



LABEL ARCHIVE 2019.00.00 Release Notes

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System Requirements

Server

This product has been tested on the following Windows® operating systems:

- Windows Server 2019 x64
- Windows Server 2016 x64
- Windows Server 2012 R2 x64
- Windows Server 2012 R2 x64
- Windows Server 2008 R2 SP1 x64
- Windows Server 2008 SP2 x64

All available updates should be installed.

Memory: 2Gb RAM minimum, 8Gb RAM recommended.

Hard disk space: A hard drive with at least 1.5 GB free disk space (depending on the installation options).

Display: Display minimum resolution: 1366x768

Supporting software:

.NET Framework 4.6.1 (provided on DVD)

IIS 7.0 or higher

ASP.NET 4.0

Databases:

SQL Server 2008/2008R2/2012/2014/2016/2017. SQL Server Express is recommended for demo purposes only.

Oracle 11.2 or higher.

Note: Requires Oracle Client software version 8.1.7.

Recommended: Oracle Database 12c Release 2 Client (12.2.0.1.0).

Client:

- Windows 10 (x32/x64)
- Windows 8/8.1 (x32/x64)
- Windows 8 (x32/x64)
- Windows 7 SP1 (x32/x64)

Web part: Internet Explorer 11, Microsoft Edge, Firefox 58.0 (x32) or higher, Google Chrome 63.0 (x32) or

higher.

Memory: 2Gb RAM minimum, 8Gb RAM recommended.

Display: Display minimum resolution: 1366x768

Virtual Environment:

This product has been tested on the following Virtual Environment platforms:

- VMWare vSphere 5.0, 5.1.0, 6.0.0
- Citrix XenServer 6.5 SP1, 7
- Microsoft Hyper-V 2012 R2, 2016
- Oracle VM Virtual Box 5.1.14 and higher
- Parallels 6.0 and higher
- VMWare Workstation 7.1 and higher

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New Features & Enhancements

Version 2019

- Document version 0 support - User should set zero version manually in database.
- OLEDB provider replaced by SQLServer provider to improve stability.
- **RTC5.0-2.2-011** - Include the following customers' patches:
 1. Deleting UMSS sessions for UMSS-MSGs Administration Snap-in and remote CODESOFT if requests from these apps have not being processed more than 5 minutes by default.
 2. Deleting UMSS session from UMSS-MSGs Snap-in releases the appropriate license.
 3. UMSS user groups can be cloned via UMSS-MSGs Snap-in.
- **RTC5.0-2.2-051** - Copied from LAS 2017 MRD: Ability to rename a folder in LA.
- **RTC5.0-2.2-053** - Windows auth login with manual password entry. Login will be stopped on following error codes returned by domain controller:
ERROR_PASSWORD_EXPIRED 1330
ERROR_TIMEOUT 1460
ERROR_LOGON_FAILURE 1326
ERROR_ACCOUNT_DISABLED 1331
ERROR_INVALID_DOMAIN_STATE 1353
ERROR_NO_SUCH_DOMAIN 1355
- **RTC5.0-2.2-054** - Tags enhancements: tags list with adjustable default settings.
- **RTC5.0-2.2-055** - Searching over labels using variables as lookup parameters. CODESOFT should add variables metadata on Check In.
- **TC 6.0 User Story 46763** - MSGS user activities logging: audit trail enhancements.
- **Requirement TFS 46326** - Rewrite MMC snap-ins as Windows Forms application.
- **Integrate Shepherd patch** - UMSS sessions management optimizations.

Version 2018

- Bunch of LAS/UMSS enhancements and patches for TEKLYNX CENTRAL 4.7/5.0 (True reprint, ACGroups changes, Login policy changes etc.).
- RTC2018-2.2-031 Add the UMSS user group copy patch as a default feature.
- RTC2018-2.2-032 Ability to bind a user group in UMSS with a USER Group in Active directory. This will allow us to create just 1 association, group to group, and have the system be manages all the way in AD from there on out.
- RTC2018-2.2-033 The option in LA that will remove the allowance of "selfapproval". Making it so users can not approve their own labels.
- RTC2018-2.2-034 The ability to double click a label in label archive to check the label out of LABEL ARCHIVE.

- RTC2018-2.2-035 A description field for each step of approval rule, displayable wherever approval rules are shown.
- RTC2018-2.2-043 LAS: the ability to move a label from one folder to another.
- RTC2018-2.2-044 Display locked/not-locked status of each user in the UMSS Management Console screen.
- RTC2018-2.2-046 UMMS permissions fix for categories: after adding a new category actual permissions checkboxes are not enabled.

Version 2015.01

- **RTC4.60.00-01/08** Multiple reports enhancements including new filters, fixes, optimization of big amounts of data and visualization.
- **RTC4.60.00-10** Teklynx Central enhancement: filter label history for a particular TC user or TC workstation.
- **RTC4.60.00-12** When the label is in approval process, display information about next step.
- **RTC4.60.00-13** When creating an approval rule, a setting is added in Label Archive Client snap-in to specify that the user who created the label will receive an email when the label is approved or denied.
- **RTC4.60.00-13** Make sure it's possible to use LABEL ARCHIVE with UAC turned on.
- **RTC4.60.00-18** It should be possible to filter LAS history by Job name using wildcard characters (it is required to specify full name) e.g.: part1*part2, ?part3
- **RTC4.60.00-20** Enhancement: The report uses a grey background color that makes the reading difficult after printing on certain printers.
- **RTC4.60.00-21** Fix: If user selects only Date / Time / User to generate the report (information that is not depend on the label) and none of the label variables, the report generated does not reflect this selection whatever the label versions.
- **RTC4.60.00-22** Report formatting fixes.
- **RTC4.60.00-25** Fix: When adding a Windows user in UMSS, the search box does not allow searching user by the last name specified in the Active Directory but just by the user logon name.
- **RTC4.60.00-26** Fix: When adding a Windows user in UMSS, the information for the user: firstname, last name, phone, mobile, email and locked, should be automatically updated in the add user dialog box.

Version 2015

- **Logging system enhancements** – New detailed logging can be adjusted in NLog.config files in the following folders:
c:\Program Files (x86)\Teklynx\Label Archive Server for LA Server
c:\Program Files (x86)\Teklynx\Label Archive Client for LA Client
c:\Program Files (x86)\Teklynx\TkxSvrServers for UMSS Server
c:\Program Files (x86)\Teklynx\TkxSvrClients for UMSS Client

Log files are located under c:\ProgramData\Teklynx\ folder by default (x64 system), i.e.

c:\ProgramData\Teklynx\LabelArchive\Logs\ for LABEL ARCHIVE.

Reporting level could be Trace, Debug, Info, Warn, Error, Fatal (Error by default). Old tracing system is still available via Server Administration application, but it doesn't provide as much details and will be removed in LABEL ARCHIVE 2015.01.

- **R-LA2015-001** – The ability to export the history data to an external table in a scheduled fashion via a windows service.
- **R-LA2015-003** – The ability to tweak if deleting really deletes the label. The ability to save a local copy of the label from the checkout screen. Valid from date functionality change
- **R-LA2015-006** – Be able to easily generate a report of every label that was printed on a certain date. or by a certain user on a certain date.
- **R-LA2015-007** – When you query a print job that has 999 jobs that are all identical, it takes a lot of time to retrieve the data. In the case that the print job has 999 identical labels, it should return 1 with the quantity. If the label has a counter, it will need to record each one individually.
- **R-LA2015-008** – Rotate the preview of the label in the approval and reprint screen.
- **R-LA2015-009** – When user approves a label have it show who is next to approve the label.
- **R-LA2015-010** – Add ability to tag labels and search them by tags.

Version 2014

- **R-LA2014-0001** – The ability to export the history data to an external table in a scheduled fashion via a windows service.
- **R-LA2014-0003** – The ability to tweak if deleting really deletes the label. The ability to save a local copy of the label from the check out screen. Valid from date functionality change
- **R-LA2014-0006** – Be able to easily generate a report of every label that was printed on a certain date. or by a certain user on a certain date.
- **R-LA2014-0008** – Rotate the preview of the label in the approval and reprint screen.
- **R-LA2014-0009** – When user approves a label have it show who is next to approve the label.

Version 2012

- **R-LA2012-0003** – Enhancements to the reporting module: report across similarly named variables on different label templates
- **R-LA2012-0007** – Enhance the way of selecting columns to include in the report. Each column width is automatically resized.
- **R-LA2012-0003** – Make all of the variable values default to blank when user opens the report building tool.
- **R-LA2012-0004** – Report enhancement: new option added “see all jobs in the case of varying data on a label”.

- **R-LA2012-0005** – Enhancements to the History and Reprint: ability to search for a specific variable value across all of the print jobs for that label.
- **R-LA2012-0006** – The ability to periodically export the data from print history to a SQL table that is able to be queried by the end user.
- **R-LA2012-0007** – Ability to mark successful and failed printed labels on History dialog.
- **R-LA2012-0008** – Ability to attach a document on approval process.
- **R-LA2012-0009** – Enhancement in “Don’t save drafts between final versions option” mode: show all versions of specific label in a tree.
- **R-LA2012-0010** – NSP 3.0 support.

Version 10

- **R-LA10-0003** – LABEL ARCHIVE 10 is compatible with CODESOFT 10. Warning message will be displayed on earlier CODESOFT versions and user will not be able to login.
- **R-LA10-0007** – LABEL ARCHIVE 10 will have extended tracing features in order to check performance and application behavior on customer’s sites (originally requested by Rockwell). This feature will be controlled via MMC Administrative snap-in.
- **R-LA10-0008** – LABEL ARCHIVE 10 and UMSS 10 are compatible with TEKLYNX CENTRAL 3.0 External DB feature.
- **R-LA10-0009** – LABEL ARCHIVE 10 and UMSS 10 installations support the following languages: English (Default), French, German, Spanish and Italian.
- **R-LA10-00010** – LABEL ARCHIVE 10 batch printing stores additional info in JobName field to let users sort this column in GUI. Job name is stored in the following format: WorkstationName_UserName_Guid.
- **R-LA10-00013** – UMSS Administration snap-in: “Contains” search condition added within the Add User by Active Directory screen.
- **R-LA10-00016** – Task TFS-15643. Reprint search feature: LAS 10 has the following extra search fields on History and Reprint screens: History date, User name, Workstation, Job name and Quantity printed.
- **P-LA10-0101** – LABEL ARCHIVE 10 has new protection module NSP 2.2 with support of Offline, Online, Platinum and Subscription licenses.

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Fixed Defects

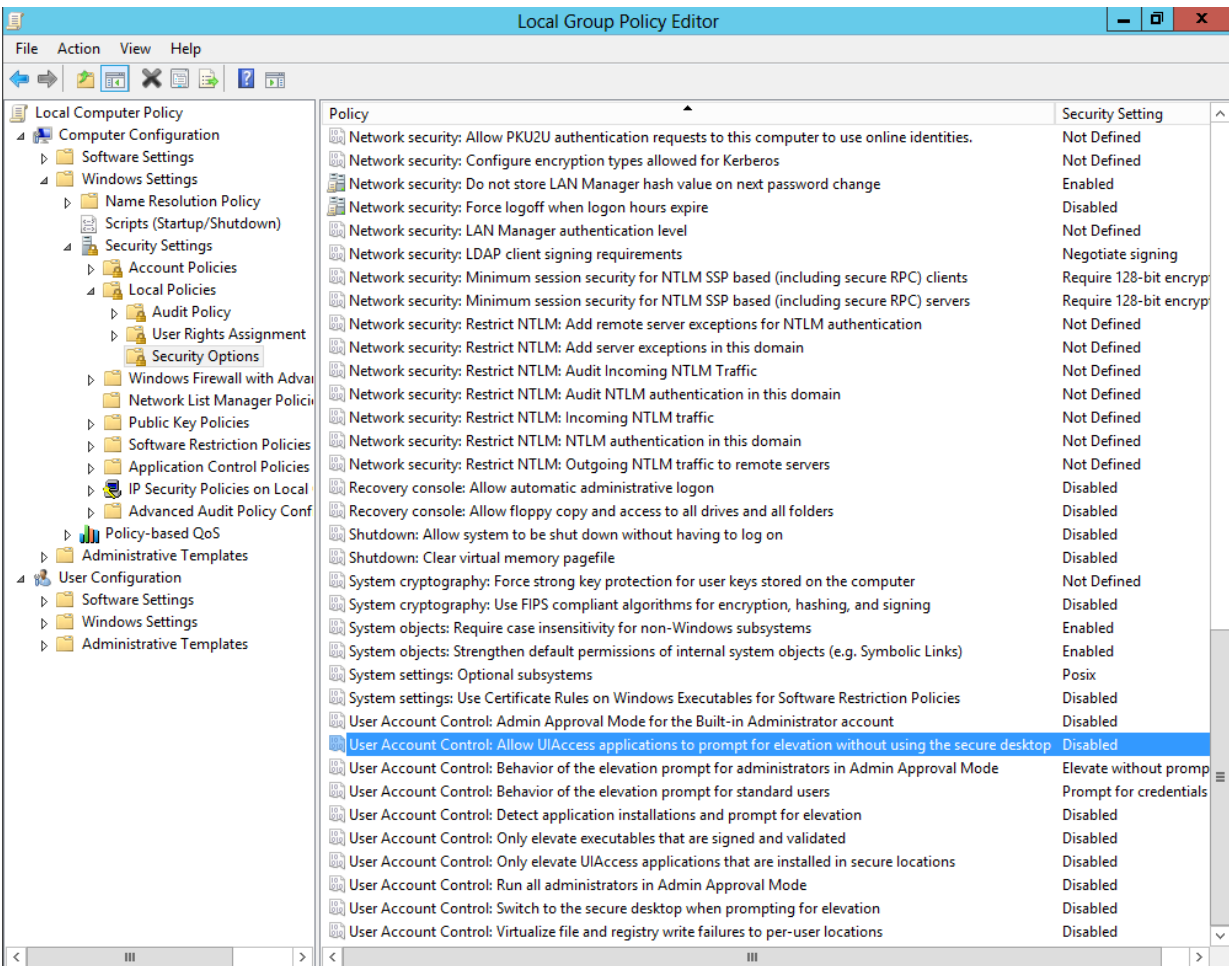
Ticket ID/ Defect ID	Description
Version 2019	
45134	When "do not save drafts between final versions" is active, you get an error on check in about metadata
45315	LAS: Allow checkin an external label as a new version of an existing one
45323	LAS : checkin issue after using export/import functions
45135	Active Directory/UMSS Group Linking Broken
47611	LA server installation. If user select options 'Install WEB and Install BackUp', exception is occurred during installation process
47654	LAS Web. Approval. Button 'Deny' is disabled, so user can't deny approval request
20520	History and Reprint dialogs contain nonlocalized form elements.

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Known Limitations

- It is recommended turning off **Windows Firewall, User Account Control and Antivirus** before installation. It's reported that Semantic EndPoint Antivirus and some others block LAS.

User Account Control on server systems like Windows Server 2012 should be also turned off in Local Group Policies.



- Two network cards and network optimizers can cause connectivity malfunction of the application.
- Virtual Machines suspended state note: it's needed to relaunch all opened LA applications and CODESOFT if VM was restored from suspended mode.
- Protection module updates its status once in several minutes. LA Administration warnings on startup and tray notification area will be updated after this time period.
- **Upgrade** is possible from the version LABELARCHIVE 2015.01. **Restart PC after upgrade.**
- **Upgrade:** Action handler's dlls in MSGS actions should be re-selected manually to refresh dll version (i.e. from 2014 to 2015). This should be done for email notifications and all other handlers.
- It's strongly advised to turn off Windows Security option "**System Cryptography: Use FIPS compliant**

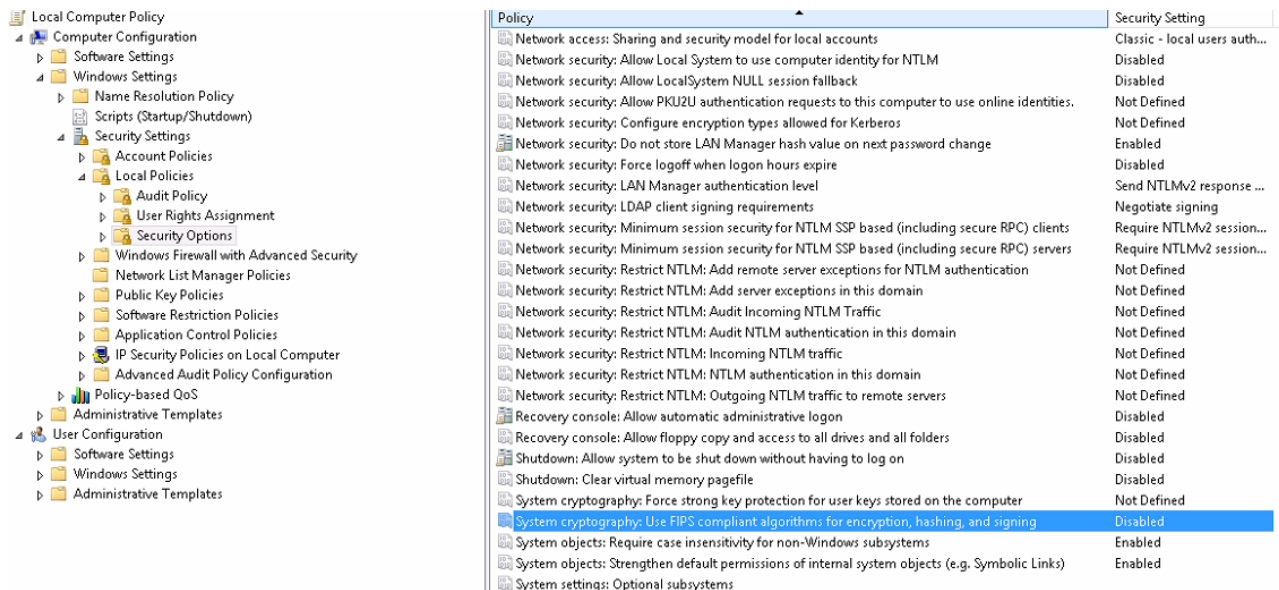
algorithms for encryption, hashing, and signing”.

This option may cause connectivity problems (LA, Printing Interface etc.) when it's turned on by default in Local Computer.

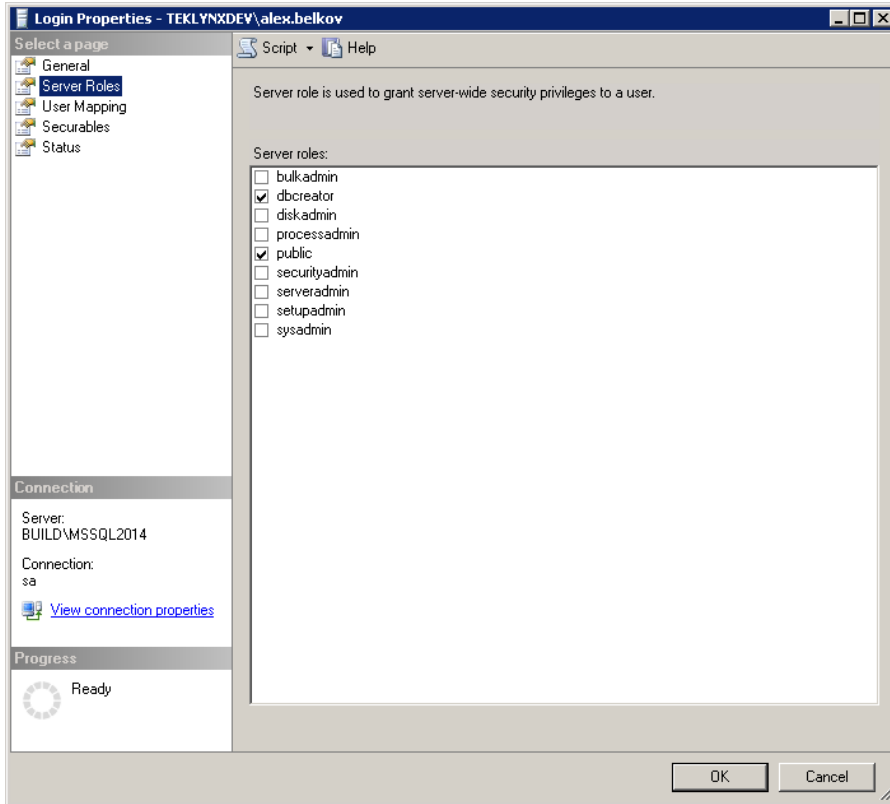
Microsoft techs provide explanation for this option.

<http://blogs.technet.com/b/secguide/archive/2014/04/07/why-we-re-not-recommending-fips-mode-anymore.aspx>

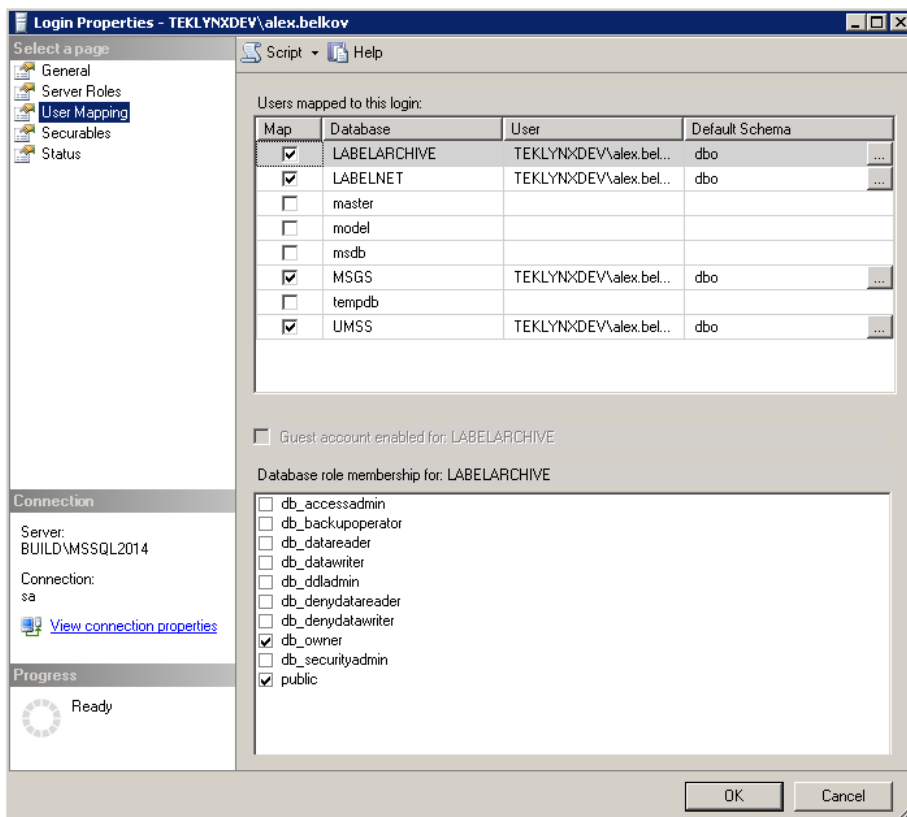
<https://support.microsoft.com/en-us/kb/811833>



- User should reinstall or upgrade LABELARCHIVE under the same DB user.
- **SQL Server 2012:** Sysadmin server role should have NT AUTHORITY\SYSTEM membership.
- **SQL Server** password should not have hash sign # in the password (Installshield bug). Also it's highly recommended to not use other special characters. The best is alphanumeric and underscore.
- **SQL Server: new installation.** Make sure that SQL user has roles **dbcreator** and **public** as on screenshot below.

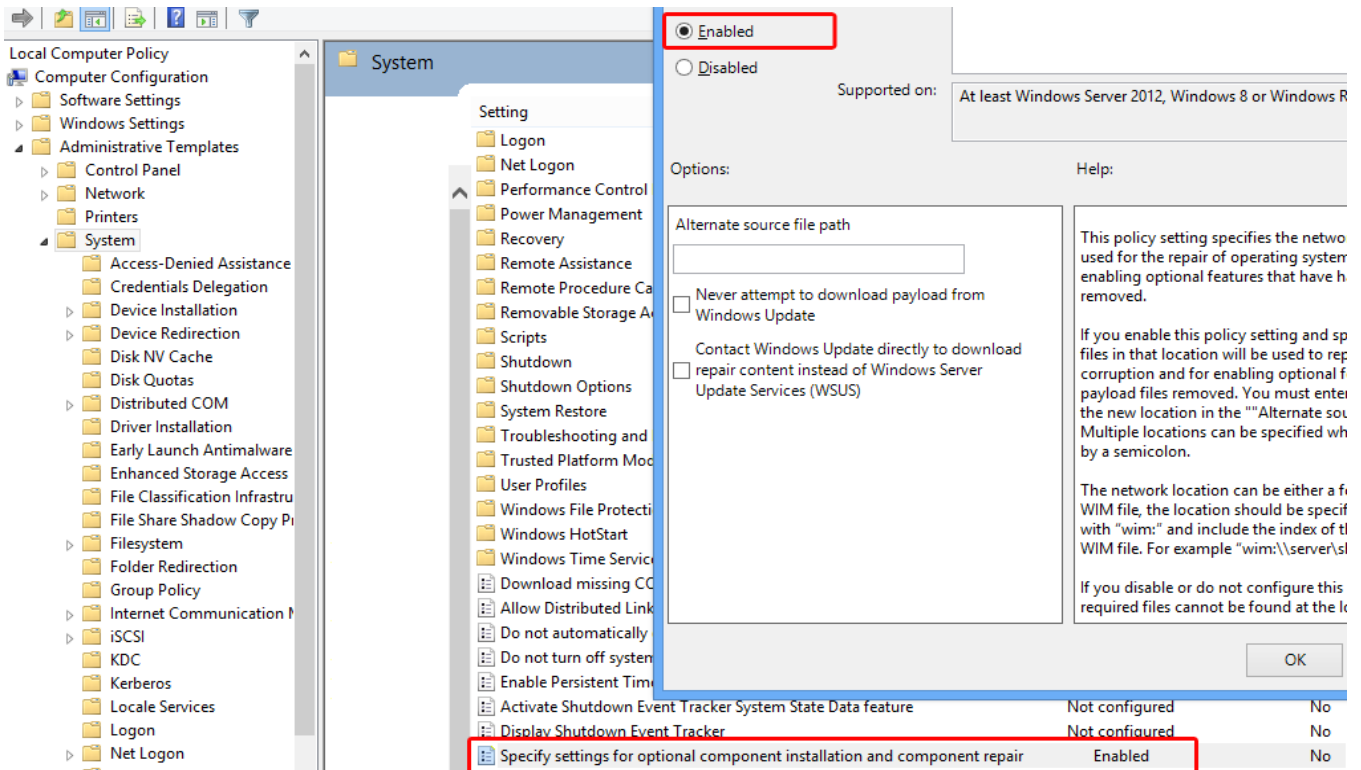


- **SQL Server: upgrade installation.** Make sure that User Mappings are set as on screenshot below. Each database should have **db_owner** and **public** roles defined for current SQL user.



- After **SQL Server** restart it's also required to restart UMSS server.
- **Oracle** installation requires creation of dedicated user with high privileges level. This user automatically creates corresponding users for UMSS and MSGS databases. User creation script is located under Doc folder of this CD.
- **Oracle client limitations** – LAS with Oracle client was tested on x32 systems. At the same time, remote Oracle server could be located on x32 or x64 systems.
- **Windows Server 2012/Win 8:** IIS should have the following features enabled: ASP.NET 4.5, и .NET 4.5 Extensibility.

Windows 8.1/2012 R2: Microsoft .NET 3.5 installation requires changes of Local Computer policy according to screenshot below.



- On some systems, Windows Authentication for Microsoft SQL Server does not work. It is recommended to use SQL server in the native or mixed authorization mode.
- **Activation** of expired software requires server PC to be restarted.
- **CODESOFT** consumes 2 licenses: 1 Designer User and 1 Report User for LAS. Remotely installed CODESOFT via Command Center prompts login screen twice.
- **CODESOFT** should be installed on LA Server for Export print history functionality.
- **CODESOFT:** It's not allowed to delete documents that are actively opened in CODESOFT.
- **CODESOFT:** any page setup of the label should be checked in before printing. In this way correct history records will be reflected after printing.
- **LAS Web Approval:** do not add LA Server workstation name to workstations list in LA Administration. Approval behavior may be incorrect.

- **Approval rules:** if user doesn't have permissions to see history, corresponding dialog will not be shown on approval.
- **LAS Web:** Win Auth mode login works in domain environment only.
- Approval workflow attachment size is 5 Mb by default. This value is defined by SI_ApprovalAttachMaxFileSize parameter in tblSysData table.
- **LAS reports:** if error message "Value cannot be NULL" will appear on report generation, please check search parameters and re-generate report again.
- **LAS Sync Service** consumes one extra license if it's launched.
- **UMSS** limitations:
 - UMSS does not support un-registration of applications, only re-registration
- If the web site first launch causes error "Could not load type 'System.ServiceModel.Activation.HttpModule' from assembly 'System.ServiceModel, Version=3.0.0.0, Culture=neutral, PublicKeyToken=b77a5c561934e089'", please remove duplicate ServiceModel and svc-Integrated records following screenshots below.

Connections

- Start Page
- Application Pools
- Sites
 - Default Web Site

Modules

Use this feature to configure the native and managed code modules that process requests made to the Web server.

Group by: No Grouping

Name	Code
RoleManager	System.Web.Security.RoleMa...
ScriptModule-4.0	System.Web.Handlers.Script...
ServiceModel	System.ServiceModel.Activati...
ServiceModel-4.0	System.ServiceModel.Activati...
Session	System.Web.SessionState.Sess...
StaticCompressionModule	%windir%\System32\inetsrv\...
StaticFileModule	%windir%\System32\inetsrv\As...
UrlAuthorization	System.Web.Security.UrlAuth...

Actions

- Add Managed
- Configure Nat
- Edit...
- Lock
- Remove**
- View Ordered
- Help
- Online Help

Connections

- Start Page
- Application Pools
- Sites
 - Default Web Site

Handler Mappings

Use this feature to specify the resources, such as DLLs and managed code, that handle responses for specific request types.

Group by: State

Name	Path	State
SimpleHandlerFactory-integra...	.ashx	Enabled
SimpleHandlerFactory-ISAPI-2.0	*.ashx	Enabled
SimpleHandlerFactory-ISAPI-2...	*.ashx	Enabled
SimpleHandlerFactory-ISAPI-4...	*.ashx	Enabled
SimpleHandlerFactory-ISAPI-4...	*.ashx	Enabled
svc-Integrated	*.svc	Enabled
svc-Integrated-4.0	*.svc	Enabled
svc-ISAPI-2.0	*.svc	Enabled

Actions

- Add Managed
- Add Script Ma
- Add Wildcard
- Add Module M
- Edit...
- Rename
- Lock
- Remove**
- Edit Feature P
- View Ordered
- Help
- Online Help

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Compatibility with other TEKLYNX Software

LABEL ARCHIVE 2019 is compatible and fully tested to work with the following TEKLYNX software packages:

- CODESOFT 2019
- SENTINEL 2019

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