which the site will run. This site is the WebDAV entry point into the Document Storage for all applications that work with files in the Document Storage. This site will be installed in the IIS on the current machine.

WARNING: Make sure the entered port number is not in use by any other application on this machine. The port might be used by a site in IIS, or by some other application. "Pre-installation Checklist" on page 8.

NiceLabel Control (Center - InstallAware Wizard
MiceLabel Control Center	Setup
WebDAV Site Settings	Please enter the site name and port that can be used.
NiceLabel Control Center needs to create a new web site that will enable users to store and use files from a centralized location.	Site name: EPVIVebDAV Port: 8080 Make sure the port is not in use already.
Click Next to continue.	
	< Back Next > Cancel

13. Select a Microsoft SQL Server, which will be used by the Control Center. This is infrastructure example with multiple servers and the SQL Server is installed on another machine. Select the appropriate Microsoft SQL Server name and enter the instance name, if it was set up with a non-default name (for example, SERVERNAME\SQLEXPRESS). Click Next.

NOTE: The administrative account you use for Control Center install is also administrator in the local SQL Server. It has permissions to create local Windows users EPM_DBADMIN and EPM_USER and grant them access in the SQL Server. The database NiceAN is then created using the EPM_DBADMIN user credentials.



Dependent on the privileges of the Windows account your are performing the installation of Control Center with, two additional wizard steps might display. If the Windows account you are currently logged in also has administrative privileges for both SQL Server and Windows system on the remote machine, you will not see the two additional steps. However, if your Windows account is just local administrator, but has no privileges on the remote machine with SQL Server, you will be prompted for additional credentials.

ADDITIONAL STEP 1. If the currently logged-in Windows account does not have privileges to install database
 NiceAN into the remote SQL Server, the installer will prompt you for the SQL user name that has the "Create any
 database" permission in the SQL Server. Click Next.

NOTE: This is a SQL user name from the SQL Server, this is not Windows account from the machine where SQL Server is installed. Usually, you will use the "sa" user here.

NiceLabel Control (Center - InstallAware Wizard
Furo Plus d.o.o. NiceLabel Control Center	Setup
Microsoft SQL Server Authentication The current user account does not have permissons required to manage the SQL Server atabase. You need to provide an account which is a member of the sysadmin fixed server role.	Please enter the SQL Server administrative account credentials. User: sa Password: **********
Click Next to continue.	
	< Back Next > Cancel

• ADDITIONAL STEP 2. If the currently logged-in Windows account does not have the privileges to install local Windows users EPM_DBADMIN and EPM_USER to the remote Windows machine with SQL Server, you will be prompted for the user name that has such privileges. You have to provide the domain user account that has Administrative privileges to the remote Windows machine. Usually, this will be either a domain Administrator, or a domain user that is member of the Administrators user group on the remote Windows system. Click **Next**.



NOTE: You must provide a domain user name. Local Administrator user account from the remote Windows machine cannot be used.
NiceLabel Control	Center - InstallAware Wizard
Furo Plus d.o.o. NiceLabel Control Center	Setup
Remote Server Authentication	Please enter the user name and password of an administrative account with enough permissions to create new user.
NiceLabel Control Center needs to create a local user account on the remote computer running the SQL Server database. Currently logged on user does not have enough privileges to perform this task.	Domain: DOMAIN Username: Administrator Password: ************************************
Click Next to continue.	
	< Back Next > Cancel

14. Define the time interval in which the old data is removed from the database. The archiving is one way process. What you remove from the database, cannot be imported back. The archive is done into the Microsoft Access database on the machine running SQL Server. Click **Next**.

NOTE: You can fine-tune the archiving time interval and data retention at a later time in Windows Task Schedule				
NiceLabel Control Center - InstallAware Wizard				
NiceLabel Control Center Database archivation Define how the NiceLabel Control Center database will be archived during the time. Setup Wizard will prepare a system scheduler task, which will periodically execute the database archivation.	 How often should the database be archived: Monthly Every first Saturday move the data older than three months to the archive database. Weekly Every Saturday move the data older than one month to the archive database. Daily Daily move the data older than one week to the archive database. Note: Above are default archivation settings. You can change the detailed settings in the Configuration utility after the NiceLabel Control Center installation completes.			
Click Next to continue.				
	< Back Next > Cancel			

15. Click Install.

- 16. Click **Finish** button and Control Center will open in a browser.
- 17. Activate the Control Center. "Licensing" on page 72.

SCENARIO 2: The remote SQL Server is installed in the failover cluster

WARNING: The Control Center installer does not support installation on the SQL Server running in the cluster. You will have to install the database separately from the main Control Center installation using a database installer utility available on the NiceLabel DVD.

The prerequisites required for the installation:

- Local Administrator Windows user account for the installation on the machine with the Web role (IIS).
- Administrative account for the SQL Server so the database NiceAN can be installed. This can be a Windows user that has been set up as SQL administrator (Logins section in the SQL Server Management Studio), or this can be a SQL user account with permissions to create a database, such as the user "sa".
- Make sure your Internet Information Services is configured correctly. "Installing IIS Web Server" on page 22.
- Make sure your SQL Server is configured correctly. "Installing Microsoft SQL Server" on page 18.
- Make sure you are familiar with the requirements on the pre-installation checklist. "Pre-installation Checklist" on page 8
- Make sure you are familiar with the Control Center architecture. "Architecture" on page 3
- Make sure you are familiar with the utilities for the "Advanced Installation" in the folder "Install\Control Center" on the DVD. Read the accompanied instructions in PDF.

Install the Control Center database to the remote SQL Server

Do the following:

 Open a desktop on the machine where SQL Server is installed. or

Open a desktop on some other machine, which will have access to the SQL Server (Windows user configured as the SQL Administrator or SQL user with admin permissions on the SQL Server (usually "sa") are required to install the database NiceAN).

- 2. Close all open applications before starting the installer.
- $3. \ From NiceLabel DVD copy the folder \verb|Install|Control Center|Advanced Installation to the local disk.$
- 4. On the local disk, go to the folder Advanced Installation\Control Center Setup Settings.
- 5. Run epmsetupsettings.exe.

The application EPM Custom Setup Settings Generator will run.

NOTE: This application will prepare the configuration file for the main Control Center installation. The settings are saved in the file UserData.ini.

- 6. Go to **Common** section and select the folder where the utility will save the configuration. The default folder is the current folder "Control Center Setup Settings".
- 7. Skip the User names and password section, you don't have to configure anything here.
- 8. Go to Database setup section.
- 9. Enable the option I would like to install database separately from EPM.



10. Enter the name of the SQL Server, where you will manually install the database NiceAN, in the syntax SQLSERVER\INSTANCE.

The SQLSERVER must be name of the target server. If you want to use IP address, make sure the address can be resolved to a computer name. If unsure, add the necessary mapping to the system HOSTS file (located in %systemroot%\System32\drivers\etc).

11. Choose the authentication mode that the Control Center will use to access data in the database NiceAN.

You can select:

- 1. Windows authentication using default name of EPM USER.
- 2. Windows authentication using some other domain user.
- 3. SQL authentication.

In this example, the SQL authentication and user ${\tt EPM}~{\tt USER}$ are used.

EPM Custom Setup Settings Ge	enerator 📃 🗆 💌 🗙
EPM Custom Setup Settings Ge Common User names and passwords Database setup	Sometimes it is not possible to install NiceLabel Enterprise Print Manager (EPM) database together with the EPM installation. EPM Database Management is a tool that enables user to install database for EPM independently from the main EPM installation. Here you can define settings that will be used by EPM Database Management tool; path to the database and what kind of authentication should be used. I would like to install database separately from EPM Path to the database using the syntax SQLSERVER\INSTANCE: CleanSRV2012R2M\SQLEXPRESS C Use Windows authentication (EPM_USER) C Use Windows authentication (Domain user) This domain user should be created in advance (EPM installation will not create it). User name using the syntax DOMAIN\USER: Password: C Use SQL Server authentication
<u>L</u> oad <u>S</u> ave	Ose SQL Server authentication If SQL Server user does not exist yet it will be created by EPM Database Management tool. User name: EPM_USER Password:

e

NOTE: The information entered here is used by the main Control Center installer to know how to connect to the database (which user to impersonate). The instructions for creating these users follow further in this chapter.

12. Click Save button so the provided data is saved to the file UserData.ini.

The .INI file contains information about where the remote SQL Server is and how to access it. This information is needed by the main Control Center installation.



WARNING: Make sure to save this file. You will need it when upgrading Control Center to a newer version.

- 13. On the local disk, go to the folder Advanced Installation\Control Center Database Installer.
- 14. Extract the contents of the ZIP file ${\tt EPMDBInst.zip}.$ Make sure you keep the folder structure.

15. Run EPMDBInstall.exe.

The application EPM Database Management will run.

- 16. Enter the name of the SQL server. Also provide the instance name, if necessary.
- 17. Configure the authentication type.

You can use:

- Windows authentication.
 - Leave the username/password fields empty, if the Windows user you are currently logged in with has the administrative privileges defined on the SQL Server (so it will create a database).
 - Enter the username/password, if you want to use a different Windows login. Make sure to use DOMAIN\USER syntax.
- SQL authentication. In this case provide a user defined in the SQL Server that has privileges to create a new database, usually the user sa.
- 18. For the database name enter NiceAN. This is the database name the Control Center expects.

EPM Da	tabase Management	
Availab	le Servers	
	Enter the SQL Server instance name using the syntax SQLSERVER\INSTANCE.	
	CleanSRV2012R2M\SQLEXPRESS	
Authen	tication Type	
-	Set authentication type and user information that will be used for database operations. If you want to use Windows authentication and user name you are logged in with, just leave the user name and password empty.	
	C Windows authentication Username: sa	
	SQL authentication Password:	
	Database Name: NiceAN	
Databa	ise Scripts Folder	
Ø	Specify the root folder for Database scripts. The folder should contain Modules.txt file.	
all\Advanced Installation\Control Center Database Installer\DBScripts		
	Close Close	

19. The database scripts are included in the .ZIP file. Make sure you have extracted all files in the file EPMDBInst.zip. If you have the sub folder DBScripts in some other location, browse for it.

20. Click Connect.

21. The connection to the SQL Server is made. If you see a connection error message, resolve the problem first.

The usual problems are that TCP/IP protocol is not enabled for your server/instance, or the firewall blocks incoming connections. For more information, see "Pre-installation Checklist" on page 8.

If connection to the SQL Server can be made, the window will open with the current status.

NOTE: Make sure the user you enter for "EPM_USER" it the same user name as you have configured in the EPM Custom Setup Settings Generator>Database setup in the step 11.

Do not click any button just yet, go to the following step.

EPM Database Management	x		
Database Status Connected to SQL Server: CleanSRV2012R2M\SQLEXPRESS Database status: No database			
Users User accounts need to be defined during the database installation so that EPM can connect to the database.			
EPM_DBADMIN: EPM_USER: Username: EPM_DBADMIN Warning: Windows users entered for EPM_DBADMIN and EPM_USER must exist on CleanSRV2012R2M prior managing database!			
Remove			
	ose		

- 22. You have to provide the information about the two user accounts that will be later used by the Control Center to access the database NiceAN.
 - **NOTE:** The users must already be defined on the machine, before you continue with the database installation. The users must also already be added to the Logins in the Microsoft SQL Server.



OPTION 1: Using Windows authentication. In this case, you must define two Windows users that the EPM Database Management will use during the database installation. Enter the names in DOMAIN/USER syntax. You can use a default naming convention (EPM DBADMIN and EPM USER), or choose other user names.

OPTION 2: Using SQL authentication. In this case, you must define two SQL users that the EPM Database Management will use during the database installation.

NOTE: The database NiceAN is installed using the "EPM_DBADMIN" user and is configured to be used by "EPM_ USER". Make sure to assign the appropriate privileges for the user "EPM_USER". For more information, see "Architecture" on page 3

23. Click Install.



NOTE: When installing the database the utility will not provide any feedback and might seem as unresponsive. Be patient and wait until the processing has finished.

24. If no problems are encountered, you will see the message "Database install operation completed successfully."

In the Database Status section the current version of the NiceAN database is displayed.



25. Close the application. The configuration will be saved to file EPMDBInstall.ini.

WARNING: Make sure to save this file. You will need it when upgrading Control Center to a newer version.

- 26. Open desktop on the Windows machine, where you want to install Control Center Web application.
- 27. Copy the installer file for Control Center to a local disk. This is a file NiceLabel-ControlCenter6.exe.
- 28. Copy the file UserData.ini next to it in the same folder. This .INI file has been prepared by EPM Custom Settings Generator.

- 29. Run the Control Center installer and follow on-screen instructions.
- Basically, just follow the step 5-15 from the chapter "Installing to Single Server" on page 28. All database-related questions will be supressed.
- 31. Activate the Control Center. For more information, see "Licensing" on page 72.

Enabling HTTPS support

If protecting the communication between Control Center and all clients (NiceLabel clients or users browsing the Control Center web page) is important, you can enable the Hypertext Transfer Protocol Secure (HTTPS). This will prevent wiretapping and man-in-themiddle attacks on the Control Center. All exchanged data will remain private also because of the bidirectional encryption of communication between a client and server. Ultimately, the communication between the user and server cannot be read and forged by any third party.

X.509 certificates are used to provide the authenticity. When Control Center is installed, you will have to run Internet Information Services (IIS) Manager on the server and enable HTTPS support for both **Default Web Site** (under which the Control Center runs as the application) and for **EPMWebDAV** (which exposes the access to the Document Storage).

For more information about enabling HTTPS talk to the personnel responsible for informational infrastructure in your company.

NOTE: On Windows XP and Windows 2003 operating systems WebClient does not support HTTPS operations. On such systems the users will not be able to access Document Storage that is configured to be accessible via HTTPS.

When you enable the HTTPS support, you have to access the Control Center with https://prefix:

https://server/epm

Make sure that all products that connect to Control Center use secure web services. Do not mix HTTP and HTTPS protocols.

Identifying Document Storage in a Multi-tier Landscape

Increasingly more labeling operations have come to rely on a multi-tier configuration model as the most efficient way to stage and deploy the labeling-related files. A multi-tier approach removes all of the risks identified in case of a single system landscape, where a single server is used for development, testing, and production.

In such landscape model the new labeling solutions are created and test-driven in Development and Quality Assurance/Testing environments before they are adopted in the Production environment. Usually a three tier landscape is adopted, or at least two tier landscape, where the roles of Development and Quality Assurance are merged on the same environment. Each environment requires a dedicated installation of the Control Center product.

When working in a multi-tiered landscape, you can configure custom names for each landscape. This makes it easier to identify to which landscape the current Document Storage belongs to.

🍕 NiceLabel Control Ce	iter	Quality Assurance Landscape Help
希 Overview 🛛 📇 Print Management	Comment Storage O History TE Basarte & Automation	09 ininistration
Document Storage Save and access your label templates an	Configurable lanscape name in the multitier environment	

Do the following:

- 1. Open the application SQL Server Management Studio.
- 2. Connect to the SQL Server hosting the database of a Control Center for which you want to define a custom name.
- 3. Expand the tree-view to reach Databases>NiceAN>Tables>nan.Setting.
- 4. Right-click the table nan.Setting and select Edit top 200 Rows.
- 5. Add a new record.
- 6. For the field Setting enter the value "InstanceName".
- 7. For the field Value enter the custom name for the current landscape.

The entered custom name in the screen shot above is "Quality Assurance Landscape".

Configuring RemoteApp Support

This chapter provides the steps necessary to enable Application Server functionality in NiceLabel Control Center.

Prerequisites:

- You must have NiceLabel Control Center Enterprise license.
- RemoteApp must already be installed and licensed on the Windows server. Communicate the requirements with your IT manager.

Some useful resources on the Microsoft web page:

- RemoteApp manager: https://technet.microsoft.com/en-us/library/cc755261.aspx
- Overview of RemoteApp: https://technet.microsoft.com/en-us/library/cc755055.aspx
- TS RemoteApp Step-by-Step Guide: https://technet.microsoft.com/en-us/library/cc730673(v=ws.10).aspx
- Deploying TS RemoteApp: https://technet.microsoft.com/en-us/library/ff519119(v=ws.10).aspx
- Configuring RemoteApp Programs: https://technet.microsoft.com/en-us/library/cc733174.aspx

Do the following:

Publish NiceLabel programs

- 1. Go to the machine with enabled RemoteApp role.
- 2. Enable Desktop Experience feature. "Installing Support for WebDAV" on page 67.

The client programs (NiceLabel Pro, NiceForm) must be able to connect to the Document Storage (WebDAV) on the Control Center. The Windows Server computer that runs the client programs requires this features so it can connect to the WebDAV repository.

- 3. Install the NiceLabel client (NiceLabel PowerForms Desktop). For more information, "Installing the Client" on page 63.
- 4. Setup the default directories in NiceLabel Configuration to point to the Document Storage.

Open the Registry Editor and navigate to the following key:

HKEY LOCAL MACHINE\SOFTWARE\Wow6432Node\EuroPlus\NiceLabel\6.0\DESKTOP

Make sure to update the following items: FORMS DIRECTORY, GRAPHICS DIRECTORY, LABELS DIRECTORY.

You must provide the path to the folders inside the Document Storage, such as:

http://server:8080/path

where the server is Windows name of the machine running Control Center, 8080 is the port where EPMWebDAV has been set up in IIS and path is the folder in the Document Storage.

A B EuroPlus	A Name	Type	Data
- De EpSales	(Defectle)	1995	500
MemMaster		REG_SZ	9/14 Deserves to Dis9/114 states to Detectors
🖌 - 🛺 NiceLabel	DATABASE DIRECTORY	REG_SZ	PERCONAL
a - 🕌 6.0	DefaultDocLocation	REG_SZ	PERSONAL
DESKTOP	EXPORT DIRECTORY	REG_SZ	%MyDocumentsDir%MyLabelsLabels
Import	INAL DIRECTORY	REG_SZ	%MyDocumentsDir%\My Labels\FINAL
LANGUAGE	ab FORMS DIRECTORY	REG SZ	http://trainer:8080/Forms
	at GLOBALS DIRECTORY	REG_SZ	C:\ProgramData\EuroPlus\Variables
PLUGINS	ab GRAPHICS DIRECTORY	REG SZ	http://trainer:8080/Graphics
Special	MIMPORT DIRECTORY	REG_SZ	%MyDocumentsDir%\My Labels\Labels
NiceLabel Automation	ab IsAnalyticsEnabled	REG_SZ	1
NiceLabel Express	LABELS DIRECTORY	REG_SZ	http://trainer:8080/Labels
NiceLabel Solution Archite	c MLOCAL SYSTEM DIRECTORY	REG_SZ	C:\ProgramData\EuroPlus\NiceLabel 6\System
NiceLabel Standard	ab LogDatabase	REG_SZ	C:\ProgramData\EuroPlus\NiceLabel 6\System
PrinterInstallWizard	MEMCARDS DIRECTORY	REG_SZ	%MyDocumentsDir%\My Labels\Labels
D 📕 GNU	NLPC STORAGE DIRECTORY	REG_SZ	C:\ProgramData\EuroPlus\NiceLabel 6\System\NL
Google	A STOCK DIRECTORY	REG_SZ	%MyDocumentsDir%\My Labels\Stocks
⊳ 🦺 HaaliMkx	SYSTEM DIRECTORY	REG_SZ	C:\ProgramData\EuroPlus\NiceLabel 6\System
IDM Computer Solutions	WATCH LOG DIRECTORY	REG_SZ	C:\ProgramData\EuroPlus\NiceLabel 6\System\Ni
IM Providers			
⊳-퉲 Intel			
JavaSoft			
JreMetrics		V Char	and the state of t
Khronos			Ige the default directories for the
KLCodecPack			undenmediteris.
Kodak			
Þ 📕 LAV			
March Hare Software Ltd	*		

Other directories can also be changed to point to the folder withing Document Storage.

- 5. Activate NiceLabel client with the from the Control Center. For more information, "Activating the Client" on page 74.
- 6. Start Server Manager.
- 7. In the left pane, click **Remote Desktop Services**.
- 8. Click **Collections**, then on the right hand side, click **TASKS** drop down and select **Create Session Collection**. Follow the wizard.

2		Server Manager	_ 0 🗾
E	🔊 🔹 🥶 Remote	e Desktop Services • Collections • ⓒ	Manage Tools View Help
iii i iii	Overview Servers Collections	DELECTIONS st refreshed on 09/07/2015 11:12:42 All collections 0 total Image: Collection of the state	TASKS Create Virtual Desktop Collection Create Session Collection Edit Deployment Properties
* 8 14 14	and the second sec	Type Size Resource Type Status	

9. Back in the Serverr Manager, click Publish RemoteApp Programs to open Publish RemoteApp Programs window.

)			Server Mana	ger
\mathbf{E}		ions • Remote A	nns	
			PP3	
_		PROPERTIES		
	Overview	Properties of the coll	ection	TASKS 🔻
	Servers	Collection Type	Session	
ia	Collections	Resources	Remote Desktop	
	Remote Apps	User Group	ZEBRA\Domain Users	1
1				
3				
0				
⊗ ⊳		REMOTEADD DROGRAM		
		Published RemoteApp progr	ams 0 total	TASKS 💌
		Remote Deckton i	s published for huvers of the s	ollection
		Remote Desktop is	s published for pasers of the co	Jucction.
		Put	olish RemoteApp programs	
		Publishing RemoteApp	programs will unpublish the Rer	note Desktop.
			_	
-	And the second of the	Vinnes V		A CONTRACTOR OF THE OWNER

10. Click Add.. and browse to \\<remoteapp>\c\$\Program Files (x86) \EuroPlus\NiceLabel 6\bin.

 $Where you have to replace the <\!\!remote app\!>\! with the Fully Qualified Domain Name (FQDN) for your Remote App server.$

You must add four RemoteApp programs from the NiceLabel 6\bin folder: nlabel6.exe, NicePrint.exe, nform6.exe and nform6rt.exe.

a	Publish RemoteApp Pro	ograms 📃 🗖	x
Select RemoteApp RemoteApp Programs Confirmation	Select the RemoteApp programs to publis RemoteApp program to the list, click Add. The RemoteApp programs are populated	h to the TestSessionCollection collection. To add a from REMOTEAPP.GALAXY.EUROPLUS.LOCAL.	
Completion	BemoteApp Program Memory Diagnostic Windows Memory Diagnostic Windows PowerShell Windows PowerShell (x86) Windows PowerShell ISE Windows PowerShell ISE Windows PowerShell ISE WordPad	Location %SYSTEMDRIVE%\Windows\system32\WidSche %SYSTEMDRIVE%\Windows\System32\Window %SYSTEMDRIVE%\Windows\SysWOW64\Window %SYSTEMDRIVE%\Windows\syswow64\Window %SYSTEMDRIVE%\Windows\syswow64\Window %SYSTEMDRIVE%\Program Files\Windows NT	^
	Snlabel6 SNicePrint Conform6 Snform6 Snform6	c:\Program Files (x86)\EuroPlus\NiceLabel 6\bin c:\Program Files (x86)\EuroPlus\NiceLabel 6\bin c:\Program Files (x86)\EuroPlus\NiceLabel 6\bin c:\Program Files (x86)\EuroPlus\NiceLabel 6\bin III	
	Add Verify that the program is installed on all t	the RD Session Host servers in the collection.	1

Click Next.

11. You will see the four selected program listed in the window. Click Publish.

a	Publish RemoteApp	Programs – 🗖 🗙
Confirmation RemoteApp Programs Confirmation	Confirm that the list of RemoteApp pro 4 RemoteApp programs:	ograms to be published is correct, and then click Publish.
Publishing	RemoteApp Program	Location
Completion	🗊 nlabel6	c:\Program Files (x86)\EuroPlus\NiceLabel 6\bin
	NicePrint	c:\Program Files (x86)\EuroPlus\NiceLabel 6\bin
	form6	c:\Program Files (x86)\EuroPlus\NiceLabel 6\bin
		c. yrogram nies (xoo) curorius (vicecadei o con
	< E	Previous Next > Publish Cancel

12. All four programs have been published. Click **Close**.

h	Publish RemoteApp P	rograms	_ 🗆 X
Completion RemoteApp Programs Confirmation Publishing	The selected RemoteApp programs wer collection. 4 RemoteApp progarms were published	e published successfully for the Test for the TestSessionCollection collec	SessionCollection
Completion	Inlabelő NicePrint nformő nformőrt	Published Published Published Published	
	< <u>P</u> r	evious <u>N</u> ext > CI	ose Cancel

13. All four RemoteApp programs should now be visible in the Server Manager.

Filter	Q	(ii) * (ii) *	\odot
RemoteApp Program Name	Alias	Visible in RD Web Access	
Calculator	Calculator	Yes	
nform6	nform6	Yes	
nform6rt	nform6rt	Yes	
NicePrint	NicePrint	Yes	
nlabelő	nlabel6	Yes	
Paint	Paint	Yes	
WordPad	WordPad	Yes	

14. Right click each published program and select **Edit properties**.

Select the option Allow any command-line parameters for each program.

à	Properties 📃 🗖 🗙
Anform6 (TestSession Show All General + Parameters - User Assignment + File Type Associati +	Properties
	OK Cancel Apply

15. Click OK.

Add the certificate to Control Center Windows machine

Each time the user requests a file from the Document Storage, the Control Center will create a . RDP file with instructions for the user's Remote Desktop Client. The . RDP file must be signed with the code-signing certificate, or the users will see warning messages about unknown publisher when executing the . RDP files.



To generate the certificate, do the following:

- 1. Start Server Manager.
- 2. In the left pane, click **Remote Desktop Services**.
- 3. Click Collections, then on the right hand side, click TASKS drop down and select Edit Deployment Properties.

4		Server Manager	_ 0 🔀
\mathbf{E}	∋ • • Remot	e Desktop Services \cdot Collections \cdot \cdot \odot	Manage Tools View Help
	Overview Servers Collections Remote Apps	SLLECTIONS streffeshed on 09/07/2015 12:16:25 All collections 1 total Type Size Resource Type Status Apps Session 1 RemoteApp Programs	TASKS Create Virtual Desktop Collection Create Session Collection Edit Deployment Properties

4. Click Create new certificate and follow the wizard. Remember the name of the certificate you have created/imported.

b	Deployment Propertie	es		
Configure the de	plovment			1
Show All				a I
RD Gateway +	Manage certificates			1
RD Licensing + RD Web Access +	A Remote Desktop Services deployme single sign-on, and establishing secure	nt requires certifica e connections.	ates for server a	uthentication,
Certificates –	Current deployment certificate level is	Not Configurad		1
	What is a certificate level?	Not configured		4
	Role Service	Level	Status	State
	RD Connection Broker - Enable Sing	Not Configured		
	RD Connection Broker - Publishing	Not Configured		4
	RD Web Access	Not Configured		
	RD Gateway	Unknown		
	<	Ш		
	Subject name: Not Applicable View Details			4
	This certificate is required for server an deployment.	uthentication to the	e Remote Deskt	op Services
	You can update this certificate by creatificate.	iting a new certifica	te or by selecti	ng an existing
	Create new certificate	S	Select existing o	ertificate *
	Vau can update this certificate by creatificate. Create new certificate	ting a new certifica	te or by selecti Select existing o	ng an e ertifica

To allow Control Center to use the certificate, do the following.

- 1. Press Windows key + R, enter mmc and press Enter.
- 2. In the console, click File and then click Add/Remove Snap-in.
- 3. In Add or Remove Snap-ins, under Available snap-ins, double-click Certificates.
- 4. In Certificates snap-in, select Computer account.
- 5. Expand Certificates (Local Computer)>Personal>Certificates.

Select the certificate you have created/imported previously.

6. Right-click the certificate, select **All Tasks** and then **Manage Private Keys** to add permissions to the Control Center website so it is able to use the certificate.

a		(Console1 - [Console	Root\Certificat	es (Local Computer)	\Personal\Certifica	tes]	
🐱 File Action View Favorites Window He	lp							
Console Root	Issued To	Issued By localhost		Expiration Date 1.7.2018	Intended Purposes Server Authenticati	Friendly Name IIS Express Develop	Status	Certificate Te
Certificates Trusted Root Certification Authorities	En RemoteApp. Open	CA		10.2.2017	Server Authenticati	<none></none>		Remote Deskt
 Enterprise Trust Intermediate Certification Authorities 	All Ta	iks 🔸	Open					
 Trusted Publishers Untrusted Certificates 	Cut Copy		Request Certificate v Renew Certificate w	with New Key ith New Key				
Third-Party Koot Certification Authorities Trusted People Client Authoritication Issuers	Prope	rties	Manage Private Key Advanced Operation	5 16	,			
Remote Desktop Certificate Enrollment Requests	Help		Export					
 Smart Card Trusted Roots Trusted Devices 								
 Web Hosting Windows Live ID Token Issuer 								

7. Click Add... and add the Application Pool user of the Control Center website. Enter the user name IIS AppPool\EPMAppPool.

Click Locations and select the server name (top selection in the list).

Click C)K .
---------	-------------

Select Users or Groups	?	×
Select this object type:		
Users, Groups, or Built-in security principals	Object Typ	bes
<u>F</u> rom this location:		
MATJAZR	Location	s
Enter the object names to select (<u>examples</u>): IIS AppPool\EPMAppPool	Check Na	imes
Advanced OK	Cano	cel :

8. The user requires only Read permission in order to sign the .RDP files.

Permissions for RemoteApple	op.GALAXY.	europlu 💌
Security		
Group or user names:		
SYSTEM		
Administrators (matjazr\Adminis	rators)	
	Add	Remove
Permissions for EPMAppPool	Allow	Deny
Full control		
Read	~	
Special permissions		
For special permissions or advanced click Advanced.	settings,	Ad <u>v</u> anced
Learn about access control and per	nissions	
ОК	Cancel	Apply

9. Last step is connecting Control Center with this certificate.

In mmc console, double click the certificate and go to Details tab. Scroll down to find the Thumbprint field.

Copy certificate thumbprint to clipboard and read the next section.

		Cer	tificate		×
General	Details	Certification Path			
<u>S</u> how:	<all></all>		*		
Field	bject Key athority Ke L Distribu athority In bject Alte umbprint umbprint	Identifier ey Identifier tion Points formation Access rnative Name algorithm	Value f6 e8 4c 58 74 cc KeyID=20 11 9b [1]CRL Distribution [1]Authority Info DNS Name=Rem sha 1 74 71 94 fd cb 89	d c0 6a 19 d3 bc aa 86 d4 1 on Point: Distr o Access: Acc oteApp.GALA 9 bc e8 56 df	~
Learn m	nore abour	Ec t <u>certificate details</u>	lit Properties	Copy to File	
				Oł	(

Configure Control Center to work with the RemoteApp server

1. Open your Control Center and go to the Administration tab:

http://server/EPM/LicensingServer/Licenses.aspx

2. Go to Application Server section.

Administration	Application Server
> Alerts	Application server settings
 Printer Groups PowerForms Web Clients 	☑ Enable application server
> Global Variables	Application server url: remoteapp.galaxy.europlus.local
> Versioning and Workflow	
 Application Server Synchronization 	Save changes

- > Licenses
- 3. Enable application server and enter path to the RemoteApp server.
- 4. Paste the certificate thumbprint from the clipboard.

See the previous section where to obtain the thumbprint information.

5. Click Save changes.

Testing if .RDP file is signed by the certificate

- 1. Go to the Document Storage.
- 2. Select a label and click the Application Server button in the toolbar.
- 3. Select Download Edit Label Shortcut. The .RDP file will download.



- 4. Open the .RDP file in text editor.
- 5. When the .RDP file is correctly signed it will contain additional entries "signscope" and "signature".

Speeding the Application by Enabling Auto Start in IIS

NOTE: If you install fresh installation of Control Center to Web server machine with IIS 8.0 and above, the installer will enable the Auto Start, so you do not have to do anything. For existing installations and fresh installations to older IIS servers, you can enable Auto Start yourself.

To maximize resources IIS does not keep all sites on an instance running at all times. In fact, the website on IIS is not loaded until its needed and, by default, will eventually be unloaded after a period of inactivity. It's this lazy-loading of websites that causes the first request to an ASP.NET site to take so much longer than others. Since the site hasn't been accessed yet, it must first be loaded by IIS before ASP.NET can properly respond to the request.

There is a solution. Auto-Start, introduced with IIS 7.5, allows an ASP.NET application deployed to IIS to be available immediately after deployment.

Do the following:

- 1. Open Internet Information Services (IIS) Manager.
- 2. In the **Connections** pane, select the **Application Pools** node, revealing the Application Pools pane in the main view.
- 3. Select the application pool EPMAppPool.

6	Internet Information Services (IIS) Manager	_ D X
CLEANSRV2012	R2 Application Pools	🖸 🛛 🏠 🔞 🗸
<u>F</u> ile <u>V</u> iew <u>H</u> elp		
Connections	Application Pools This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, contain one or more applications, and provide isolation among different applications. Filter:	Actions Add Application Pool Set Application Pool Defaults Application Pool Tasks Start Stop Recycle Edit Application Pool Basic Settings Recycling Advanced Settings Rename Rename Remove View Applications Help
< III >	Features View Content View	
Ready		¶.:

- 4. Click Advanced Settings...
- 5. Locate the **Start Mode** option under the General group and set it to **AlwaysRunning**.

	Advance	ed Settings 🛛 ? 💙	¢
⊿	(General)	A	、
	.NET CLR Version	v4.0	
	Enable 32-Bit Applications	False	
	Managed Pipeline Mode	Integrated	
	Name	EPMAppPool	1
	Queue Length	1000	
	Start Mode	AlwaysRunning 🗸 🗸	
⊿	CPU		
	Limit (percent)	0	
	Limit Action	NoAction	
	Limit Interval (minutes)	5	
	Processor Affinity Enabled	False	
	Processor Affinity Mask	4294967295	
	Processor Affinity Mask (64-bit of	4294967295	
⊿	Process Model		
⊳	Generate Process Model Event L		
	Identity	ApplicationPoolIdentity	
	Idle Time-out (minutes)	20	
	Idle Time-out Action	Terminate 🗸	1
Sta [sta Alv	art Mode artMode] Configures application ways Running Mode	pool to run in On Demand Mode or	
		OK Cancel	

- 6. Click OK.
- 7. Repeat steps 4-6, this time for the application pool **EPMWebDAVAppPool**.
- 8. In the **Connections** pane, select the **Sites** node, revealing Sites pane in the main view.
- 9. Expand the **Sites** node.
- 10. Expand the **Default Web Site** and select the application **EPM**.

👣 Internet Information Services (IIS) Manager	_ D X
CLEANSRV2012R2 > Sites > Default Web Site >	🖸 🛛 🟠 🔞 🕶
<u>F</u> ile <u>V</u> iew <u>H</u> elp	
Connections	Actions
🔍 - 📃 🖄 😸 🔮 🔮 Default web site Home	🔉 Explore
Start Page Filter:	Edit Permissions
Application Pools ASP.NET	Edit Site
4-6 Sites	Bindings Basic Settings
	View Applications
Authorizat Compilation Pages	View Virtual Directories
	Manage Website
.NET .NET Profile .NET Roles	💈 Restart
Globalization	Start
	Browse Website
.NET Trust .NET Users Application	Browse *:80 (http)
Jectings	Advanced Settings
Select Default Web Site then click	Configure
Key Pages and	Limits
	🕖 Help
< III > Features View 🔁 Content View	
Ready	• <u>1</u> .:

- 11. Click Advanced Settings...
- 12. Locate the **Preload Enabled** option under the General tab and set it to **True**.

	Advance	ed Settings ? X
⊿	(General)	
	Application Pool	DefaultAppPool
	Bindings	http:*:80:
	ID	1
	Name	Default Web Site
	Physical Path	%SystemDrive%\inetpub\wwwroot
	Physical Path Credentials	
	Physical Path Credentials Logon	ClearText
	Preload Enabled	True 🗸
⊿	Behavior	
	Enabled Protocols	http
⊳	Limits	
Pro [pr	eload Enabled reloadEnabled] If true, preload fea	ture is enabled for the application
		OK Cancel

- 13. Click **OK**.
- 14. Repeat steps 10-12 for the site **EPMWebDAV**.

Install Command-line Parameters

NiceLabel installer can be controlled with the command-line parameters.

slash, there are two exceptions /s (for silent install) and /l (for logging).			
Parameter	Description		
SKIPREQUIREMENTS	Control Center installation needs to check if all required features are installed in IIS. If some features are missing they are displayed on the screen before the installation begins. You can skip checking IIS compliance with this command-line parameter.		

NOTE: Make sure to use the upper-case syntax exactly as shown. Most of the parameters are used without the leading

The following command-line switches can be used, if you want to perform a silent installation of Control Center. This is the installation mode, when user does not have to provide any information for the installation and no dialog boxes are shown to the user. But you have to provide all required information through these command-line switches.

NOTE: The switches below work only when you use the silent install switch /S.

Parameter	Description
/s	Silent install. No dialog boxes are displayed. The installer executes in the background.
/l="folder_and_file_ name"	Logging the installation process in the provided file name. Make sure the user account performing the installation has the access permissions to the folder.
SELECTEDSERVER	This switch defines the SQL Server name and optional instance.
	SELECTEDSERVER=ServerName\InstanceName
WEBDAVSITENAME/ WEBDAVSITEPORT	These switches define the name and port of the WebDAV site (that provides access to the files inside the Document Storage through WebDAV protocol).
	WEBDAVSITENAME=siteName WEBDAVSITEPORT=portNumber
	Defaults: WEBDAVSITENAME=EPMWebDAV WEBDAVSITEPORT=8080
ARHMONTHLY/	These switches define the time interval in which the database "housekeeping" takes place.
ARHWEEKLY/ ARHDAILY	ARHMONTHLY=TRUE/FALSE
	ARHWEEKLY=TRUE/FALSE
	Defaults arhmonthly=true arhweekly=False arhoatly=False
SOLUSER/	These switches define the SQL user name and password to install the NiceAN database to the
SQLPASSWORD	SQL Server.
	The database user (SQLUSER) must have database creation rights. This option is to be used when you are installing Control Center under Windows user account that does not have database creation rights in the SQL Server.
	SQLUSER=sa SQLPASSWORD=saPassword
NETDOMAIN/	These switches define the domain name, user name and password for the Windows user account.
NETUSERNAME/ NETPASSWORD	User (NETUSERNAME) must have Windows user creation rights (usually, this user must be member of the local Administrators group on the Windows server where remote SQL Server is installed). This option is to be used when you are installing Control Center's database to a remote SQL Server and the user running the Control Center installer does not have permissions to create user on a remote machine.
	NETDOMAIN=DomainName NETUSERNAME=UserName NETPASSWORD=UserPassword
	Example:
	(user installing Control Center has Windows user creation rights on remote database server)
	NiceLabel-ControlCenter6.exe /s SELECTEDSERVER=ServerName\InstanceName
	SQLUSER=sa SQLPASSWORD=saPassword
	Example:
	(user installing Control Center does not have Windows user creation rights on remote database server so you have to specify the user with such permissions)
	NiceLabel-ControlCenter6.exe /s SELECTEDSERVER=ServerName\InstanceName SQLUSER=sa SQLPASSWORD=saPassword NETDOMAIN=DomainName NETUSERNAME=UserName NETPASSWORD=UserPassword

Upgrading Control Center to the New Version

Single-Server Architecture

If your current Control Center is installed in the single server environment, simply start the installer of the new version of Control Center and follow on-screen prompts. "Installing to Single Server" on page 28.

The upgrade will first remove the existing version and replace it with the new version, keeping all the data. The database NiceAN will be upgraded automatically. No question s will be asked.

Multiple-Server Architecture with Remote SQL Server

The prerequisites required for the installation:

- You have to provide the SQL Server name and optional instance, where the current database NiceAN is installed
- If the Windows account on the Control Center machine does not have permissions to add/modify Windows users on the SQL Server Windows machine, you will need to have the user account that is member of the Administrators group on the remote machine.

If your current Control Center is installed in the multi-server environment, but you are not using SQL Server in a cluster and you have administrative access to both remote SQL Server and the remote Windows machine, simply start the installer of the new version of Control Center and follow on-screen prompts.

The upgrade will first remove the existing version and replace it with the new version, keeping all the data. The database NiceAN will be upgraded automatically.

Do the following:

- 1. Run the installer of a new version.
- 2. Let it remove the existing version of the Control Center.
- 3. Select the SQL Server and instance, where the Control Center had installed the database NiceAN.

NiceLabel Control C	Center - InstallAware Wizard 📃 🗖 🗙
NiceLabel Control Center	Setup
Microsoft SQL Server Instances	Instance Name:
	CLEANSRV2012R2M\SQLEXPRESS v
Please select a Microsoft SQL Server Instance to connect to.	Enter the SQL Server Instance Name using the following syntax: SQLSERVER\INSTANCE. If the SQL server was installed with default instance, please enter only the server name without instance.
NiceLabel Control Center can connect to SQL Server 2005, SQL Server 2005 Express, SQL Server 2008, SQL Server 2008 Express or SQL Server 2012	
Click Next to continue.	
	< <u>₿</u> ack <u>N</u> ext> Cancel

4. If the Widows account does not have the privileges to install local Windows users EPM_DBADMIN and EPM_USER to the remote Windows machine with SQL Server, you will be prompted for the user name that has such privileges. You have to provide the domain user account that has Administrative privileges to the remote Windows machine.

Usually, this will be either a domain Administrator, or a domain user that is member of the Administrators user group on the remote Windows system. Click **Next**.

NOTE: You must provide a domain user name. Local Administrator user account from the remote Windows machine cannot be used.

NiceLabel Control C	Center - InstallAware Wizard 📃 🗖 🗙
Furo Plus d.o.o. NiceLabel Control Center	Setup
Remote Server Authentication	Please enter the user name and password of an administrative account with enough permissions to create new user.
NiceLabel Control Center needs to create a local user account on the remote computer running the SQL Server database. Currently logged on user does not have enough privileges to perform this task.	Domain: DOMAIN Username: Administrator Password: *********************
	< Back Next > Cancel

5. Click Install.

Multiple-Server Architecture with Remote SQL Sever in a Fail-over Cluster

The prerequisites required for the installation:

- You have to provide files UserData.ini and EPMDBInstall.ini from the existing installation of the Control Center. These two files have been provided by the utilities for the "Advanced Installation". If you did not save the files, you will have to configure the utilities again. "Installing to Multiple Servers" on page 32.
- Even if having the above mentioned configuration files, you will still have to enter the passwords for all user names used during the installation. The EPMDBInstall will remember user names, but not the passwords.

In this case, the database NiceAN has to be upgraded manually using the utility EPMDBInstall. Then the Control Center can be installed. During the installation the database install step will be skipped.

Do the following:

1. Open a desktop on the machine where SQL Server is installed.

Open a desktop on some other machine, which will have access to the SQL Server (Windows user configured as the SQL Administrator or SQL user with admin permissions on the SQL Server (usually "sa") are required to install the database NiceAN).

- 2. Close all open applications before starting the installer.
- 3. From NiceLabel DVD copy the folder \Install\Control Center\Advanced Installation to the local disk.
- 4. On the local disk, go to the folder Advanced Installation\Control Center Database Installer.
- 5. Extract the contents of the ZIP file EPMDBInst.zip. Make sure you keep the folder structure.
- 6. Copy the file EPMDBInstall.ini from the initial installation to the same folder. The settings saved in the file will re-populate the options in the utility.
- 7. Run EPMDBInstall.exe.

The application EPM Database Management will run.

8. Click **Connect** to connect to the database NiceAN.

9. The user names that the Control Center will use to interact with the SQL Server have been remembered. Enter the passwords.

EPM Database Management
Database Status
Connected to SQL Server: CleanSRV2012R2M\SQLEXPRESS Database status: Installed (Database version: 98)
Users
User accounts need to be defined during the database installation so that EPM can connect to the database.
C Windows authentication
 SQL authentication
EPM_DBADMIN: EPM_USER:
Username: EPM_DBADMIN EPM_USER
Password:
Available Database ViceAN
🚱 Upgrade 🔒 Remo
Close

If you have troubles upgrading the database and see error messages such as Database install operation failed. or Could not drop login '<username>' as the user is currently logged in, the installer cannot upgrade the database as it is currently in use.

Do the following:

- 1. On the Windows machine with Control Center installed, open Internet Information Services (IIS) Manager.
- 2. Select **Application Pools** pane, right-click the applications pools **EPMAppPool** and **EPMWebDAVAppPool** and stop them.
- 3. Expand Sites.
- 4. Select Default Web Site. Click Stop in the right-hand pane.
- 5. Select EPMWebDAV. Click Stop in the right-hand pane.
- 6. Open Command Prompt windows with administrative permissions.
- 7. In the command prompt type in **iisreset** and press <Enter>.
- 8. Try to upgrade the database again.
- 10. When database upgrade completes, click **Close**.
- 11. Open desktop on the Windows machine, where you want to upgrade Control Center Web application.
- 12. Copy the installer file for Control Center to a local disk. This is a file NiceLabel-ControlCenter6.exe.

13. Copy the file UserData.ini next to it in the same folder. This . INI file has been prepared by EPM Custom Settings Generator.



14. Run the Control Center installer and follow on-screen instructions.

You will have to confirm removal of the existing version and then the new version will be installed without asking any additional questions.

Installing the Client Components

Installing the Client

NiceLabel PowerForms Desktop is the label and form designer which will help you create label formats and printing applications (forms) for your Web printing users. Typically, you will install NiceLabel PowerForms Desktop on the workstations, not on the server.

NOTE: You must be logged on the computer with the administrative permissions to be able to perform the software installation.

To install the NiceLabel PowerForms Desktop, do the following:

- 1. To ensure a complete installation, close all open applications before installing the software.
- 2. Insert the NiceLabel Control Center DVD in your DVD drive. An installation window will open automatically.



3. Click on Install NiceLabel product. A new window will open showing the available products.



- 4. Click on NiceLabel PowerForms Desktop then click Next to begin the installation. Follow the wizard prompts.
- 5. The Start menu in your Windows will show a new program group for the NiceLabel software that contains shortcuts for all NiceLabel PowerForms Desktop applications.

Installing the Printer Drivers

You can use the labeling software to design and print labels to standard office printers, such as laser, ink jet or dot matrix, to professional output devices, such as thermal label printers or other marking devices (inscribing laser, high-speed ink jet). For any printer you have, you first have to install the appropriate printer driver before you can use it. NiceLabel software is accompanied with the printer drivers all major thermal printer brands.

Printer Driver Installation Using the Printer Installation Wizard

1. Put the NiceLabel DVD in your DVD-ROM drive. The main installation application will start automatically.



2. Click on Install NiceLabel Printer Drivers. The printer installation wizard will start.



- 3. Follow on-screen instructions.
- 4. Select your printer from the list. Click Next.
- 5. Select the port where you have connected your printer and click the **Finish** button.

Printer Driver Installation Using the Windows Add Printer Wizard

- 1. In Control Panel, select View devices and printers to open Devices and printers.
- 2. Click Add a printer.



- 3. Follow the Add Printer Wizard prompts. The actual steps vary depending on the version of your Windows operating system. Click on **Have disk** button in the step where you can select printer manufacturer and model.
- 4. Put the NiceLabel DVD in your DVD-ROM drive and browse to the folder Drivers.
- 5. Select the folder of your printer name. You will see the list of all available printer models of the selected manufacturer.
- 6. Select your model, click **Next** and finish the installation.

Controlling the Printer Installation Wizard (PRNINST.EXE) in the Command Prompt

You can automate the NiceLabel printer driver installation process hiding all dialog boxed. You can control the installer with the command-line options.

For more information see Knowledge Base article KB253.

Configuring Retrieval of Client Settings from the Server

The NiceLabel client (NiceLabel PowerForms Desktop) can store its configuration locally so each user uses his own configuration, or the settings can be recalled from the Control Center each time the client starts. This approach ensures that all users share the same settings, such as folders for labels and forms, the application layout and logging details. The default setting for each client is use the local settings and not retrieve them from the server.

To configure the client to take the settings from the Control Center manually, do the following:

- 1. Make sure the client is already activated with the license from the Control Center.
- 2. Open **NiceLabel Configuration**. You can find it in the Start menu, or in the **Tools** menu of any NiceLabel application on the workstation.

0	ptions	×
	General Error configuration Log file Folders Language Label usage passwords User rights and access Control Center Monitor events Monitor print jobs Settings NiceLabel Pro Desktop Colors Settings Printers	Print center The location of Control Center. Computer name: trainer Storage Server port: Storage Server port: Storage Server port: Make sure to enable this option to retrieve settings from the server Settings location Settings can estored individually on local computers or on a global server. Colocal Manual synchronization of settings with server: Retrieve from Server Store to Server
	Show all settings	Global (Automatic synchronization)
-		OK Cancel Apply Help

3. Open Control Center>Settings section.

- 4. Enable the option Global (Automatic synchronization).
- 5. Also make sure that you use the Storage Server port as defined during the Control Center installation. The default is **8080 TCP**.
- 6. Click OK.

To automate the configuration of the settings location, you can force the client to get settings from the server by enabling the option in the registry.

Do the following:

- 1. To go the desktop of the each client, for which you want to change a setting retrieval parameter.
- 2. Press Windows key + R to open Run window.
- 3. Type in regedit and press <Enter>.

The application Registry Editor will open.

4. Navigate to they key :

HKEY CURRENT USER\Software\EuroPlus\NiceLabel\6.0\DESKTOP

5. Double-click the value **AutoSync** and set it to **1**.



You can activate the client with a license from Control Center outside of the user interface. For this you have to create a text file license.cfg and save it in the NiceLabel System folder. Upon startup the client reads the file and retrieves the licenses from the specified Control Center.

To automate the activation process, do the following:

- 1. Open you favorite text editor and create a text ASCII file.
- 2. Type in the following data:

```
[DESKTOP]
ANServer=<server>
```

Replace <server> with the Windows name of the server, where the Control Center has been installed.

- 3. Save the file as license.cfg.
- 4. After the NiceLabel client has been installed, copy this file into the NiceLabel System folder:

c:\ProgramData\EuroPlus\NiceLabel 6\system

5. OPTIONAL. If you will enable HTTPS support on the server, then make sure to add additional line.

SSL=1

 OPTIONAL. If your WebDAV port for Document Storage is not 8080, then you have to specify the proper port number. DocumentStoragePort=<port>

Replace <port> with the actual port number you used for the site EPMWebDAV during the Control Center installation.

Installing Support for WebDAV

WebDAV (Web-based Distributed Authoring and Versioning) is a set of extensions to HTTP protocol. It provides a framework for users to create, change and move documents on a server; typically a web server or web share.

NiceLabel Control Center provides WebDAV access to the files inside the Document Storage. All clients that interact with the Document Storage must have enabled the WebDAV support. Usually, the "clients" are NiceLabel PowerForms Desktop and NiceLabel Automation.

- Older Windows operating systems (such as Windows XP and Windows Server 2003). You must install the Microsoft Data Access Internet Publishing Provider component. For more information see Knowledge Base article KB157.
- Current Windows operating systems (such as Windows 7 and Windows 8/8.1). The WebDAV support is already installed.
- Windows Server operating systems (such as Windows Server 2012 R2). You have to enable the **Desktop Experience** feature.

Enabling WebClient Service to "Automatic" Startup Type

Windows operating system supports access to WebDAV shares using WebClient service. When this service is stopped users will not be able to access WebDAV shares. In Windows Server 2003 WebClient service is disabled by default, where as in Windows XP, Vista, 7 and Windows 8 it is enabled in Manual startup mode. In Windows Server 2008/2012 (including R2) editions, default setup does not have web client service. You need to install Desktop experience package to add web client service.

To make sure the WebDAV support will always be available, set the WebClient service startup type to Automatic.

Do the following:

- 1. Press Windows key (or <Ctrl> + <Esc>) to open the search.
- 2. Type in Services and run the Services window.
- 3. Scroll down in the list and locate the service WebClient.
- 4. Double click WebClient to open its properties.
- 5. In Startup type combo box select Automatic.

9			Services					- 0	x
File Action View	Help								
♦ ♥ □ 0	🕞 🛛 🖬 🕨 💷 🕪								
🔅 Services (Local)	Services (Local)								
	WebClient	Name	•	Description	Status	Startup	Туре	Log On As	^
		🔍 W3C Log	ging Service	Provides W		Manual		Local Syste.	
	Start the service	🥢 🎑 WebClien	t	Enables Win		Manual	(Trigger Start)	Local Servic	e
		@ Windows	Audio	Manager au		Manual		Local Servic	e
		Web	Client Propert	ies (Local Com	puter)	x		Local Syste.	
Locate WebCI	ient service ased program							Local Servic	e
Locale Webol	d modify Inter	General Log On	Recovery Depe	ndencies			ic (Trigger	Local Servic	e
	service is stop	Service name:	WebClient				Trigger Start)	Local Syste.	
	If this service is disabled, any ser	Service name.	WebGiene				Trigger Start)	Local Servic	e
	that explicitly depend on it will f	Display name:	WebClient				Trigger Start)	Local Syste.	
	start.	Description	Enables Windows	s-based programs to c	create,			Network S	.
		2 coonplication	access, and modi	fy Internet-based files	s. If this	~	ic	Local Servic	e
						- 1	ic	Local Servic	e
		Path to executable	em32\euchoet.eve	+ WebClientGmun			ic	Local Servic	e
		C. Windows byst	citibe avendations	K Webelen teroup		_		Local Servic	e
		Startup type:	Manual			~		Local Syste.	
			Automatic (Delay	ed Start)			ic	Local Syste.	
			Automatic	վեղ				Local Syste.	
		Dica etatue:	Disabled					Local Servic	e
			otopped			_		Local Syste.	
Cna	inge startup type to	Start	Stop	Pause	Resume		ic	Network S	. –
	Automatic .	You one encoded	he start parameters	that apply when you	start the service		Trigger Start)	Local Syste.	
		from here.	ne stait parameters	tilat apply when you	Start the Service		Trigger Start)	Local Servic	e 🗸
	Extended Standard /					- II			
	· · · · · · · · · · · · · · · · · · ·	Start parameters:							
		· · · · · · · · · · · · · · · · · · ·							
			(JK Cance	H App	ly			

- 6. If the service is not running yet, click Start button.
- 7. Click OK.
- 8. Close Services window.

Installing Desktop Experience

To install Desktop Experience on Windows Server operating system, do the following.

NOTE: These instructions are for Windows Server 2012 R2.

- 1. Start Server Manager from the Start screen.
- 2. Click Manage, then click Add Roles and Features.

b	Server Mana	ager	_ 🗆 X
Server M	anager • Dashboard	- 😥 🚩 Manage Tools	View Help d Features
	WELCOME TO SERVER MANAGER	Remove Roles	s and Features
Local Server		Add Servers	Group
All Servers	Click Add Roles and Feature	S. Server Manar	er Properties
■ File and Storage Services ▷			jer riopenies
	QUICK START		
	2 Add	I roles and features	
	3 Add	d other servers to manage	=
	WHAT'S NEW 4 Crea	ate a server group	
	LEARN MORE		Hide
	ROLES AND SERVER GROUPS		
	Koles: Server groups: Servers total:	1	
	File and Storage 1	Local Server 1	
	Manageability	Manageability	
	Events	Events	
	Performance	2 Services	
	BPA results	Performance	
		RPA results	~

3. Select Role-based or feature-based installation. Click Next.



- 4. Select a local server from the server pool. Click Next.
- 5. The Desktop Experience feature is not a Server Role, so skip the Server Roles page by clicking Next.
- 6. In the Select Features section, expand **User Interfaces and Infrastructure** and check the **Desktop Experience** check box. Probably it will now ask you whether you also want to install the features required by Desktop Experience. Click the **Add Features** button to proceed. Now, click the **Next** button to proceed.

b	Add Roles and Features Wizard
Before You Begin Installation Type Server Selection Server Roles Features	
Confirmation Results	SMB Bandwidth Limit themes, and photo management. SMTP Server Desktop Experience does not enable any of the Windows 8 features; you must manually enable them. □ Telnet Client Telnet Server □ TFIP Client Image: State Server ☑ Graphical Management Tools and Infrastructure Image: Server ☑ Pesktop Experience Image: Server ☑ Pesktop Experience Image: Server ☑ Server Graphical Shell (Installed) Windows Biometric Framework
	< <tr> <</tr>

7. In the Confirmation section, optionally check the **Restart the destination server automatically if required** check box as the Desktop Experience feature will need a restart to complete. You can also manually restart the server after the wizard completed.

Ъ	Add Roles and Fea	ures Wizard	_ 🗆 X
Confirm installation Before You Begin Installation Type Server Selection Server Roles Features Confirmation Results	Add Roles and Fea	Di CleanSRV2012R2.G/ ces, or features on selected server, click Install. omatically if required ion tools) might be displayed on this page beca not want to install these optional features, click	LAYYeuroplus.local
	Export configuration settings Specify an alternate source path		
		< Previous Next > Install	Cancel

8. Wait while the features are being installed. You can also close the **Add Roles and Features Wizard** window if you want; it will continue in the background.

Registering the Software

At the end of the activation process, please fill out the registration form in the last step of the Product Activation process. If you have the access to the internet, the product can be activated on-line. You can also print out the registration form and send or fax it to the contact on the form.

Registration is not required but you should register the labeling software to receive the following benefits:

- Free access to downloads and updates.
- Free Technical Newsletter discussing product news.

To register the labeling software, do the following:

- 1. Start the label designer.
- 2. Select Help> Manage Registration.

Product Registration				
Welcome to Product Registration Wizard This wizard will guide you through the product registration process.				
You have not yet registered your copy of product. Please take your time to register, so we can provide you with better support, product news and updates.				
Would you like to register your copy of product?				
Yes, register				
Remind me later (days)				
🔘 Do not register				
Cancel < Back Next > Finish				

3. Follow on-screen instructions.

Upgrading Client to the New Version

Simply start the installer of the new version of NiceLabel PowerForms Desktop and follow on-screen prompts. "Installing the Client" on page 63

The upgrade will first remove the existing version and replace it with the new version, keeping all the data and license information.

Licensing

Managing Licenses

The Control Center includes the functionality of a licensing server. You can activate your **NiceLabel PowerForms Desktop** workstations by configuring them to get license from the Control Center. When the client gets license from the Control Center, it will report all events to the same Control Center and can be managed through it. Information about all printing events from each workstation is reported to the centralized location.

In the Control Center product you get licenses for the local NiceLabel clients. You can also activate other NiceLabel products in the Control Center and include them under the centralized management.

You can manage the licenses in the **Administration** tab. Select the **Licenses** section. All activated products will be listed here. To see which clients are using a license from the Control Center click the **Plus** icon in front of the product name.

💘 NiceLabel Control Center				
🕈 Overview 🛛 🖹 Print Manag	ement 🖸 Document Storage 🔍 History 🖼 Reports 🗚 Automation 📽 Administra	ition		
Administration	Licenses Administration Manage and upgrade licenses, activate and deactivate products.			
 Printer Groups 	Activated Products			
> PowerForms Web Clients	Product	Used	Free	
> Global Variables	+ NiceLabel Automation Enterprise	4	16	
	NiceLabel Control Center Enterprise	1	19	
Versioning and Workflow	NiceLabel PowerForms Web	49	50	
> Licenses	Activation Details			

NOTE: After Control Center has been installed, you have to activate the licenses to activate Control Center. Control Center will unlock and display different parts of its user interface based on the activated license key.

Activating New Product

Before you start the activation process, get familiar with the following terminology:

- Key Number. The sequence of 25 characters provided with the software. This is your license key.
- Registration Number. Unique number generated during the activation process. The registration number validates the entered key number.
- Activation Code. Issued on the online Activation server. The activation code activates the software on your computer.

To activate the licenses in the Control Center server, do the following:

- 1. Open a browser on a computer that as access to the internet.
- 2. Type in the URL to the Control Center.

http://server/name

Where server is the name of your computer, where you have installed Control Center.

- 3. Go to the Administration tab, then choose Licenses subsection.
- 4. Select the Activate new product link.
- 5. On the Activation page, enter the required customer information and the **Key Number** that was delivered in your product package.
| Overview A Print Manage Administration Alerts | ement Document Storage Activation Enter the required customer | ge O History II Reports A Automation Administration |
|--|--|--|
| Printer Groups PowerForms Web Clients Global Variables Versioning and Workflow Synchronization Licenses | 1. User Information
Name: *
Company: *
Address line 1:
Address line 2:
Zip or Postal Code:
City:
Country: *
E-mail: *
Key Number: *
* - Required | 2. Product Activation |

- 6. Click the Next button.
- 7. The **Registration Number** is generated automatically. If the computer has an Internet connection, you can complete the activation by clicking the **Finish** button.

Adding Client Licenses

If you want to increase the number of licenses for a particular product activated in the Control Center, you have to activate the license pack.

To add licenses to your existing product, do the following:

- 1. Open a browser on a computer that as access to the internet.
- 2. Type in the URL to the Control Center.

http://server/name

Where server is the name of your computer, where you have installed Control Center.

- 3. Go to the Administration tab, then choose Licenses subsection.
- 4. Select one of the products to upgrade.
- 5. Click the Upgrade link and then select the Add licenses.

NOTE: Notice that Key Number and the Registration Number are already entered.

- 6. Enter the License Pack Key Number hat was issued for your License Pack.
- 7. If the computer has an Internet connection, you can complete the activation by clicking the Automatic Activation button.

Upgrading Product License

To upgrade your existing Control Center (for example, upgrade your Control Center Pro to Control Center Enterprise), do the following:

- 1. Open a browser on a computer that as access to the internet.
- 2. Type in the URL to the Control Center.

http://server/name

Where server is the name of your computer, where you have installed Control Center.

- 3. Go to the Administration tab, then choose Licenses subsection.
- 4. Select one of the products to upgrade.
- 5. Click the **Upgrade** link.
- 4. Notice the Old Key Number and the Registration Number were already entered. Now enter the Upgrade Key Number that was issued for your product upgrade.
- 5. If the computer has an Internet connection, you can complete the activation by clicking the **Automatic Activation** button. *Activation Code* will be generated and your upgraded product functionality will be activated.

Activating Without Access to the Internet

If the computer where you started the activation procedure does not have Internet access you will have to open the Activation Web page on other computer with the Internet access, manually activate the software, obtain the **Activation Code** and enter it into Control Center to complete the activation.

Do the following:

- 1. Write down all numbers from the Web page (e.g. Key Number, Registration Number).
- 2. Write down the Activation Web page address.

NOTE: The activation web page address to activate the software is provided on-screen.

- 3. Go to a computer with the Internet access and open the provided Activation Web page.
- 4. Enter the Key Number and the Registration Number. Enter other user information when prompted.
- 5. Click on the ACTIVATE button to retrieve the Activation Code. Write it down.
- 6. Go back to the computer where the Product Activation page is still open.
- 7. Enter the Activation Code.
- 8. Click on the Finish button to complete the activation process.

Deactivating Products

Deactivating a license key allows you to move the software from one server to another.

To deactivate the product, do the following:

- 1. Make sure that the computer you use to open Control Center page has connection to the internet.
- 2. If you have user login enabled, log in as user with the administrative permissions in Control Center.
- 3. Go to Administration>Licenses.
- 4. Select the product you want to deactivate.
- 5. Click **Deactivate product**.

Activating the Client

You have to activate the client NiceLabel PowerForms Desktop on each workstation.

NOTE: If you do not complete the client activation process, the client will first run in a trial mode and after 30 days switch into limited demo mode. When not activated, the client also does not send any event updates to the Control Center.

To activate the client, do the following:

- 1. Make sure that your NiceLabel Control Center license type is activated in your Control Center.
- 2. Run NiceLabel Pro on the workstation. The Trial Mode dialog box will display.

Trial Mode	×
NiceLabel 6 Trial Activating client The trial evaluation period expires in 30 days.)
You may convert this trial by purchasing the product and entering the license key.	
www.nicelabel.com	
Enter license key Buy license Continue trial	

- 3. Click Enter license key button.
- 4. Select the Control Center license server and click Next.

Manage license
Welcome to Product Activation Wizard This wizard will guide you through the product activation process.
Product has not yet been activated or no valid licenses could be found. Please follow this Activation Wizard to activate your copy of product or troubleshoot your active license.
Please choose product activation method:
🔘 Hardware Key
🔘 Single User Software Key
Multi-user Software Key
Ontrol Center license server
Select the Control Center license type
Cancel < Back Next > Finish

5. Enter the name of the server, where you have installed the Control Center and click Next.

anage license	×
Control Center license server	
Select Control Center server name.	
Please enter the name of the server where Control Center is installed.	
Control Center server name	
trainer	
SSL connection	
Enter name of the Control	
Center server	
Cancel < Back Next > Finis	sh

6. NiceLabel client will connect to the Control Center and retrieve the license. Additionally, the client will be reconfigured to send data about printing events and printer statuses to the Control Center

Contro	I Center license server
WAR	NING: Changes in program configuration
*	Activation Wizard has successfully connected to the license server. This results in following program configuration changes:
	Print job information will be logged on the server Printing events will be logged on the server Detailed printing control will be enabled
	You can use the Options menu or the product configuration tool to change these settings.
	ОК

Click OK.

NOTE: You can use NiceLabel Configuration to fine tune the client settings.

- 7. The license information will be displayed in the Manage license dialog box.
- 8. Click Finish button.

Enabling Offline Mode for the Client

NiceLabel licenses are stored centrally on the Control Center server. When the connection to Control Center is available, the client operates in **On-line Mode**. If the Control Center is frequently not available or network connection is unstable, you can configure the **License Manager** to enable the **Off-line Mode** for the clients. This mode is useful in environments where you need mobile licenses is required or in events where server system failure would otherwise stop the label production.



NOTE: Licenses for NiceLabel Control Center clients can be run in the offline mode. You can use up to half of the licenses in the offline mode.

To enable the offline mode, do the following:

- 1. Start NiceLabel Pro application.
- 2. Go to Help>Manage License and click the Open License Manager button.
- 3. Click the Enable offline mode button.

License Manager		×
User Information		
User name:	SASO	Offline mode is enabled
Application status:	Off line	
Enable Of	f-line Mode	Force Off-line Mode
Disable Of	f-line Mode	Lease period expired in (days): 15
Server Information —		
Server status:		Accessible
Server location:		trainer
Number of available	e licenses:	20 Number of free licenses: 19
		Help Close

Force Off-line Mode: If this setting is selected, the License Manager will not check for the presence of the Control Center and the application will automatically start in the off-line mode. When the license lease expires, the application will stop running and you must renew the license by switching off this option and re-connecting to the Control Center. The off-line license expires after 15 days.

Support

Online Self-help

You can find the latest builds, updates, workarounds for problems and Frequently Asked Questions (FAQ) on the product web site at www.nicelabel.com.

For more information please refer to:

- Knowledge base: http://kb.nicelabel.com
- NiceLabel Support: http://www.nicelabel.com/support
- NiceLabel Tutorials: www.nicelabel.com/Learning-center/Tutorials
- NiceLabel Forums: forums.nicelabel.com

Troubleshooting

□ Software does not install

When the installer does not complete successfully despite following all rules for the prerequisites, enable the install log file and send it to the regional Technical Support team.

To create the install log, do the following:

- 1. Press Windows key + R and type in cmd.
- 2. In Command Prompt window, go to current user's temporary folder. Type in:

cd %temp%

3. In Command Prompt window, create an empty text file lblinstall.log. Type in:

type nul > lblinstall.log

- 4. Run the NiceLabel Automation install again. When the error displays again, close the installer.
- 5. Contact the regional Technical Support team and provide the lblinstall.log file.

Contacting Technical Support

At some point, when you encounter a problem that you cannot solve by yourself, you may need to contact your support representative for additional assistance

http://www.nicelabel.com/support/technical-support

NOTE: If you have a Service Maintenance Agreement (SMA), please contact the premium support as specified in the agreement.

Before contacting support it would be very helpful, if you collected information about the problem, the computer and operating system, you are running NiceLabel software on. You can use the following checklist.

Checklist
What happened? Write down exactly the error message that you get or make a screen shot of the error.
When was the error discovered for the first time?
What did you expect to happen?
Have you discovered the problem earlier?
Can the error be reproduced?
How often did the error occur?

Have you tried to use NiceLabel software this way earlier?		
If your problem is coming and going, please describe circumstances and under what conditions the error appears.		
Which version of NiceLabel software are you using?		
Which version of NiceLabel was used to design the label?		
Can you provide the files that you were using when the issue occurred (data files, configuration files, label files, etc.)?		
Which printer are you using?		
Which version of printer driver are you using?		
Which operating system are you using? In which language?		
Are you using firewall? Are all the required ports open?		
Which version of Microsoft .NET framework is installed?		