

Kofax Communication Server

Release Notes

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Chapter 1

About this release

This release notes give you late-breaking information about Kofax Communication Server 10.1.1. Please read this document carefully, as it may contain information not included in other Kofax Communication Server documentation.

Version information

The build number for Kofax Communication Server 10.1.1 is 10.1.1.0.0.2485 which is displayed in About window of TC/Web and KCS Portal.

The file version number for most files is 8.6.0.2485. This version is displayed in the About windows of KCS Clients applications and tools.

Supported environments

This release is supported with the following operating systems:

- Windows Server 2016
- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2
- Windows 7 (client only)
- Windows 8.1 (client only)
- Windows 10 (client only)

Chapter 2

New features

This chapter describes the features and enhancements included in Kofax Communication Server 10.1.1.

Enhanced LS1 security

To improve the LS1 security, following enhancement are added:

- The latest OpenSSL version is used and TLS 1.1/1.2 protocols are also enabled.
- Each POST form is now rendered with a unique encrypted CSRF token (containing a unique combination of GUID nonce and timestamp) which can only be decrypted by RLA.

Longer fax header line parameter

The limit for the fax header line parameter `A`, when it is set with a `++TSI` line, is increased from 24 characters to 79 characters.

See the *TCOSS System Manual* for more details.

MWA-MX: Added support for Exchange Server 2016

Kofax Communication Server MWA-MX can now access a Microsoft Exchange Server 2016 using Exchange Web Services (EWS).

SAP user ID for SMS messages

You can use the SAP user ID as originator of SMS instead of using the sender's SMS number by setting the value of *ChangeOrig* registry key to 1.

See the *TC/LINK-SC Technical Configuration Manual* for more details.

KFXConverter: Added support for XMLW extension

You can perform the conversion of XMLW file type using KFXConverter.

Add this extension manually, if you are upgrading from KCS 10.1.0 or lower version to the latest version of Kofax Communication Server. For fresh installations, the XMLW extension is added by default.

For more information to add this extension manually, see the *Document Conversion Technical Manual*.

KFXConverter: Prevent internet access

You can prevent the KFXConverter to access the internet by configuring the `LoadExternalResources` parameter in the `KfxConverter.ini` file.

See the *Document Conversion Technical Manual* for more details.

KCS Portal: Single Sign-On (SSO) improvements

If all involved machines (KCS Portals and managed KCS servers) are in the customer's domain (Active Directory), and Windows authentication is used for KCS Portal login, you can use Single Sign-On (SSO) for each KCS server and automatically log in (without specifying password) into any managed KCS server including KCS Portal which are using its domain credentials.

This is the most secure authentication method as no passwords are transferred over the network.

KCS Portal: Copy CPU number

In the KCS Portal's **License** grid, you can copy the CPU number by double-clicking on the required CPU number and using the **Ctrl+C** keyboard command.

KCS Portal: User administration for beta preview

Provides a beta-preview of a significant part of KCS Portal user administration planned for future release of Kofax Communication Server. For security reasons, you cannot modify the user profiles by default. But on test systems, you can modify the user profiles by changing the value of `ReadOnlyMode` parameter from true to false in `KCSPortalWebConfig.xml`.

```
<Users>
  <ReadOnlyMode>true</ReadOnlyMode>
</Users>
```

Chapter 3

Changes in behavior

This section contains information about the differences in behavior between Kofax Communication Server 10.1.1 and previous releases.

Improved documentation search

Instead of displaying only the module names, the Kofax Communication Server documentation search now displays the complete manual name for quickly identifying required document.

Removed features

Following features are no longer available:

- eCopy Integration is removed from the Kofax Communication Server 10.1.1 package. The end-of-sales date was January 01, 2017. The end-of-support date is January 01, 2018.
- The program files for Model 205 based fax (using TC20) are removed from the Kofax Communication Server 10.1.1 package. The end-of-support date was December 31, 2008.

Chapter 4

Upgrade

This chapter contains additional information about upgrading Kofax Communication Server.

- For upgrading KCS Portal 10.1 to 10.1.1, refer to the [special installation instructions](#) in Chapter 6.
- Before upgrading to a new version, back up your system using KCS Backup.
- Update all Kofax Communication Server components installed on a single computer together in the following order:
 1. Server and link components
 2. Client components (TCfW)
- We recommend not to run different Kofax Communication Server versions on two different computers.
- If you are using Kofax Communication Server components from two (or more) releases, either update all your Kofax Communication Server components to the latest release or roll back all Kofax Communication Server components to a single earlier release, before you can request a Critical-On-Demand hotfix patch.
- In Tandem configuration, make sure that the primary master and the secondary master always use the same version of KCS.
- For Management Console, in addition to TCfW and TCMC from the client package, update TCPProbe and TCReport from the server package (if used).
- If you are upgrading Kofax Communication Server from 10.0.1 or lower version additional steps may be required. Please see the *TCOSS Configuration Manual* for detailed description.

Unicode

If you intend to use Unicode:

1. Update all your Kofax Communication Server computers to Kofax Communication Server 9.2.0 or later. You do not have to update all computers simultaneously.
2. Enable Unicode on all servers using the instruction from the *Kofax Communication Server Unicode Installation Guide*.

Once Unicode is enabled on TCOSS, the system does not support Kofax Communication Server components older than 9.2.0.

Special configurations:

- **ASP configuration:** Only update the storage servers and switch to Unicode. The Unicode feature does not affect the media servers which are running remote fax and telex line.
- **LCR configuration:** You can update the TCOSS nodes of a least cost routing system one by one to Unicode. Any mixture of Unicode and non-Unicode nodes using the same code page can work together

in an LCR system, with the restrictions caused by conversion of Unicode to the code page of the non-Unicode nodes. For full Unicode support all nodes of an LCR system need to run Unicode.

Chapter 5

Resolved issues

The following issues reported for a previous version of the product are fixed in this release.

Capture Connector Manual issue

KCC manual stated that the 'Import pool size' setting can be changed and used via the GUI. (922260)

TCLINK-FI: Issue with TOM file

TCLINK-FI did not import TOM file with NULL character with an error in transaction file. (921051)

Kofax Capture Connector issue

KCC did not import certain messages in a required document order into KC. (918728)

TCLINK-LN issue

If the "FailedMailStore" feature was enabled, TC/LINK-LN stopped working. (907577)

Platform Manual issue

Documentation about tandem port 64386 was not available in Platform Manual. (905280)

Reactivating sendorder issue in TCfW

Reactivating sendorders with status "Inactive Problems (reception error)" was not possible in TCfW outbox. (900575)

TRP-Link encryption issue in TCOSS

TRP-Link encryption for Pri-Sec connection did not work on TCOSS boot or restart; Resulted in an unencrypted communication. (900518)

Batchcat.xml access issue

Plug-in accessed batchcat.xml incorrectly which resulted in a corrupt batchcat.xml file. (894145)

Locking mechanism issue

Issue with locking mechanism. (893885)

ExitEmailHeader2 (EEH2) issue

TC/Link-SM terminated if a Mail with empty HTML-Body and attachment was received. (889291)

Alert queue issue in KCS Monitoring

Assigning an alert queue in KCS Monitoring did not work for any queue user. (887353)

VoiceLink2 issue

Voicelink2 did not release connections properly and after some time all connections are "Active" and it stopped to process messages. (886946)

TC/LINK-SC manual update

TC/LINK-SM manual mentioned non applicable password restrictions. (885238)

Japanese characters issue in TC/LINK-SM

Half-width Japanese characters changed into full-width characters with double quotes. (885013)

TC/LINK-SM manual update

Registry value TCLINKSM\TCMime\BufferSize was not described in the TC/LINK-SM manual. (884237)

Dirsync issue in TC/LINK-LN

Users which had only a last name but no first or middle name were created in KCS with a leading blank (TCUserName=3). (884053)

Issue with more than 20 connections

In KCC, only the first 20 connections were working/loaded. (882910)

Old screens in TC/LINK-MD manual

.NET requirements and Installation screen shots were outdated or wrong. (882602)

PDF to TIFF conversion issue

TC/LINK: Datalogic PDF to TIFF conversion crashes TCLINK.exe when source file is empty / has zero bytes. (880056)

File conversion issue

Percent sign in attachment name crashed TC/LINK. (876526)

Outbound messages sent multiple times

Outbound messages were sent multiple times as TC/LINK-MD incorrectly reported the "GSM UCP Error -1" error. (874811)

Character conversion issue

Some characters (Epsilon/Theta) were not correctly converted but treated as ASCII control characters. (867556)

KCS service issue in KCS Portal

It was impossible to create/modify a KCS service containing the "<" or ">" characters in the service prefix. (867208)

Email name with illegal characters

TC/LINK-SM stopped working when an email name had some illegal characters. (867113)

Removed MSXML 4.0 dependency

Removed dependency of MSXML 4.0 from all KCS products (TC/LINK-FI and TC/SOAP), because MSXML 4.0 is no longer supported by Microsoft due to security issues. (866521)

Removed MSXML 4.0 dependency from TC/LINK-FI and TC/SOAP

Removed dependency of MSXML 4.0 for TC/LINK-FI and TC/SOAP, because MSXML 4.0 is no longer supported by Microsoft due to security issues. (865647)

Attachments lost issue in TC/LINK-LN

In TC/LINK-LN, attachments were lost when returning notes message from TCOSS to Lotus Notes. (862494)

Long filename of attachment issue

In TC/MIME, long filename of attachment was not decoded properly, resulted in a conversion error. (841529)

Throughput issue in TC/LINK-MD

If a single message had many recipients, throughput with TC/LINK-MD was not good. (841094)

Missing documentation for TOPs version

TC/LINK-MD manual did not mention that a TOPs license key for TOPs version 6.x was also valid when installing version 7.x of the TOPs SDK. (840795)

TOPs version in TC/LINK-MD manual

TOPs version for KCS 10.1 was missing in KCS 10.1 TC/LINK-MD manual. (840775)

Excel files conversion issue

KFXConverter did not convert some .XLSX / Excel files. (840770)

Corrupt LS1 image

After changing IP via RLA and restarting, LS1 image and configuration got corrupted. (839045)

Throughput issue in TC/LINK-MD

If a single message had many recipients, throughput with TC/LINK-MD was not good. (834617)

Missing registry key in documentation

New registry key `IncludeNotesAttachments` was not documented in TC/LINK-LN manual. (833537)

Configurable options missing

Configurable options were missing for subject and originator in the rules screen. (833131)

Message truncate issue

In TC/LINK-WM, when `GSMConcatenate` was enabled, messages with special characters truncated. (830881)

Recipient issue in Capture Connector

In Kofax Capture Connector Rules, recipient List displayed queue user instead of original recipient. (808608)

Documentation missing in TCReport Tech manual

Support for SQL Server/SQL Express 2016 and Windows Server 2016 was not mentioned in TC/REPORT Tech manual. (776396)

Incorrect conversion issue

Word file with special character set converted incorrectly with TCDCLINK. (769701)

TCSI function issue

TCSI function ohh_b_sax_getW returned invalid end-of-line code 0x0e. (767768)

Missing registry key description

Registry value was not described in the TC/LINK manual. (767439)

Text attachment as inline content issue

Text attachments were received as inline content (mail-body). (766284)

TCI alternative issue

TC/LINK did not create TCI alternative when no Content-Disposition was specified in MIME part of an email. (766052)

Japanese environment issue

KCC installation stopped abruptly in Japanese environment. (761504)

KfxConverter issue

KfxConverter recalculated the fields resulting in change of contents for specific documents. (761305)

Message wait off event issue

In TC/MWA-MX, message wait off (MWOFF) events were not triggered correctly. (761158)

Temporary files deletion issue

KCS Capture Connector did not delete temporary folders such as, C:\Windows\Temp\KCS Capture Connector_I_0_C_2_M_0_A_0. (761054)

Exchange 2016 support in documentation

TC/LINK-MX7 manual did not mention the support for Exchange 2016. (758862)

Incorrect registry path in Platform manual

Registry path mentioned for "RegistryEncryption" key was incorrect. (755349)

Information loss issue

When a notification was processed by TC/LINK, information from the Response field (ts_last_mda_note) was lost and replaced by a standard error text. (752120)

Incorrect syntax in KCS Monitoring

When creating/updating the KCS Monitoring database, the `Incorrect syntax near '.'` error was displayed. (750489)

V.21 signal detection issue

V.21 signal detection with LS1 datapump was not good as compared to the datapump used by FoIP. (746115)

Asian character conversion issue

Some Asian characters were not converted to ISO-2022-JP. (745813)

Exchange 2016 supported for TC/MWA-MX issue

Support for Exchange Server 2016 was not added to TC/MWA-MX. (745283)

KCS Portal: Order of applications different from KCS Monitor

KCS Portal showed applications in a different order when compared with KCS Monitor. (745276)

Fetch agent issue

In TC/Report, after desynchronized status of TCROSS, Fetch agent retrieved data starting with oldest again resulting in duplicate entries. (734068)

Filtering not working

In TC/Web, in Archive folder, filtering (using wildcards) did not work correctly. (732656)

HTML file conversion issue

HTML file conversion with KFXConverter did not keep the column formats correctly. (723328)

TCLINK-SC issue

TC/LINK-SC failed to start reporting the error "Open file 'saprfc.ini' failed: 'No such file or directory'". (710975)

RTF Covers not working

If TCROSS was not installed on the C: drive, RTF Covers did not work. (705171)

TCLINK-MX7 failover issue

If the first Exchange Hubserver is put to Maintenance mode, TC/LINK-MX7 did not fail over to the second MS Exchange Hubserver. (694826)

OpenSSL vulnerability issue

Cross-protocol attack risk on TLS using SSLv2 (DROWN) vulnerability. (693412)

KCS UCP Protocol issue

TC/LINK-MD with KCS UCP Protocol did not start after migrating to KCS 10.0.1 and reported an "SMSC answer timeout during authentication" error. (690842)

Inline images lost in email body

Inline images in email body were lost at the exception queue. (682543)

Wrapped text in Excel issue

KFXConverter did not handle or crop the wrapped text in an Excel cell. (681700)

KFXConverter stops abruptly

KFXConverter stopped abruptly with some .DOCX files. (665216)

Installation issue

A rerun of the KCS setup did not really check if all needed files were existing. (656276)

Missing Umlaut characters

If an inbound e-mail message was received without Content-Type and character set in the Mime header, Umlaut characters like ü were missing. (643833)

VRSSetup Issue

If the KCS Setup was started second time, VRSSetup executed once and failed to execute. (633175)

TCfW issue

When rerouting several inbound FAX messages from the TCfW Inbox, fatal TCSI Error Operation completed successfully reported. (624566)

KCC installation issue

KCC installation checked for the presence of ASP .NET 4.0. (619257)

Logo with black background

Logo displayed black background when converting doc file with KFXConverter. (584155)

Vulnerability risk for LS1V2 RLA

LS1V2 RLA was vulnerable to CSRF attacks (Cross-site request forgery). (550163)

TC/MRM issue

TC/MRM frequently reported the error "ID:32750 TC/MRM Error: Update failed; Open SET_FOLDER_DISPLAY returned 613" and shuts down. (490887)

Chapter 6

Known issues

This section contains information about potential issues that you could encounter while using Kofax Communication Server.

KCS Portal upgrade issue

KCS Portal application installed along with Kofax Communication Server 10.1 is not upgrading with Kofax Communication Server 10.1.1 installation. (966018)

Workaround: Do the following:

1. Make a copy of kcsportal folder (from the ISO) in a separate folder.
2. Open Command Prompt with Administrator privilege and change directory to the copied kcsportal folder path.
3. Execute the following command: `msiexec /i kcsportal.msi REINSTALLMODE=amus.`
4. Verify that the KCS Portal application is running.

Issue when installing multiple Links simultaneously from ISO

During Kofax Communication Server 10.1.1 setup started from ISO, if multiple Links are selected, installation may fail. (966007)

Workaround 1: Run setup separately for each Link, that is, select only one TC/Link application during one setup session.

Workaround 2: Run Kofax Communication Server setup from a drive for which user has write permissions.

Setup does not update KCSPortalWebConfig.xml

At the time of upgrading KCS Portal, the set up does not update the KCSPortalWebConfig.xml file. As a consequence, any newly added configuration parameters are not available in this file. (964513)

Workaround: If you have modified the KCSPortalWebConfig.xml file installed with the previous release, do the following:

1. Before upgrading KCS Portal, back up the existing KCSPortalWebConfig.xml file.

2. Delete the existing file from the installed directory.
3. Upgrade KCS Portal.
4. Merge your changes from the back up file with the new file installed with the upgrade.

TC/Web: Autologon issue on Windows Server 2012 R2

TCWEB: Autologon not working on Windows 2012 R2 when installed on different machine than TCOSS. (746879)

Issues with Logout button in KCS Portal

Issue with "Logout" button with Windows authentication in KCS WebClient. (700578)

TCfW: Errors when login

After TCfW update from 10.0 to 10.0.1, some error pop-ups appear after logging into TCOSS. (624776)

This issue may happen rarely.

Workaround: Cancel all the error messages. TCfW will start normally.

TCfW: Some Japanese characters are replaced with question marks

In Japanese TCfW, some Japanese characters are replaced with question marks in all fields. (587573)

TCOSS: Downgrade to KCS 10.0.0

WConfig of Kofax Communication Server 9.2.0 or Kofax Communication Server 10.0.0 cannot install a configuration locally to a file structure, which already was used with KCS 10.0.1 or later. The layout of the config file ASYSCONFCCCC changed. As a consequence, a downgrade from Kofax Communication Server 10.0 to Kofax Communication Server 9.2 or Kofax Communication Server 10.0.1 to Kofax Communication Server 10.0.0 is not possible without additional actions. (551344)

Workaround: Delete the file +TECH/ASYSCONFCCCC:

1. Open a command prompt on the KCS server.
2. Go to `C:\TCOSS\SYSTEM\`.
3. Run the command `tcdel +TECH/ASYSCONFCCCC`.

Reply is: "1 Files deleted, 441 Bytes freed".

4. Close the command prompt.

TC/Web: Message count missing in Inbox / Outbox

TC/Web no longer displays the message count if you filter messages with the status "New and Read". (319699)

KCS EasyConfig update

If you upgrade an older KCS deployed via EasyConfig to the latest release, you must start the KCS EasyConfig tool and redeploy the configuration. (SPR00104109)

1. Upgrade to the latest KCS release by starting EasySetup.exe from the installation ISO.
2. Start the KCS EasyConfig tool from the Kofax Communication Server program group on the Windows Start menu. EasyConfig informs you that the current configuration has been modified.
3. Click **Deploy**.
4. Select to deploy All. Click **OK**. Wait until the configuration is updated.
5. Perform the actions listed in the deployment log (for example, you might need to restart certain KCS components). Click **Close**.

Document Conversion: Text alternative not Unicode

When you are using TWS or TC/LINK document conversion for Word or Excel documents with Unicode characters, the text alternative is not Unicode. (318605, SPR00121081)

EasyConfig: Service name length not restricted

In EasyConfig, if you are using non-English characters, such as Japanese symbols, it is possible to configure longer service names than what can be saved correctly. (318364, SPR00113538)

Note The service names can be only 8 bytes long. Japanese symbols require up to 3 bytes per symbol, therefore, only 2 symbols are possible.

TCfW: Closing application while minimized

Closing the TCfW Communication Server Client from the taskbar while the application window is minimized can last multiple seconds. (320366, SPR00176265)

Workaround: Close TCfW while its window is displayed to avoid the delay.

TCfW: Erratic mouse scrolling

Using the mouse wheel to scroll through the inbox or outbox of TCfW Communication Server Client produces erratic results. (320536, SPR00176327)

Workaround: Use the scroll bar or keyboard for scrolling.

TCfW: Image preview and right-to-left script

In TCfW, the image preview is always aligned to the left. Text blocks which have right-to-left order activated correctly align to the right side in text mode. However, the image preview is not correct, the text blocks align to the left. (320628, SPR00122502)

TCfW: Opening RTF attachments occasionally fails

Opening RTF attachments in TCfW sometimes fails with the error: `The process cannot access the file because it is being used by another process.` Another attempt to open the attachment succeeds without any errors. (320488, SPR00120108)

Workaround: Do not use Microsoft OLE control for displaying and editing attachments. Add the extension RTF to the registry value `HKxx\SOFTWARE\TOPCALL\TCFW\WorkStation\ShellExecuteExtensions`.

TCfW: PDF attachments on Windows 8

In TCfW Communication Server Client installed on Windows 8, by default, PDF attachments are opened with the built-in PDF viewer. Closing the PDF document does not close the OLE link of the message.

Workaround: Use an external PDF viewer, not the built-in one.

Chapter 7

Modules overview

This section lists the modules included in this release of Kofax Communication Server. The internal version number (appears as file version) is 8.6.0.2485, where “2485” is the package build number.

Note This list does not include the Windows components or third-party components which are installed with the Kofax Communication Server installation.

KCS and KCS Clients software modules

| File name | File size (in bytes) | File version |
|------------------------|----------------------|--------------|
| acconfig.dll | 24576 | 7.00.350.0 |
| aclcls.dll | 8704 | |
| axinterop.kviewlib.dll | 49152 | 3.0.0.0 |
| btrc.exe | 148992 | 8.6.0.2485 |
| caplib4.dll | 155648 | 5.00.0003 |
| ClearRegVrs.exe | 49152 | |
| ctc.exe | 36864 | 8.6.0.2485 |
| EasySetup.exe | 1190400 | 8.6.0.2485 |
| ec.exe | 351232 | 8.6.0.2485 |
| ec.interop.tcsi32.dll | 54784 | 1.02.00.0 |
| eeh2.dll | 1484288 | 1.15.0.2 |
| exitemailheader.dll | 396288 | 8.6.0.2485 |
| exitson.dll | 9728 | 8.6.0.2485 |
| fail_over_setup.exe | 27648 | 1.01.00 |
| fetchworkstations.exe | 86528 | 8.6.0.2485 |
| file2mq.exe | 68608 | 8.6.0.2485 |
| foip.exe | 18423716 | 1.21 |
| FoIP_Converter.exe | 146432 | 8.6.0.2485 |
| FoIP_FaxMain.exe | 146432 | 8.6.0.2485 |
| FoIP_Fx7.exe | 146432 | 8.6.0.2485 |
| FoIP_H323.exe | 146432 | 8.6.0.2485 |

| File name | File size (in bytes) | File version |
|---------------------------------|----------------------|--------------|
| FoIP_Http.exe | 146432 | 8.6.0.2485 |
| FoIP_Master.exe | 1336832 | 8.6.0.2485 |
| FoIP_MasterTcsv.exe | 1326592 | 8.6.0.2485 |
| FoIP_SIP.exe | 146432 | 8.6.0.2485 |
| FoIP_Store.exe | 146432 | 8.6.0.2485 |
| FoIP_T30.exe | 146432 | 8.6.0.2485 |
| FoIP_Tsl.exe | 146432 | 8.6.0.2485 |
| FoIP_Voice.exe | 146432 | 8.6.0.2485 |
| image18.img | 6142630 | |
| ImageToTiff.exe | 563712 | 8.6.0.2485 |
| InstTemplate.exe | 65536 | 8.6.0.2485 |
| Interop.AscentRelease.dll | 110592 | 1.0.0.0 |
| interop.imageservicelib.dll | 32768 | 1.0.0.0 |
| interop.kviewlib.dll | 77824 | 3.0.0.0 |
| interop.shell32.dll | 53248 | 1.0.0.0 |
| interop.tcipc.dll | 12800 | 1.0.0.0 |
| interop.tcipc.kcsbackup.dll | 13312 | 1.0.0.0 |
| Interop.TCLNG.dll | 5120 | 13.0.0.0 |
| interop.tcrpc.dll | 10240 | 1.01.02.0 |
| interop.tcsi32.dll | 54784 | 1.02.00.0 |
| Interop.TFC.dll | 139264 | 1.0.0.0 |
| ipprinter.exe | 8170671 | 1.21 |
| KCS_Environment.dll | 237056 | 1.37.05.0 |
| kcsbackup.exe | 581120 | 8.6.0.2485 |
| kcsbackupipc.dll | 14848 | 8.6.0.2485 |
| kcsbackupresources.dll | 116736 | 8.6.0.2485 |
| kcsbackupshared.dll | 166400 | 8.6.0.2485 |
| kcsbackupsrv.exe | 109056 | 8.6.0.2485 |
| kcsbackuputils.dll | 30720 | 8.6.0.2485 |
| kcsbackupwizardcontrol.dll | 36864 | 8.6.0.2485 |
| kcsimportconnectorconfigexe.exe | 5632 | 8.6.0.2485 |
| kcslynclinkutil.dll | 10752 | 8.6.0.2485 |
| kcslynclinkx64.exe | 99328 | 8.6.0.2485 |
| kcslynclinkx86.exe | 55808 | 8.6.0.2485 |

| File name | File size (in bytes) | File version |
|---|----------------------|--------------------------|
| kcslynclinkx86ipc.dll | 631296 | 8.6.0.2485 |
| kcslynclinkx86ipc.xmlserializers.dll | 942080 | 8.6.0.2485 |
| KCSMonitoringAdmin.exe | 392704 | 8.6.0.2485 |
| KCSMonitoringConfig.exe | 97792 | 8.6.0.2485 |
| kcsmonsetup.exe | 383488 | 9.0.30729.1 built by: SP |
| kcsunicodecheck.exe | 15872 | |
| kdb310.dll | 12800 | |
| kfxconverter.exe | 130560 | 8.6.0.2485 |
| kfxhelper.dll | 28672 | 1.00.0001 |
| khlpfind.dll | 40960 | 6.10.135 |
| kofax.acfaxshare.dll | 57344 | 1.0.0.0 |
| kofax.aclicdefslib.interop.dll | 32768 | 1.0.0.0 |
| kofax.aclicimplib.interop.dll | 11776 | 1.0.0.0 |
| kofax.ascentcaptureadminmod.interop.dll | 143360 | 2.10.0.0 |
| kofax.ascentcapturemodule.interop.dll | 167936 | 1.12.0.0 |
| kofax.kacui.interop.dll | 77824 | 1.0.0.0 |
| kofax.kcs.kcimport.exe | 489472 | 8.6.0.2485 |
| kofax.kcs.kcimportconfig.dll | 2015232 | 8.6.0.2485 |
| kofax.kcs.kcimportconfig.resources.de.dll | 125440 | 8.6.0.2485 |
| kofax.kcs.kcimportconfig.resources.es.dll | 126976 | 8.6.0.2485 |
| kofax.kcs.kcimportconfig.resources.fr.dll | 131072 | 8.6.0.2485 |
| kofax.kcs.kcimportconfig.resources.it.dll | 125952 | 8.6.0.2485 |
| kofax.kcs.kcimportconfig.resources.ja.dll | 140800 | 8.6.0.2485 |
| kofax.kcs.kcimportconfig.resources.pt-br.dll | 127488 | 8.6.0.2485 |
| kofax.kcs.kcimportconfig.resources.ru.dll | 163328 | 8.6.0.2485 |
| kofax.kcs.kcimportconfig.resources.zh-chs.dll | 112128 | 8.6.0.2485 |
| kofax.kcs.kcimportscripting.dll | 27648 | 8.6.0.2485 |
| kofax.kcs.kcnotification.dll | 82432 | 8.6.0.2485 |
| kofax.kcs.kcrelease.dll | 551424 | 8.6.0.2485 |
| kofax.kcs.kcrelease.resources.de.dll | 28672 | 8.6.0.2485 |
| kofax.kcs.kcrelease.resources.es.dll | 28672 | 8.6.0.2485 |
| kofax.kcs.kcrelease.resources.fr.dll | 28672 | 8.6.0.2485 |
| kofax.kcs.kcrelease.resources.it.dll | 28672 | 8.6.0.2485 |
| kofax.kcs.kcrelease.resources.ja.dll | 28672 | 8.6.0.2485 |

| File name | File size (in bytes) | File version |
|---|----------------------|--------------|
| kofax.kcs.kcrelease.resources.pt-br.dll | 28672 | 8.6.0.2485 |
| kofax.kcs.kcrelease.resources.ru.dll | 19456 | 8.6.0.2485 |
| kofax.kcs.kcrelease.resources.zh-chs.dll | 28672 | 8.6.0.2485 |
| Kofax.KCS.Monitoring.Util.dll | 11776 | 1.00.05.0 |
| Kofax.KCS.Portal.DataLib.dll | 30720 | 10.1.1.2485 |
| Kofax.KCS.Portal.EnvironmentLib.dll | 191488 | 10.1.1.2485 |
| Kofax.KCS.Portal.Web.dll | 268800 | 10.1.1.2485 |
| Kofax.KCS.Portal.Web.resources.dll | 49152 | 10.1.1.2485 |
| Kofax.KCS.Portal.Web.resources.dll | 49664 | 10.1.1.2485 |
| Kofax.KCS.Portal.Web.resources.dll | 50176 | 10.1.1.2485 |
| Kofax.KCS.Portal.Web.resources.dll | 51712 | 10.1.1.2485 |
| Kofax.KCS.Portal.Web.resources.dll | 55296 | 10.1.1.2485 |
| Kofax.KCS.Portal.Web.resources.dll | 47616 | 10.1.1.2485 |
| Kofax.KCS.Portal.WMI.Applications.Service.exe | 9216 | 10.1.1.2485 |
| Kofax.KCS.Portal.WMI.ApplicationsLib.dll | 35328 | 10.1.1.2485 |
| Kofax.KCS.Portal.WMI.KCS.Service.exe | 8704 | 10.1.1.2485 |
| Kofax.KCS.Portal.WMI.KCSLib.dll | 66048 | 10.1.1.2485 |
| kofax.kfxhelper.interop.dll | 8192 | 5.0.0.0 |
| kofax.kfxvariables.interop.dll | 11776 | 1.2.0.0 |
| kofax.releaselib.interop.dll | 26443 | |
| KPIService.exe | 11264 | 1.38.01.0 |
| licences.exe | 110592 | 2.03.0006 |
| linksetuptool.exe | 14848 | 8.6.0.2485 |
| logger.dll | 6656 | 1.00.04.0 |
| LogWinEvent.exe | 35840 | 8.6.0.2485 |
| ls1trace.exe | 64512 | 8.6.0.2485 |
| lsd.exe | 152064 | |
| makemba.exe | 36864 | 8.6.0.2485 |
| mibmaker.exe | 79360 | 8.6.0.2485 |
| mkbapixml.exe | 90112 | 8.6.0.2485 |
| mkbapixml2.exe | 106496 | 8.6.0.2485 |
| mkloadertab.exe | 101376 | 8.6.0.2485 |
| mq2file.exe | 17408 | 8.6.0.2485 |
| notesini.exe | 57344 | 1.00.03 |

| File name | File size (in bytes) | File version |
|-------------------------|----------------------|----------------------------|
| objectty.dll | 42896 | 1.1 (Build 692) |
| PatchVRS.EXE | 2548379 | 5.1.353 |
| pdflib4.dll | 270336 | 5.00.0003 |
| printer.exe | 73216 | 8.6.0.2485 |
| printrtf.dll | 28672 | 1.03.02 |
| probesetuphelper.dll | 143360 | 8.06.2485 |
| proxy_3.dll | 13312 | 4.1 |
| proxy_a.dll | 17408 | 4.0 |
| regascsc.exe | 4608 | 1.0.0.0 |
| rpcdce4.dll | 2832 | |
| rulecls.dll | 105984 | |
| RunAsAdmin.exe | 57344 | 1, 0, 1, 0 |
| scaddon.dll | 77824 | 2.00.00 |
| Setup.exe | 1191936 | 8.6.0.2485 |
| setup.exe | 424960 | 12.0.21005.1 built by: REL |
| setup.exe | 54784 | 10.1.2485 |
| SharedConfiguration.dll | 16896 | 1.03.00.0 |
| smsapi.dll | 169728 | 1.1 (Build 692) |
| snmp_config.exe | 151552 | 8.06.2485 |
| soapproc.dll | 48128 | 8.6.0.2485 |
| spi_ews.dll | 136704 | 10.1.1.2485 |
| tc_ole.exe | 15872 | 8.6.0.2485 |
| tc15tool.exe | 1052672 | 1.5.6.0 |
| tc18.elf | 793276 | |
| tc18dsp.bin | 1413456 | |
| TCADUTIL.EXE | 65536 | 8.6.0.2485 |
| tcarch.exe | 237568 | 8.6.0.2485 |
| tcarchtool.exe | 109056 | 8.6.0.2485 |
| tcat2url.dll | 32768 | 8.6.0.2485 |
| tcatt32.exe | 299008 | 4.04.0003 |
| tccas40.exe | 124216 | |
| tccasip.exe | 150112 | |
| tccopy.exe | 10752 | 8.6.0.2485 |
| tccpunr.exe | 34304 | 8.6.0.2485 |

| File name | File size (in bytes) | File version |
|--------------------|----------------------|--------------|
| tcdc.exe | 126464 | 8.6.0.2485 |
| tcdc32.dll | 165888 | 8.6.0.2485 |
| tcdcexe.exe | 22528 | 8.6.0.2485 |
| tcdckey.dll | 105472 | 8.6.0.2485 |
| tcdconn.exe | 28672 | 1, 0, 0, 1 |
| tcdctest.exe | 10752 | 8.6.0.2485 |
| tcdi40.dll | 863232 | 3.03.30 |
| tcdi40.dll | 288256 | 3.03.30 |
| tcdi464.dll | 288256 | 3.03.30 |
| tcdim64.dll | 991744 | 3.03.30 |
| tcdimcl.dll | 98304 | 8.6.0.2485 |
| tcdimon.dll | 1403904 | 3.03.30 |
| tcdimon.dll | 991744 | 3.03.30 |
| tcdiu64.dll | 304128 | 3.03.30 |
| tcdiui.dll | 879104 | 3.03.30 |
| tcdiui.dll | 304128 | 3.03.30 |
| tcdel.exe | 9216 | 8.6.0.2485 |
| tcdir.exe | 9216 | 8.6.0.2485 |
| tcdisk.exe | 122368 | 8.6.0.2485 |
| TCDISKtest.exe | 45056 | 8.6.0.2485 |
| tcdistmf.dll | 335946 | 8.06.2485 |
| tcdownloadfile.dll | 8192 | 8.6.0.2485 |
| tce_file.dll | 21504 | 8.6.0.2485 |
| tce_host.dll | 74752 | 8.6.0.2485 |
| tce_ls1.dll | 137216 | 8.6.0.2485 |
| tce_rem.dll | 116736 | 8.6.0.2485 |
| tce_res.dll | 223744 | 8.6.0.2485 |
| tce_snd.dll | 40448 | 8.6.0.2485 |
| tcecp.exe | 126464 | 8.6.0.2485 |
| tcengine.dll | 48640 | 8.6.0.2485 |
| tcexists.exe | 36864 | 1.00.00 |
| tcfetch.exe | 73728 | 8.06.2485 |
| tcfillbrk.exe | 86016 | 7.11.00 |
| tcft.exe | 32768 | 8.6.0.2485 |

| File name | File size (in bytes) | File version |
|-----------------|----------------------|--------------|
| tcfw.exe | 4767744 | 8.06.2485 |
| tcfwlib.dll | 45056 | 1, 0, 0, 1 |
| tcfwlibu.dll | 45056 | 1, 0, 0, 1 |
| tcfxvw32.exe | 172032 | 8.06.2485 |
| tcgendep.dll | 49664 | 8.6.0.2485 |
| tcgendep.exe | 11776 | 8.6.0.2485 |
| tcimap.dll | 151552 | 7.28.01 |
| tcimg32.dll | 512000 | 8.6.0.2485 |
| tcinst.dll | 53248 | 1.00.0005 |
| tcipc.dll | 68096 | 8.6.0.2485 |
| tcipmask.dll | 81920 | 1.0.4 |
| tcjoke.exe | 98816 | 8.6.0.2485 |
| tclad.dll | 52224 | 8.6.0.2485 |
| tcladmin.dll | 47616 | 1, 0, 0, 3 |
| tclanprt.exe | 150528 | 8.6.0.2485 |
| tclaunch.exe | 54784 | 8.6.0.2485 |
| tcldap.dll | 45056 | 7.28.02 |
| TCLDAP_S.EXE | 9216 | 8.6.0.2485 |
| tcldif.dll | 43008 | 8.6.0.2485 |
| tclfi.dll | 264192 | 8.6.0.2485 |
| tclib32.dll | 842752 | 8.6.0.2485 |
| tcliconv.dll | 73728 | 7.26.01 |
| tclink.exe | 475648 | 8.6.0.2485 |
| tclinkrs.dll | 83456 | 8.6.0.2485 |
| tclln.dll | 326144 | 8.6.0.2485 |
| tclmd.dll | 408064 | 8.6.0.2485 |
| tclmq.dll | 296448 | 8.6.0.2485 |
| TCLNApi.dll | 53248 | |
| tclng.dll | 61440 | 8.06.2485 |
| tclngapi.dll | 28672 | 1.00.00 |
| tclsc.dll | 114688 | 2.06.01 |
| tclsi.dll | 232960 | 8.6.0.2485 |
| tclsi_batch.exe | 81920 | 8.6.0.2485 |
| tclsj.dll | 235008 | 8.6.0.2485 |

| File name | File size (in bytes) | File version |
|------------------|----------------------|--------------|
| tclsm.dll | 1223168 | 8.6.0.2485 |
| tclx.dll | 226304 | 8.6.0.2485 |
| tclx4.dll | 409600 | 1.13.05 |
| tclxe2k.exe | 146944 | 8.6.0.2485 |
| tclxnst1.exe | 77824 | 2.04.05 |
| tcmail.dll | 106496 | 2.02.00 |
| tcmapi32.dll | 21504 | 2.05.05 |
| tcmc.exe | 69704 | 8.06.2485 |
| tcmfp.dll | 77824 | 8.6.0.2485 |
| tcmime.dll | 1131008 | 8.6.0.2485 |
| tcmime1.dll | 82944 | 1.10.00 |
| tcmon32.exe | 147456 | 8.6.0.2485 |
| tcmsg.dll | 326144 | 8.6.0.2485 |
| tcmwa_ews.dll | 77824 | 8.6.0.2485 |
| tcmwamx.exe | 113664 | 8.6.0.2485 |
| tcmwamx_ews.exe | 102912 | 8.6.0.2485 |
| tcmwamx2.dll | 1671168 | 8.6.0.2485 |
| tcmwamx64.dll | 2274816 | 8.6.0.2485 |
| tcmwxe2k.exe | 63488 | 8.6.0.2485 |
| tcnet32.dll | 54784 | 3.05.00 |
| tcnetwh.dll | 86528 | 8.6.0.2485 |
| tcnotif.dll | 77824 | 8.6.0.2485 |
| tcocrmf.dll | 58880 | 8.6.0.2485 |
| tcoss.exe | 1144320 | 8.6.0.2485 |
| tcpdf.dll | 185344 | 8.6.0.2485 |
| tcperflog.exe | 40960 | 8.6.0.2485 |
| tcplayer.exe | 57344 | 4.09.0001 |
| tcplugindata.dll | 40960 | 8.6.0.2485 |
| tcpmeter.exe | 899584 | 2.1.4.0 |
| tcpmetereval.exe | 1063424 | 2.1.4.0 |
| tcpop3.dll | 32768 | 7.28.02 |
| tcprep.dll | 188416 | 1.03.04 |
| tcprobe.exe | 134144 | 8.6.0.2485 |
| tcprobesetup.exe | 151552 | 8.06.2485 |

| File name | File size (in bytes) | File version |
|---------------------|----------------------|--------------|
| tcpwd.dll | 49152 | 8.6.0.2485 |
| tcregsvr.exe | 117760 | 8.6.0.2485 |
| tcregsvr64.exe | 131584 | 8.6.0.2485 |
| tcrelagt.exe | 29184 | 2.10.00 |
| tcreleaseconfig.exe | 357376 | 8.6.0.2485 |
| tcreleasectrl.dll | 803840 | 8.6.0.2485 |
| tcreleasetest.exe | 6144 | 8.6.0.2485 |
| tcrenreg.exe | 74240 | 8.6.0.2485 |
| tcreport.dll | 1064960 | 8.06.2485 |
| tcreport.exe | 61440 | 8.06.2485 |
| tcremf.dll | 85504 | 8.6.0.2485 |
| tcreolv.exe | 25600 | 8.6.0.2485 |
| tcreolvev.exe | 31232 | 8.6.0.2485 |
| tcroute.dll | 39936 | 8.6.0.2485 |
| tcrpc32.dll | 90112 | 8.6.0.2485 |
| tcrpcwrapper.dll | 51200 | 1.30.05 |
| tcrpstup.exe | 540672 | 8.06.2485 |
| tcrtdll | 195072 | 8.6.0.2485 |
| tcrtdf.dll | 106496 | 8.6.0.2485 |
| tcsmap.dll | 77824 | 1.07 |
| tcsmap.dll | 17920 | 8.6.0.2485 |
| tcsi32.dll | 411136 | 8.6.0.2485 |
| tcsleep.dll | 45056 | 8.6.0.2485 |
| tcsnmp.dll | 59904 | 8.6.0.2485 |
| tcssoap.exe | 1058816 | 8.6.0.2485 |
| tcssoapms.dll | 17408 | 8.6.0.2485 |
| tcspln.dll | 180224 | 1.03.03 |
| tcsplmx.dll | 186368 | 8.6.0.2485 |
| tcsplmx_ews.dll | 228864 | 8.6.0.2485 |
| tcsrv.exe | 108544 | 8.6.0.2485 |
| tcsstatus.exe | 57344 | 8.6.0.2485 |
| tcstm.dll | 204800 | 8.06.2485 |
| TCSTPEDT.EXE | 376832 | 2.14.0001 |
| tcsx.dll | 65536 | 7.28.02 |

| File name | File size (in bytes) | File version |
|--------------------|----------------------|--------------|
| tcsx.exe | 20480 | 7.28.02 |
| tcti32.dll | 168960 | 8.6.0.2485 |
| tctool.dll | 24576 | 1.00 |
| TCTRANS.EXE | 118784 | 1.03.0002 |
| tcuas.exe | 11776 | 8.6.0.2485 |
| tcusertool.exe | 69632 | 8.6.0.2485 |
| tcv12logfile.dll | 46080 | 8.6.0.2485 |
| tcv12logtcoss.dll | 44544 | 8.6.0.2485 |
| tcv12polltcoss.dll | 693248 | 8.6.0.2485 |
| tcv12response.dll | 24064 | 8.6.0.2485 |
| tcvlatransform.dll | 824832 | 8.6.0.2485 |
| tcvlink2.dll | 605696 | 8.6.0.2485 |
| tcvmail.dll | 745472 | 8.06.2485 |
| tcvmext.dll | 49152 | 8.6.0.2485 |
| tcvp2g.dll | 23552 | 8.6.0.2485 |
| tcvredirect.dll | 37888 | 8.6.0.2485 |
| tcvscheduler.dll | 57344 | 8.6.0.2485 |
| tcvxiclient.dll | 208384 | 8.6.0.2485 |
| tcvxmailboxdet.dll | 20992 | 8.6.0.2485 |
| tcvxiobject.dll | 14848 | 8.6.0.2485 |
| tcvxiprompt.dll | 138752 | 8.6.0.2485 |
| tcvxipec.dll | 722432 | 8.6.0.2485 |
| tcvxitel.dll | 98304 | 8.6.0.2485 |
| tcwebac.dll | 131072 | 8.6.0.2485 |
| tcwebdotnet.exe | 6502711 | 4.42 |
| tfc.dll | 1246720 | 8.6.0.2485 |
| tfc32.dll | 352768 | 1.01.01 |
| tfclib.dll | 49152 | 8.6.0.2485 |
| tnApp1.exe | 1326592 | 8.6.0.2485 |
| TNC_Converter.dll | 1335296 | 8.6.0.2485 |
| TNC_DocConv.dll | 1545216 | 8.6.0.2485 |
| TNC_FaxMain.dll | 1294336 | 8.6.0.2485 |
| TNC_File.dll | 1302528 | 8.6.0.2485 |
| TNC_Fx7.dll | 1628672 | 8.6.0.2485 |

| File name | File size (in bytes) | File version |
|--------------------------|----------------------|--------------|
| TNC_H323.dll | 1295872 | 8.6.0.2485 |
| TNC_Http.dll | 1862656 | 8.6.0.2485 |
| TNC_Imageio.dll | 1154048 | 8.6.0.2485 |
| TNC_Ipp.dll | 1649152 | 8.6.0.2485 |
| TNC_Sip.dll | 1974272 | 8.6.0.2485 |
| TNC_Store.dll | 1255936 | 8.6.0.2485 |
| TNC_T30.dll | 1573888 | 8.6.0.2485 |
| TNC_Tcsi.dll | 1178624 | 8.6.0.2485 |
| tnc_tnef.dll | 1305088 | 8.6.0.2485 |
| TNC_Tsl.dll | 1185280 | 8.6.0.2485 |
| TNC_Voice.dll | 1413632 | 8.6.0.2485 |
| TNC_Xslt.dll | 1278976 | 8.6.0.2485 |
| tnfdec.dll | 5120 | |
| tnfenc.dll | 5120 | |
| tnMasterTcsrv.exe | 1326592 | 8.6.0.2485 |
| tnMasterWinSrv.exe | 1336832 | 8.6.0.2485 |
| TnSlave.exe | 146432 | 8.6.0.2485 |
| tos32.dll | 24064 | 8.6.0.2485 |
| tp80.dll | 53248 | 8.6.0.2485 |
| tp80test.exe | 19968 | 7.11.06 |
| tplink.sys | 6656 | 7.11.01 |
| twsexec | 106825942 | 1.21 |
| udconfig.exe | 83456 | 8.6.0.2485 |
| UPDTINI.EXE | 18521 | |
| usrdde.dll | 12800 | 8.6.0.2485 |
| usrio.dll | 59904 | 8.6.0.2485 |
| vbperf.dll | 15872 | 8.6.0.2485 |
| VrsSetup.exe | 104408608 | 5.1 |
| vrswizard.exe | 482304 | 8.6.0.2485 |
| wconfig.exe | 242688 | 8.6.0.2485 |
| webhelpkccsfx.exe | 344497 | 4.42 |
| WebHelpSfx.exe | 240549 | 4.42 |
| WebHelpSfx.exe | 861485 | 4.42 |
| WebServiceMonitoring.exe | 51712 | 1.38.01.0 |

| File name | File size (in bytes) | File version |
|------------------------------|-----------------------------|---------------------|
| WMIPProviderApp.dll | 37376 | 1.38.01.0 |
| WMIPProviderApplications.exe | 8704 | 1.38.01.0 |
| WMIPProviderKCS.dll | 69120 | 1.38.01.0 |
| WMIPProviderKCS.exe | 8192 | 1.38.01.0 |
| xml2tc.exe | 49152 | 8.6.0.2485 |
| xmlexit.dll | 47616 | 8.6.0.2485 |
| xmlvalidator.dll | 10752 | 8.6.0.2485 |