

Kofax Communication Server

10.0.0

Release Notes



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About This Release

Version Information

The Kofax Communication Server 10.0.0 release has the following build number, which appears in the About window: 10.0.0.0.0.278.

Test Environment

This release was tested with the following operating systems:

- Windows Server 2012 R2
- Windows Server 2012
- Windows Server 2008 R2 SP1
- Windows Server 2008 SP2
- Windows Server 2003 R2 SP2
- Windows 8.1 (client only)
- Windows 7 SP1 (client only)
- Windows Vista SP2 (client only)

The release was tested with the following third-party software releases:

- Internet Explorer 11
- Internet Explorer 10
- Internet Explorer 9
- Microsoft Office 2013
- Microsoft Office 2010 SP2
- Microsoft Office 2007 SP3
- Lotus Notes 9
- Lotus Notes 8.5.3
- SQL Server Express 2014
- SQL Server Express 2012 SP1
- SQL Server Express 2008 R2 SP2
- Exchange Server 2013 CU1
- Exchange Server 2010 SP3
- Exchange Server 2007 SP3
- SAP 7
- Cisco CallManager 9
- IBM WebSphere MQ 7.5
- IBM WebSphere MQ 8.0

All Microsoft hotfixes released until October 1, 2014, were installed.

New Features

This section lists enhancements that have been added to the product in Kofax Communication Server 10.0.0.

Support for Third-Party Software

The following third-party software is newly supported with Kofax Communication Server 10.0.0:

- Internet Explorer 11 (desktop mode)
- Internet Information Server 8 (TC/Web)
- SQL Server 2014 (supported for TC/Probe, TC/Report)
- IBM MQ 8.0 (supported in TC/LINK-MQ)

Newly supported operating systems:

- Windows Server 2012 R2

Microsoft Lync Integration

Kofax Communication Server can use the KCS Lync Link to connect to Microsoft Lync Server in order to send notifications to Lync users when they receive a new message on KCS. (273305)

The following use cases are supported:

- When the KCS user Rajesh receives a fax message, KCS Lync Link sends an instant message to his Lync account. The fax message is not included.
- When the KCS user Penny receives an SMS, KCS Lync Link forwards her the message in an instant message.
- KCS administrator Howard has an alert configured in his KCS user profile. When the alert is triggered, KCS sends an alert message to Howard's KCS inbox and forwards the message to his Lync account as an instant message, including the original message text.

The instant messages remain active until the Lync users receive them. The KCS Lync Link does not accept any replies from the Lync users.

TC/LINK-RS: New Export Connectors

TC/LINK-RS supports the following new export connectors: (273370)

Export connectors	Supported back end systems
Kofax Export Connector 8.3 R2 for Microsoft SharePoint	Microsoft SharePoint 2013 Microsoft SharePoint 2010 Microsoft Office SharePoint Server 2007

Export connectors	Supported back end systems
Kofax Export Connector 8.0 for Documentum Content Server	EMC Documentum 6.0 EMC Documentum 6.5 EMC Documentum 6.6 EMC Documentum 6.7 EMC Documentum 7.0
Kofax Export Connector 8.0 for OpenText eDocs DM	OpenText eDocs Hummingbird DM/RM 5.2.1 OpenText eDocs Hummingbird DM/RM 5.3
Kofax Export Connector 7.5 for OpenText eDocs DM	OpenText eDocs Hummingbird DM/RM 6.0
Kofax Export Connector 8.2 for IBM FileNet Content Manager	FileNet Content Manager 4.5 FileNet Content Manager 4.5.1 FileNet Content Manager 5.0 FileNet Content Manager 5.1
Kofax Export Connector 1.1.0 for TotalAgility	TotalAgility 5.3 TotalAgility 5.4 TotalAgility 5.5 TotalAgility 6.0 TotalAgility 7.0.2
Kofax Export Connector 1.0.0 for CMIS	Alfresco Cloud (AtomPub) Alfresco On-Premise (AtomPub) EMC Documentum 6.7 (AtomPub) EMC Documentum 7.0 (AtomPub) FileNet Content Manager 5.1 (AtomPub and SOAP) Microsoft SharePoint 2013 (SOAP) Microsoft SharePoint 2010 (AtomPub and SOAP)

See *TC/LINK-RS Technical Manual* for more details.

Dynamic PDF Import (XFA Forms)

Kofax Communication Server can now import PDF documents with dynamic XFA forms. This requires access to Adobe LiveCycle environment.

Note The Adobe LiveCycle product must be acquired through an appropriate Adobe sales channel. Kofax does not ship, install, support, or troubleshoot Adobe LiveCycle. Customers using this feature are responsible for any licensing requirements and maintenance contract and/or agreements required by Adobe or any third party vendor that might be involved.

Document Conversion Improvements

Kofax Communication Server now supports an additional built-in tool for document conversion: Kofax Converter (KFXConverter.exe). It can convert following input formats:

- Microsoft Office documents
- HTML
- PDF

- Email files (MSG and EML)

For each document type, you can configure the conversion tool in the registry key `HKLM\Software\TOPCALL\TCDCLINK\Conversion`.

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

TC/LINK-MQ: Support for IBM WebSphere MQ 8.0

TC/LINK-MQ now supports IBM WebSphere MQ 8.0. The configuration is different to previous releases:

- The configuration file `AMQCLCHL.TAB` is now located in the `ProgramData` folder. The file is created on the MQ Server in the location `C:\ProgramData\IBM\MQ\qmgrs\<QueueManagerName>\@ipcc\`. Copy this file to the MQ Client folder `C:\ProgramData\IBM\MQ`.
- There is a new Queue Manager property “Connection authentication”. By default, it is set to `SYSTEM.DEFAULT.AUTHINFO.IDPWOS` for new queue managers. Provide the correct operating system password.
See *TC/LINK-MQ Technical Manual*.

TCfW: Timestamp Now Displays Seconds

TCfW now displays seconds along with hours and minutes in all timestamps. (329351)

Support of 150 Fax Channels on Virtual Environment

Kofax Communication Server has been successfully tested with 150 fax channels on virtual computers in a tandem environment. (283885)

See *KCS Environment Guide (Platform System Manual)*.

Searching in Inbound Fax Messages

Kofax Communication Server can route inbound fax messages via KCS Capture Connector to Kofax Capture for optical character recognition. The converted messages then return to KCS. As a result, you can now use text search in the fax messages. (284993, 293410)

Fax over IP: Characters in Numbers for SIP Calls

FoIP now supports “U” switch (unrestricted digits) in the fax number to support the characters A, B, C, and D, in addition to digits 0 - 9. The U switch must be placed after all other send switches. It is only supported for SIP calls. (318813)

KCS Capture Connector: Reject Reception Errors

You can now configure KCS Capture Connector to use a new custom script `RejectMsgOnReceptionError.cs` to reject messages with a reception error, such as interrupted faxes. Such messages are no longer imported to Kofax Capture. (318820)

TC/Web Improvements

TC/Web has been improved:

- Per user customizable columns in the main list view (show/hide, reorder, resize) (292244, 292245)
- Inbox and Outbox tools support up to four tabs for views with different filter settings at the same time
- You can now filter for cancelled messages in the Outbox (285735)
- You can now add custom context buttons (285639)
- You can now use PDF viewer instead of Java-based Tiffy viewer to view incoming faxes (306239)
- You can now configure the conversion options of TIF images (318514)

KCS Backup of ASP Systems

KCS Backup has been enhanced to support ASP systems and multiple instances of various KCS components. (354602)

See *KCS Backup Technical Manual*.

IPPrinter: Windows Printer Driver Mode with Japanese Covers

IPPrinter has been enhanced to support Windows Printer driver mode. In addition, it is now possible to generate covers (RTF and text) with Japanese labels. (344300)

Encrypting File System

Encrypting File System (EFS) can be used to encrypt the data files of KCS core (TCOSS) and TC/Archive. (326058)

See *KCS Environment Guide (Platform System Manual)*.

Audit Logging of User Profile Changes

Kofax Communication Server can now log changes to user profiles, for example, permissions or roles. (326059)

TC/LINK: Configurable Retries for Fatal Errors

It is now possible to configure retries even in fatal error situations. (324461)

In the registry value `TOPCALL\FatalErrorRetryMappingFromTC` you can configure break codes for the following five 2-character fatal error codes:

- LI: Wrong address format for originator or passive recipient
- LH: Wrong address format for recipient
- LX: Other error
- LV: Message cannot be delivered to mail recipient
- M1: License limit reached

The registry key is created at TC/LINK startup. The default break code value of all the errors is set to '0' ("LV=0 LX=0 LH=0 LI=0 M1=0")

The break code value can be set from 1 to 5. Based on this value, the message retries are initiated.

Changes in Behavior

This section contains information about the differences in behavior between Kofax Communication Server 10.0.0 and previous releases.

Tandem Improvements

With the improved behavior, Tandem Server now should never go into the desynchronized state at the expense of not running at all in certain error situations. This is the default and the recommended setting. **As a consequence of the new default, the primary master stops automatically if neither the secondary master nor the status agent can be reached.** (318258)

The improvements can be deactivated using a new registry value `HKEY_LOCAL_MACHINE/SOFTWARE/Topcall/TCOSS/RunWithoutStatusAgent`, which must be set identically on both primary and secondary master:

- 0 - Never run without proper quorum (default value)
- 1 - Primary/Secondary master can run stand-alone without status agent

See *Tandem Server Technical Manual* for more details.

TC/LINK-FI Does Not Start - FilesBlackList Full

Read-only files can fill up the registry value `FilesBlackList`. As a result, TC/LINK-FI does not start. (321020)

TC/LINK-FI now creates a registry value `HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\TOPCALL\TCLINKFI\Options\In\ReadOnlyFlagRemove` during its startup. Use this registry value to configure whether read-only files are deleted.

- 1 - Delete read-only files (default value)
- 0 - Do not delete read-only files.

See *TC/LINK-FI Technical Manual* for more details.

Document Converter: Zero-Length Files

For the registry key `KeepEmptyAttachments`, the default value is now 0 - empty attachments are silently ignored.

TCOSS: Outgoing Voice Calls Enabled

For Kofax Communication Server 10 installations, UIF/UFI configuration line 295, position 1 "Outgoing voice calls" is now enabled (01) by default. When upgrading to KCS 10, the value is not modified. (318311)

See *TCOSS Configuration Manual* for more details.

TCOSS: Maximum Number of Registrations

You can now configure the maximum number of registrations in TCOSS system configuration, line 13, position 9 and 10. (363772)

If you use the default value 00 00, the higher of the following two values applies:

- Number of users + 2000
- disk space in GB * 5000, but not more than 500,000.

Upgrade

This chapter contains additional information about upgrading to Kofax Communication Server 9.2.0 or later. Please review these instructions carefully.

- Before upgrading to a new version of KCS, back up your system using KCS Backup (if you own this tool).
- All KCS components installed on a single computer must be updated together; in the following order:
 - 1 Server and link components
 - 2 Client components (TCfW)
- If you intend to use Unicode:
 - 1 Update all your KCS computers to KCS 9.2.0 or later. You don't 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, KCS components older than 9.2.0 are no longer allowed.
- If you are using TC/Web:
 - 1 Update the computer with TCOSS first. Update all KCS components.
 - 2 Update the computer with TC/Web and TC/LINK-SM. Update all KCS components.
 - 3 Update any additional computers with KCS components.
- If you are not using TC/Web, link computers can be upgraded to KCS 10.0.0 even before computer with TCOSS (assuming that TCOSS and link are not on the same computer). For example, you can take advantage of updated TC/LINK-MX7 which supports Exchange 2013 and continue working with TCOSS from KCS 9.1.1.
- Running different KCS versions on two different computers is supported, however, it is not recommended.
- If you are using KCS components from two (or more) releases, you will be asked to update all your KCS components to the latest release (or roll back all KCS components to a single earlier release) before you can request a Critical-On-Demand hotfix patch.
- A release downgrade (rollback to KCS 9.1.1 or earlier) is not possible once Unicode has been activated in TC/Archive or TCOSS. Same applies to TC/Report and TC/Probe databases.

Special configurations:

- **Tandem configuration:** The primary master and the secondary master must always use the same version of KCS. Both must be switched to Unicode simultaneously.
- **ASP configuration:** Only the storage servers need to be updated and switched to Unicode. The media servers which are running remote fax and telex line are not affected by the Unicode feature. Both storage and media servers need to be updated in case that the improved fax header line feature is used.
- **LCR configuration:** The TCOSS nodes of a least cost routing system can be updated 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.

Resolved Issues

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

Vulnerabilities in OpenSSL

- Heartbleed bug - Kofax Communication Server uses OpenSSL version vulnerable to the Heartbleed bug. (323524)
- POODLE attack - Kofax Communication Server affected by POODLE issue, OpenSSL 1.0.1i and lower. (540663)

New registry keys allow you to configure the behavior:

- `SOAPPROC\SkipRootCertCheck` (default 0)
- `TCLSM\SslContextOptions` (default 0x03000004)
- `SOAPPROC\SslContextOptions` (default 0x03000004)

See *TC/SOAP Technical Manual* and *TC/LINK-SM/TC/LINK-OC Technical Manual* for more details.

TC/LINK Does Not Resolve ++CVR Directive

After upgrading to Unicode, the TC/LINK no longer resolves ++CVR directives. (317900)

TC/LINK-SM: PDF Attachments With Umlauts in the Name

PDF attachments with Umlauts in the name are presented as .DAT files in the recipients Inbox. (322167)

TC/LINK-SM can be configured to use RFC2231 encoding in order to understand such files correctly. This behavior is controlled by a new registry key `UseRfc2231`:

- 1 - RFC2231 encoding is enabled
- 0 - RFC2231 encoding is disabled (default value)

TC/LINK-MX7: UTF-8 Message Appears Blank in TCfW

UTF-8 message via Link-MX7 appears in TCfW as a blank message. (SPR00178735)

A new registry key `TCLINKMX7\Exchange\RemoveEmptyBody` (REG_DWORD type) is added. This registry key is used for deciding whether to delete the empty text body of a message (that is, the message containing blank spaces).

- If `RemoveEmptyBody` is set to 1 (default value), and the message contains empty text; the empty text gets deleted.
- If `RemoveEmptyBody` is set to 0, the empty text of the message is not deleted.

TC/LINK-LN: Special Characters Not Shown Correctly

Special characters like vowel mutations are not shown correctly after update to KCS 9.2. (SPR00178638)

A new registry key `NOTES/DoNotConvertAttachmentsToLMBCS` is added. If set to default, LINK/LN will convert all text to LMBCS before sending it to Domino Server.

- 0 - Convert all text to LMBCS (default value)
- 1 - Do not convert

You can use the registry key `NOTES/DumpInboundMessagesToFiles` to debug the conversion files.

See *TC/LINK-LN Technical Manual* for more details.

Symantec Tamper Protection Alert During KCS Client Setup

When you update Kofax Communication Server client software on a computer with Symantec Endpoint Protection, a tamper protection alert might be displayed. (320486, SPR00104834)

TC/Perflog on Newer Operating Systems

On Windows Server 2008 R2 and Windows Server 2012, the data collector set (default=TCPERFLOG) and reports (TCPERFLOG_XXX) created with TC/Perflog are not displayed in the Windows Performance Monitor. You can only open the log files from the PERFLOG folder (default=c:\tcross\perflog). (318347, SPR00093515)

TC/LINK-LN: Problem With Inbound Text Based Messages

TC/LINK-LN Error `CLNSendDoc::putAttachment`: Cannot put text when sending text messages to Lotus Notes. (317867)

When TCLINKLN fails to put the message body text, it retries with a new temp file that contains same message body text. If it again fails and `DumpFailedBodyText` registry key is enabled, failed message body text is backed-up for troubleshooting. Following new registry keys are added under `HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\TOPCALL\TCLINKLN\NOTES`:

- `RestartOnNotesApiFailure` - If set to 1, TCLINKLN instance will restart on `MailAddMessageBodyTextExt` failure. Default value is 0.
- `LineDelimiter` - If set to 0, line delimiter for text attachments is `"\r\n\x1a"` otherwise `"\r\n"`. Default value is 0.
- `SetNLSInfoNull` - If set to 1, `NLS_PINFO` structure is set NULL when text attachment is converted to LMBCS. Default value is 0.
- `DumpFailedBodyText` - If set to 1, failed mail body text is dumped to a file for troubleshooting. Default value is 0.

TC/LINK-MD: UCP with Sonera Content Gateway and Listener

Kofax Communication Server now supports UCP with Sonera Content Gateway and Listener for incoming SMS via TOPS SMSC client .NET 6.0.29. The TOPS SDK has to be installed separately and needs a workstation license at the time of installing TOPS. (319380)

See *TC/LINK-MD Technical Manual* for more details.

Fax over IP: SIP Calls Can Fail with Large Messages

FoIP SIP calls via TCP or TLS can fail if SIP messages are received in multiple network packets. In such case, KCS FoIP processes an incomplete SIP message. The following or similar errors are written to the FoIP trace file (319115, SPR00176917):

```
Error reading SIP message, Sip2XML read error, bad SIP message
```

TC/LINK-MQ: Incompatible Codepage

CCSID of XML messages sent from KCS to IBM WebSphere MQ in XML format is always 1208. (367033)

The CCSID is now configurable in a new registry value `TCLINKMQ\Options\Out\OverrideXmlOutCodePage`. When set to 1, the CCSID is set to the value of `TCLINKMQ\General\PCCodePage`. Otherwise, the CCSID is set to 1208. Default value is 0.

When set to 1, the CCSID is set to the value of `TOPCALL\TCLINKMQ\General\PCCodePage`. Otherwise, the CCSID is set to 1208. Default value is 0.

TC/LINK-SI: Missing Attachments in SAP

Disk caching on shared disk may result in lost attachments. (347684)

Copying to the shared disk is now more robust. In addition, TC/LINK-SI now creates a new registry value at link startup: `SAP\CopyWaitSeconds`. If the copied file cannot be found immediately after copying, TC/LINK-SI now retries to access the file after the number of seconds specified in the new registry value. The default is 180 seconds.

Fax over IP: RFC3264 Compliance

KCS Fax over IP is not fully compliant with the IETF standard RFC 3264. A new configuration parameter "SIP/Add inactive SDP medias" has been added to activate the RFC 2327 compliant behavior. (343197)

Note Full compliance is disabled by default. Calls to some VoIP devices do not work if the parameter is activated.

Fax over IP: Message Wait Indication and Avaya

Although both Avaya Communication Manager and KCS Fax over IP support message wait indication signaling using the SIP NOTIFY method, message wait indication does not work. (317751, SPR00119076)

List of Solved SPRs

Component	Rank	(Bug ID) Title
KCS	2	(345892) Possible vulnerability in OpenSSL
KCS	2	(374048) TCOSS may stop generation of Resource Bottleneck Observation related Event Logs entries.
KCS	2	(451606) Attachments can't be attached to the new message if default compiler is C# on the IIS server
CaptureConnector Manual	2	(319096) 'Compress image to'-option is not working for 'body' of the Import Content
DocConv Manual	2	(319206) docu error: the fonts are installed for PCL and not for PS
DocConv Manual	2	(318487) Incomplete and misleading description for registry values StopAllNewProcesses and Allowed Modules
KCSclients Admin Manual	2	(320402) missing description of "address book" button in the user view in tcfw
KCSclients Installation Manual	2	(320625) adapt the KCS Clients manual setup screens
KCSclients Installation Manual	2	(320453) Supported operating systems should be updated within the KCS Clients Installation manual
KCSclients Installation Manual	2	(320622) Setting the terminal server in install mode is not needed any more
KCSclients Installation Manual	2	(320531) no uninstall of KCSclients in APP view
KCSclients Installation Manual	2	(320396) missing info that app mode is not working on terminal server with KCS printer
KCSclients Installation Manual	2	(320388) client light license does not exist any more
LDAP Manual	2	(319240) How to get the DSACL tool for changing the rights in the AD to access the "deleted objects"
LDAP Manual	2	(318047) Registry value ADBaseDN must be deleted manually, if layout of the domain structure changes
Manual	2	(318894) document restrictions missing on different versions of TC/Report and TC/Probe
TCArchive Manual	2	(319083) Archive retrieval feature in Lotus Notes and Outlook Client is no longer existing
TCFW Manual \English	2	(320597) reply and forward terminates the original message
TCLINK Manual	2	(318715) VRS Settings like AutoOrientation of landscape pages is not done When sending a fax from a mail system via tclink
TCLINKLN Manual	2	(319239) Registry value NOTES\FailedMailStore not described
TCLINKMFP Manual	2	(317980) vrs in only working if SettingsFile not a NULL-String - this is not true anymore

Component	Rank	(Bug ID) Title
TCLINKMFP Manual	2	(318490) Reg-Value TCLINKMFP\TCMIME\EnableEmbeddedMIME must be set to "0"
TCLINKSM Manual	2	(318523) Generating test certificates are not possible with www.thawte.com
TCMWAMX Manual	2	(319186) TCMWAMX Manual has to be adapted for KCS 10.0
TCPDD Manual	2	(320594) sometimes the PDD trace does not begin a new trace file but overwrites the existing
TCPDD Manual	2	(320414) wrong path to registry for DeleteFailedPrintJob in manual
TCWeb Install Manual	2	(318212) general restriction on user profile changes
TCWeb Install Manual	2	(319457) new registry keys implemented for COD not documented
VoiceXSP Manual	2	(322415) Missing documentation how to install and configure the TC/Voice Redirector and the Voice xSP ECP instances on the same server
Installation	2	(318593) Remove TC/Link-MX from KCS Setup
Installation	2	(344127) TC/Fetch does not install in TC/MA mode
Installation	2	(317939) XML Demo Mappings should be part of KCS Setup or ISO file
Installation	2	(318171) TCGENDEP /S is not able any longer to create/ write registry keys
Installation	2	(318188) Remove iPlanet Dirsync from KCS Setup
Installation	2	(318797) KCS setup creates "easyconfig" folder with EC content
Installation	2	(318835) After updating Voiceserver running KCS 9.1.1 and COD-1750 to KCS 9.2, TCECP fails to start
Installation	2	(320487) remove outdated options from KCS Clients Setup
Installation	2	(319213) Remove Foip with XCAPI from KCS Setup
Installation	2	(318111) Remove the Exchange 2003 option from SPI-MX from KCS Setup.
Installation	2	(319026) Kofax VRS folder should not be shown in the start after KCS setup
Installation	2	(318955) unisuite should only be installed if needed
Installation	2	(319146) Remove the Exchange 2003 option from MWA-MX from KCS Setup
Installation	2	(320495) Remove TC/Dialer from KCSClients Setup
Installation	2	(320593) There is an old screen in the setup when installing KCS Clients on terminal server
Integration\Kofax Capture	2	(318287) 'Body with message header' does not work when PDF is selected as Conversion option
Integration\Kofax Capture	2	(318992) KCC - When a message is sent with recipient in 'CC-list', the generated MSG/EML-file displays the recipient in 'TO-list'
Integration\Kofax Capture	2	(322858) KCC Export Connector fails to export the documents back to KCS, if either the configured OriginatorNumber or the OriginatorService contain empty values
Integration\Kofax Capture	2	(374469) KCC - Poll Interval not skipped if only last queue is empty.
Integration\Kofax Capture	1	(352095) KCS Export Connector Exception

Component	Rank	(Bug ID) Title
Integration\Kofax Capture	2	(318820) Faxes with reception error treated as successfully received messages when forwarded to KC via KCC
Integration\Kofax Capture	2	(365274) KCC - Error importing the message to KC if body with message header is enabled and a message is sent from KCS to KC user
Integration\Kofax Capture	2	(318638) For Import Content with 'Body & Attachment', Body is not normalized to PDF/A
KCS\Legacy\TCDC	2	(319364) TCDCSIGN uses wrong syntax for default layout file (2D fax signature)
3rd party\OpenSSL	2	(323524) KCS Products using OpenSSL might be affected by the OpenSSL "Heartbleed" bug
Easy Config Tool	2	(318827) after Easy Config update from 9.2 to 9.3, there is a version mismatch
Easy Config Tool	2	(319393) the default of document converter should be MS Office after update
FoIP	2	(319396) External call transfer to a busy or wrong number may remain hanging on CUCM6
FoIPv3	2	(319115) FoIP call via SIP/TCP or SIP/TLS may fail with large SIP messages
FoIPv3	2	(318978) Application error in module TNC_H323.dll when "local IP" address is configured wrong
FoIPv3	2	(319262) FoIP does not retry if the open of the Listener for connection to KCS fails
FoIPv3	2	(318187) Endpoint display name on IPphone changed with FoIPv3
FoIPv3	2	(318039) No more outbound FAX/ Voice calls are done when the "active calls" counter of the H.323 component gets a negative value
FoIPv3	2	(317983) FoIP should support Generic Quality of Service (GQOS) using Differentiated Services
FoIPv3	2	(318813) FR: FoIP should be able to use characters inside the number for SIP calls
FoIPv3	2	(318906) Remote Port number in FoIP trace may be wrong
FoIPv3	2	(318500) KCS FoIP reception does not work with Netgen Smart ATA V.34 mode
FoIPv3	2	(318477) Outgoing V.34 fax may fails due to late fall-back to V.17 mode.
IPPrint	2	(318407) IPPrinter from KCS 9.1.1 does not work with TCOSS from KCS 9.2: Fault error 10 in export to TCSI
KCSBackup	2	(354602) KCS Backup errors (found when trying to backup an ASP system)
Metamail	2	(318805) Metamail link can't be opened by a user not in the same timezone like the link server
Monitoring	2	(323582) KPI Poller hangs after update
Monitoring	2	(319064) KCS Monitoring - Timing issue for Queue Length and Queue Age Alerts
RLA	2	(318917) KCS LS1 Remote line server administration: User and password hints should be removed
TCBroadcast	2	(322903) The string starting or ending with \$ should not hang the TCNOTIF

Component	Rank	(Bug ID) Title
TCDCLINK	2	(317957) TWS DocConv result inserted as Notes RTF body image alternative
TCDCLINK	1	(326201) PDF documents show scrambled characters after conversion.
TCDCLINK	2	(319261) Document conversion is leading to virtual memory problem and machine gets hung
TCfW	2	(320395) The "Lines" in the Linestatistics window are not lined up anymore
TCfW	2	(320441) No more footer line when printing message from TCfW
TCfW	2	(320585) Wrong caption for account locking in user profile dialog
TCfW	2	(320450) wrong label for address number for Japanese and Chinese
TCfW	2	(320557) Setting the Default Template in the User Profile isn't working
TCfW	2	(320559) TCfW order in Treeview has changed, Archive folder is now the last after all private folders
TCfW	2	(320460) Updating the Client to KCS9.2 messes up the GUI
TCfW	2	(320574) Messages list not refreshing on Cursor- or PageDown key.
TCfW	2	(320362) Menu controls and toolbar are unresponsive if TCfW window is opened on a secondary monitor
TCfW	2	(320447) buttons in the title bar of tcfw disappears
TCfW	2	(320497) Opening the jobs folder after sending a message leads to runtime error 91
TCfW	1	(320372) Creating new user via "Address View" will create address book entry but no user profile.
TCfW	2	(320449) TCfW: adding an annotation is not possible.
TCfW	2	(320345) TCfW main window does not use the standard Windows theme and changes the style if MDI windows are maximized
TCfW	2	(320353) Additional blank lines are added within the ANN99 file every time "Update System files" is executed
TCfW	2	(330406) Misbehavior of the User-Profile's search bar
TCfW	2	(325852) TCfW Communication Server Client - "Export fields..." doesn't export all data.
TCfW	2	(328013) File Size Display Bug in TCfW
TCfW	2	(322845) Runtime error when clicking "change password" button after modification of "server path" in the messaging server tab of "common preferences"
TCfW	2	(320348) ????????? in error column on Japanese system
TCfW	2	(320458) Missing error description
TCfW	2	(320570) last character missing in error column of TCfW
TCLINK	2	(319502) TC/LINK does not restart when getting a response "309 - temporarily no handle available"
TCLINK	2	(373966) Link stops working when it runs out of licenses... even with an unlimited license.
TCLINK	2	(318762) DataLogics cannot convert 'fake' portfolio PDF created by Adobe Distiller
TCLINK	2	(319401) The VRS Wizard should be improved
TCLINK	2	(345520) usrio: Crash when dirsync is called by link exit
TCLINK	2	(318793) Crash in TCIMG32.DLL when converting specific PDF attachments

Component	Rank	(Bug ID) Title
TCLINK	2	(318831) Module TCLINK.EXE might write wrong information to the KCS tracefile
TCLINK	2	(317815) A huge leak of "open objects" when sending a large number of non- ANSI text files attached to a single message via TC/LINK
TCLINK	2	(318826) Link crashes when rejected extension is used
TCLINK	2	(317900) #NAME?
TCLINK	2	(317868) Japanese characters within the Text body are garbled after update the KCS 9.2
TCLINK	2	(318635) validate XML against schema
TCLINK	2	(322785) TCLINK.EXE might crash in TCLIB32.DLL, if Jetform is enabled and the General\TraceLevel is set to 80 decimal or higher
TCLINK	2	(344607) Empty body of embedded message results in additional "text.plain" attachment.
TCLINK	2	(318964) A leak of "open objects" using TCSI functions "ohh_o_open" and "ohh_o_close" might cause a stop of TC/LINK message transfer
TCLINK	1	(355280) Wrong Slovak characters with Link-MX7
TCLINK-FI	2	(324402) Sending from fi with empty body text and tiff attachment to KCC can lead to temp files in KCS and an empty batch in KCC
TCLINK-FI	1	(345639) Message send with TC/Link-FI has additionally an empty text document as attachment
TCLINK-FI	1	(321020) The registry key "FilesBlackList" fills up if files with the attribute 'read-only' are listed
TCLINK-FI	2	(451540) CR+LF from TCXML tag is forwarded to Email-Header incorrectly
TCLINK-FI	1	(347265) A TC/LINK-FI transaction file containing 00-Bytes will cause the TC/LINK-FI to hang in processing this message, other messages are not processed anymore
TCLINK-LN	2	(317742) Lotus Notes Popup message "Illegal circular USE: EmailProcessing" prevents successful Rich text conversion
TCLINK-LN	2	(317789) Special characters like vowel mutations are not shown correctly after Update to KCS 9.2
TCLINK-LN	1	(317867) TC/LINK-LN Error CLNSendDoc::putAttachment: Cannot put textatt when sending text messages to Lotus Notes
TCLINK-LN	2	(319167) Wrong version number for TCLLN.DLL reported within the trace
TCLINK-MD	1	(318580) MD crash if first connection to SMSC doesn't work.
TCLINK-MD	2	(319588) binary text messages are recognised wrong as too long
TCLINK-MFP	2	(318944) TLinkMFP Registry-Key "ServiceSecureId" does not work.
TCLINK-MFP	2	(318734) Blank Page Deletion in the VRS wizard does not work, although the documentation says that it should.
TCLINK-MFP	2	(321507) TC/LINK-MFP: empty cc address can cause 40 sec delay in address mapping
TCLINK-MFP	2	(319058) VRSWizard.exe uses Topcall icon
TCLINK-MQ	1	(367033) TC/LINK-MQ: CCSID of XML messages sent from KCS to IBM WebSphere MQ in XML format is always 1208 and incompatible to KCS9.1
TCLINK-MQ	2	(359173) MQ hangs on specific message.
TCLINK-MX7	2	(318253) MX7 Read Notifications do not work anymore

Component	Rank	(Bug ID) Title
TCLINK-MX7	1	(325552) Notifications have wrong originator.
TCLINK-MX7	2	(319249) Removal of empty message body does not work on a non unicode tcoss
TCLINK-MX7	1	(324072) Error 5018 after upgrade to KCS 9.2 when sending sms in IMCEA-Syntax via Link-MX7
TCLINK-MX7	2	(319500) UTF-8 message via Link-MX7 appears in TCfW as a blank message
TCLINK-MX7	2	(323939) MX7 TCLINK.exe crashes with TCIMG32\TraceLevel = 0xFF
TCLINK-MX7	1	(350792) TC/Link-MX7 crashes with some incoming messages
TCLINK-RS	2	(319179) Sharepoint, FileNetManager unable to resolve mapped values
TCLINK-RS	2	(318071) TC/Link-RS error when trying to call function that reads custom storage strings
TCLINK-SC	2	(318741) Multibyte characters in postscript file names sometimes result in document conversion error
TCLINK-SDD	2	(319324) TC/LINK-SDD crashes when processing specific messages
TCLINK-SI	2	(347684) TC/LINK-SI BAPI call might fail, because the linked file in the BAPI call cannot be found by SAP on the shared folder
TCLINK-SM	1	(330433) PDF attachment not recognized as an attachment
TCLINK-SM	2	(321003) Reply to Fax over TCLINK-SM fails b/c of quotation marks deleted from address
TCLINK-SM	2	(318472) TCMIME: Missing textmarkers in DisplayName
TCLINK-SM	2	(319696) LinkSM smtp message stays at Inactive-Problems with KeepOriginalSMTPResponse = 1
TCLINK-SM	1	(322167) PDF-Attachments with Umlauts in the name are presented as .DAT files in the recipients Inbox.
TCLINK-SM	2	(317950) SMTP Message is not RFC compliant
TCLINK-SM	1	(319571) LinkSM does not handle message/partial files correctly
TCLINK-SM	2	(318113) TCMIME crashes Link-MFP(SM)
TCLINK-SM	2	(318991) Installation issue with TCLINK-SM
TCLINK-SM	1	(364001) TC/Link-SM crashes with some incoming messages
TCLINK-SM	2	(318182) Strange signs in mail server response of link sm - Could be also relevant for KCS 9.2
TCLINK-XML	2	(319054) extension truncated converting unicode named attachment
TCMon	2	(343098) TCMON removed feature since 9.1.1
TCOSS	2	(318459) timezone file Atz99 must be enhanced with more future dates
TCOSS	2	(318987) TC/Lib Average Performance Counters don't show correct values
TCOSS	2	(363772) Unlimited license is not unlimited
TCOSS	1	(322176) One destroyed configuration file prevents the whole TCOSS system from starting up
TCOSS	2	(318258) FR: Prevent KCS Tandem system "Desync. Status" if Statusagent cannot be reached
TCOSS	1	(322512) Send orders with alternative numbers (originator or recipient) might fail completely
TCOSS	2	(317872) KCS 9.2 Link must start if connected to KCS 10.0 TCOSS

Component	Rank	(Bug ID) Title
TCOSS	2	(318925) Small fonts in the conversion of the FAX RTF cover with KCS 9.2 / Windows Server 2012 R2
TCOSS	2	(318710) FaxDeskPro license should be removed from TCOSS/license tool
TCOSS	2	(318526) XY or X8 reception errors when receiving FAX messages in T.6 encoding from non-ITU compliant FAX devices
TCOSS	2	(322266) Alternative path does not work for connection from storage to media server
TCOSS	2	(322290) String length for TCOSS\LAN\LANxxx registry value "Iptoconnect" is not sufficient for IPv6 address with alternative path
TCPDD	2	(320344) printing from html help to outlook does not work
TCPerflog	2	(321374) TCPerflog crashes if TraceLevel is set to 50 or higher
TCPerflog	2	(318347) Datacollector Set and Reports created with TC/Perflog are not shown in Performance monitor
TCReport\Fetch	2	(343097) Server database cannot be opened with the TCMC if Probe was configured before and Fetchagent is installed afterwards
TCReport\Fetch	1	(327567) Workstation Fetch crashes
tcsrv	2	(317958) The real number of attempts that TCSRVS performs to start a process is less than the value configured in "StartupRetries1"
tcsrv	2	(319306) Outdated hardware monitoring feature fills up the "Boot" trace files with unnecessary entries
TCWeb	2	(318275) IIS serves the most of files from the TcWeb Folder to the public by default
TCWeb	2	(319374) Some configuration values for preview and buttons overwrite each other
TCWeb	2	(318377) Modifying an Url in the TcWeb leads to exception displayed in the browser
TCWeb	2	(318057) TcWeb includes the stack traces in the exception page in the case of unhandled exception
TCWeb	1	(319568) TC/Web does not show the complete list of all available covers
TCWeb	2	(318170) TC/Web - Timestamp issue when Timezone Feature is used with Authorization
TCWeb	2	(317917) Missing custom exception handler may cause IIS not destroying the user sessions
TCWeb	2	(319508) TcWeb allows to download system files to any logged in user which is a security leak
TCWeb	2	(318024) TCWEB: Object variable or With block variable not set.
TCWeb	2	(317959) broken web links in the default portal mode
TCWeb	2	(318733) History view with Metamail not working
TCWeb	2	(318770) TcWeb allows arbitrary file upload which is a security leak
TCWeb	2	(318887) TC/Broadcast not working out of TC/Web
TCWeb	2	(367783) GET requests are being used for state changing operations on the server which is a security threat
TCWeb	2	(320979) if sending a new job fails with a popup, a new message appears instead of the existing job reopens
TCWeb	2	(318514) It is not possible to configure the TIFF Image mode for viewing and forwarding incoming faxes

Component	Rank	(Bug ID) Title
TCWeb	2	(318752) new created message gets lost if you forget to enter a recipient
TCWeb	2	(317777) Uneven alignment of a columns in Recipient tab, Recipient picker and Distribution Lists
TCWeb	2	(350586) TcWeb may rarely show "Error 501" texts in all columns of Inbox grid after Previous button has been pressed
TCWeb	2	(317890) TcWeb allows not logged in user to open another user's attachment
TCWeb	2	(317966) TcWeb allows arbitrary aspx file to be uploaded and executed which is a security leak
TCWeb	2	(317955) History log entry "CORRECT" is not mapped via language file
TCWeb	2	(318763) wrong page displayed if you press the cancel button on the filter settings in the history view side
TCWeb	2	(317827) TiffyViewer does not work with Java7 update 51
TCWeb	2	(346229) TC/Web - Forward button disappears after message was marked completed because registry key "ForwardTerminatedEnable" is not set to default value "1".
TCWeb	2	(318724) Missing attributes 'httpOnly' and 'Security' in TcWeb cookies
TCWeb	2	(322996) TC/Web: full name and company name will be merged together as full name
TCWeb	1	(378552) TC/WEB occasionally shows blank page instead of In-/Outbox message list
TCWeb	2	(378463) If browser wouldn't get the latest javascript files from TcWeb it may lead to malfunctions
TCWeb	2	(319068) Address Book view from "TO" tab is displayed improperly
TCWeb	2	(318264) TcWeb passes the session identifier in some Url through GET requests
TCWeb	2	(318420) TcWeb uses weak cryptography to encrypt a link to the message
TCWeb	2	(318279) TC/Web Outbox status-filtering working not correct
TCWeb	2	(318450) SuperUsers for Metamail and Voice don't work anymore
TFC	2	(318809) TFC Backup Method (ASCII) does not work anymore with KCS 9.2, strings truncated
TWS	2	(369982) Datalogic PDF conversion losing data without error
TWS	2	(319153) TWS - In the absence of MSOffice on the server, KFXConverter is called When MSOffice is selected as 'DocumentConversion'
TWS	2	(319310) Some buttons on TWS monitoring / testing page not working on IE10
TWS	2	(318400) the default of document converter should be MS Office after update
TWS	2	(318220) It is possible that the local system id is not unique on 64 bit windows systems.
VoiceAccess	2	(319168) TCECP crashes when using TC/Voice Redirector
VoiceAccess	2	(324370) TCECP sometime produces voice mails with reception errors
VoiceLink2	2	(317756) TCECP crashes after update to KCS9.2
Wconfig	2	(318028) WCONFIG icon has wrong version number inside

Known Issues

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

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)

TC/Web: Sorting in Recipient and User Tool

In the Recipient and User tools, it is no longer possible to sort entries by clicking a column header. (545225)

Workaround: Sort the entries by selecting Ascending or Descending from the column header menu.

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**.

Small Fonts in Fax RTF Covers on Windows Server 2012 R2

When converting fax messages with RTF cover sheets, the font in the cover sheet is very small after conversion on Windows Server 2012 R2 operating system. (318925)

Workaround: Install Windows update KB2930275.

TCOSS: Downgrade to KCS 9.2.0

WConfig of KCS 9.2.0 cannot install a configuration locally to a file structure, which already was used with KCS 10.0.0 or later. The layout of the config file ASYSCONFCCCC changed.

As a consequence, a downgrade from KCS 10.0 to KCS 9.2 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 `tdel +TECH/ASYSCONFCCCC`.
Reply is: "1 Files deleted, 441 Bytes freed".
- 4 Close the command prompt.

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.

TC/LINK-LN: Some Messages Cannot Be Processed

With Lotus Notes client software older than release 8.5.3, some messages cannot be processed by TC/LINK-LN. Installing Lotus Notes client 8.5.3 on the TC/LINK computer solves the problem. (318439, SPR00092298)

For more information, see:

- *TC/LINK-LN Technical Manual*, version 2.07.00 edition 14
Chapter Hints / Troubleshooting - Some Messages Cannot be Processed

Japanese and Other Characters Rotated

Japanese, Chinese, and other characters may appear rotated by 90 degrees. (319190, SPR00113545)

Workaround: Fonts beginning with the at sign (@), such as @Arial Unicode MS, support vertical writing of certain languages. Use fonts without the at sign, such as Arial Unicode MS. Use Crystal Reports 11 or later.

KCS Client Applications Fail to Start After Update

If you update only KCS client applications on a computer that also includes KCS server components, the client software fails to start because of obsolete shared modules. (320420, SPR00176011)

Mixing components from the latest and older KCS releases on one computer is not supported.

Workaround: Update all KCS components to the latest release. Update server components before updating the client applications.

Support Changes

This section lists the changes in support level in this release of Kofax Communication Server.

End of Support for IBM WebSphere MQ V6.0

IBM WebSphere MQ V6.0 and older versions are no longer supported with this release of Kofax Communication Server. Only IBM WebSphere MQ V7.0 and later is supported.

This applies to the following Kofax Communication Server component:

- TC/LINK-MQ

End of Support for Windows XP

Windows XP is no longer supported with this release of Kofax Communication Server.

This applies to the following Kofax Communication Server components:

- Kofax Communication Server client applications

End of Support for Windows Server 2003

Windows Server 2003 is no longer supported with this release of Kofax Communication Server.

This applies to all Kofax Communication Server components.

End of Support for Microsoft Exchange 2003

Microsoft Exchange 2003 is no longer supported in this release of Kofax Communication Server. Only Microsoft Exchange 2007 and later is supported.

TC/LINK-MX is not supported any longer. You cannot install it anymore. It is replaced by TC/LINK-MX7.

This applies to the following Kofax Communication Server components:

- TC/LINK-MX
- SPI-MX
- MWA-MX

End of Support for Microsoft Office 2003

Microsoft Office 2003 is no longer supported with this release of Kofax Communication Server. Only Microsoft Office 2007 and later is supported.

This applies to the following Kofax Communication Server components:

- Kofax Communication Server client applications
- Document conversion

End of Support for Lotus Notes 7.x

Lotus Notes 7.x is no longer supported with this release of Kofax Communication Server. Only Lotus Notes 8.0 and later is supported.

This applies to the following Kofax Communication Server components:

- TC/LINK-LN
- SPI-LN
- MWA-LN
- MAPI printer for Lotus Notes Client

End of Support for KCS Components

The following KCS components are no longer supported with this release of Kofax Communication Server:

- TC/Dialer
- iPlanet Dirsync
- Fax over IP via XCAPi
- TC/LINK-MX

End of Support for Install Address Templates

The TC/LINK-MX7 feature Install Address Templates is no longer supported with this release of Kofax Communication Server. It will be no longer available in setup in the next release.

Modules Overview

This section lists the modules included in this release of Kofax Communication Server.

KCS Client Software Modules

Module	Version	Changed
Data Dynamics ActiveBar (activebar)	1.06.04	No
ClientPro for Lotus Notes (archiveln)	4.03.00	No
Setup Tools InstallTSP (InstallTSP)	1.00.02	No
KCSclients Common and Setup (kcsclients-common)	10.0.0.0.0.278	Yes
Setup Tools Task Remover (KillTask)	1.02.01	No
Microsoft Shared Files (mscomdlls)	1.00.02	No
MsiSetFeatureStates	1.01.00	No
Microsoft Visual Studio 6 Runtime (msvc6redist)	6_s.p5	No
Microsoft Visual C++ 2003 Redistributable (msvc7redist)	7_1_3088	No
Microsoft Visual C++ 2008 Redistributable (msvc9redist)	9_0_30729_17	No
Printer Driver Installation Utility (PrinterInstall)	3.03.08	No
Setup Tools Remove (Remove)	1.00.04	No
Setup Tools Extension DLL (SetupDll)	1.03.00	Yes
Setup Tools Filecopy (setuptools-filecopy)	1.00.00	No
Setup Tools MSIExtract (setuptools-msiextract)	1.00.00	No
Setup Tools MSIUpdate (setuptools-msiupdate)	1.00.02	No
Setup Tools TC/ArchEx (setuptools-tcarchex)	1.01.00	No
Subclassing Module for TCfW (subclass)	3.00.00	Yes
Proxy for TC/Dialer TAPI integration (tcdconn)	1.00.01	No
DDI Monitor Client (TcDdiMon-Client)	3.05.00	Yes
TC Dialer (tcdialer)		Removed
TC/DistMF (tcdistmf)	1.02.03	No
Host Voice Engine (tce_host)	2.00.10	No
Remote Voice Engine (tce_rem)	2.03.11	No
Resource Voice Engine (tce_res)	2.10.00	No

Module	Version	Changed
Sound Voice Engine (tce_snd)	2.00.28	No
TC/Engine (TcEngine)	2.04.00	No
TCfW Communication Server Client (tcfw)	5.43.08	Yes
TCfW Communication Server Client Library (tcfwlib)	1.00.00	No
TopDeskLite (tcfxdlit)	4.04.03	No
Fax Viewer (tcfxvw)	4.01.00	No
Image IO Library (tcimgio)	2.31.07	Yes
tclaunch	3.03.04	No
TC/Lib (tclib)	7.30.01	Yes
Language File Tool (tclng)	1.07.01	Yes
Language API (tclngapi)	1.00.00	No
Login Component (tcllogin)	4.05.04	Yes
TCMC Common (tcmc-tcpcommon)	4.07.02	Yes
TC/Dialer TCMC Panel (tcmc-tcpdialer)	1.03.01	Yes
Fax Viewer TCMC Panel (tcmc-tcpfaxviewer)	4.04.01	Yes
TC/Player TCMC Panel (tcmc-tcpplayer)	4.06.01	Yes
TCMC PrefViewer (tcmc-tcprefviewer)	4.06.01	Yes
TCfW Communication Server Client TCMC Panel (tcmc-tcptcfw)	4.10.01	Yes
VoiceAccess TCMC Panel (tcmc-tcpvmail)	4.05.01	Yes
TCMC Store (tcmc-tcstore)	4.04.01	Yes
Error Messages (tcmsg)	1.08.00	Yes
TC/Net (tcnet)	3.05.00	No
KCS Printer Device Drivers (tcpdd)	3.03.23	Yes
Voice Player (tcplayer)	4.09.01	No
TC/RT (tcrt)	2.10.00	Yes
TC/RTF (tcrtf)	1.02.01	No
Client Server Interface (TCSI)	2.76.02	Yes
Transport Interface (TCTI)	2.14.10	No
TAPI Service Provider (tctsp)	1.00.06	No
Fax Viewing and Printing Component (tcview32)	4.04.06	Yes
KCS Foundation Classes (tfc)	1.16.00	Yes
CyberActiveX UniSuitePlus Unicode Controls (UniSuitePlus)	1.00.09	Yes

KCS Software Modules

Module	Release	Changed
KIC Kofax Capture Plugin(AEF_KcPlugin)	2.50.01	Added

Module	Release	Changed
Line Server Application Image Template(app_img_tmpl)	2.06.02	No
Line Server TC18 Application Image Template(app_img_tmpl18)	3.04.00	No
Advantys ASPSmartUpload(aspSMART-aspSMARTupload)	3.00.00	No
Attachment to URL Conversion(at2url)	1.30.01	Yes
Modules from the BCPlatform (KCS and KCSclients) in Subversion(BCPlatform)		No
Belus Xzip(belus-xzip)	2.05.00	No
branchbox		No
Binary Trace Converter Tool(btrconv)	1.05.02	Yes
Caprock Dictionary Component(caprockdct)	1.07.00	No
Kofax CAPTools(captools)	5.01.00	Yes
Crystal Reports 10 Runtime(crystalreportsrdc)	1.01.00	No
LS1 Main Program(cs1)	2.05.12	No
File Copy Tool(ctc)	7.27.00	No
EasyConfig for KCS - XML Configuration Data Model(Data)	1.02.05	Yes
Datalogics Library for Adobe PDF(datalogics)	9.01.02	Yes
(DemoMapping)		Added
EasyConfig for KCS - Config Application(EC)	1.02.02	Yes
EasyConfig for KCS - Documentation Generator(ECDoc)	1.00.04	No
Kofax Communication Server - Advanced Email Capture(EmailConnect)	1.02.01	Added
Line Server TC18 Ethernet Config(ethtool)	1.00.00	No
ex55	2.13.02	No
ExitEmailHeader	1.01.03	No
ExitSon(exitson)	1.30.00	Yes
ExLib(exlib)	1.00.01	No
Expat XML Parser(Expat)	1.95.08	No
Fault Tolerant Voice Tool(fail_over_setup)	1.01.00	No
Web Services Interface Between Fax Servers and Applications(FaxWs)	1.01.00	No
TC/LINK-FI(fi)	2.30.02	Yes
FoIP Component(FoIP)	3.23.01	Yes
FoIP-msvc9redist-rtm		No
OpenH323 Library(FoIP-openh323)	1.18.04	No
PWLib Library(FoIP-pwlib)	1.10.02	No
Language File Tool(FoIP-tclng)	1.07.01	Yes
Error Messages(FoIP-tcmng)	1.08.00	Yes
Intelligent Network Component for Image Conversion(FoIP-TNC_Converter)	3.22.14	Yes
Intelligent Network Component for T.30 Control(FoIP-TNC_FaxMain)	3.22.14	Yes
Intelligent Network Component for File Access(FoIP-TNC_File)	3.22.15	Yes

Module	Release	Changed
Intelligent Network Component for TCOSS 7 FoIP(FoIP-TNC_Fx7)	3.23.00	Yes
Intelligent Network Component for H.323 Call Controll(FoIP-TNC_H323)	3.22.14	Yes
Intelligent Network Component for HTTP(FoIP-TNC_Http)	3.23.00	Yes
Intelligent Network Component for SIP Call Controll(FoIP-TNC_Sip)	3.23.00	Yes
Intelligent Network Component for Persisent Storage(FoIP-TNC_Store)	3.23.00	Yes
Merlin Component for FoIP T.30 (T.38 and Passthrough) (FoIP-TNC_T30)	3.22.14	Yes
Intelligent Network Component for Simple Workflow Processing(FoIP-TNC_Tsl)	3.22.14	Yes
Intelligent Network Component for KCS Voice Server Integration(FoIP-TNC_Voice)	3.23.00	Yes
Intelligent Network Master(FoIP-TnMaster)	3.23.00	Yes
Line Server TC18 FPGA Loader(fpgaloader)	1.05.04	No
TC/SNMP HP OpenView Tools(hpovtools)	1.30.00	Yes
(Hw-overview)		Added
KCS IP Printer(lpPrinter)	3.22.14	Yes
(lpPrinter-MxsTnMaster)	3.22.14	Yes
Intelligent Network Component for File Access(lpPrinter-TNC_File)	3.22.14	Yes
Intelligent Network Component for HTTP(lpPrinter-TNC_Http)	3.22.14	Yes
Intelligent Network Component for Image Conversion(lpPrinter-TNC_Imageio)	3.22.14	Yes
Intelligent Network Component for IP Printing(lpPrinter-TNC_Ipp)	3.22.14	Yes
Intelligent Network Component for TCSI(lpPrinter-TNC_Tcsi)	3.22.14	Yes
Intelligent Network Component for Simple Workflow Processing(lpPrinter-TNC_Tsl)	3.22.14	Yes
Custom panel for KC - KCS Notification on batch delete(KcNotification)	1.00.08	No
Release Module for KCS - KC Integration(KcRelease)	2.30.02	Yes
Kofax Communication Server Common and Setup(kcs-common)	10.0.0.0.0.278	Yes
KCS Kofax Capture Plugin (Kofax Capture Connector) (KCS_KcPlugin)		Removed
KCS Backup and Restore Tool(KcsBackup)	2.04.00	Yes
MS Office-independent document converter(KFXConverter)	1.01.21	Added
LibWWW Access Library(libwww)	5.04.00	No
Lincoln Converter(lincoln)	6320000a	No
Link Setup Tool(LinkSetupTool)	1.30.00	Yes
Linux Kernel(linux-kernel)	1.13.01	No
Line Server TC18 System Image(linux-kernel-tc18)	2.04.00	No

Module	Release	Changed
TC/LINK-LN(ln)	2.19.03	Yes
LogWinEvent(LogWinEvent)	1.30.00	Yes
LS1 Trace Tool(Is1trace)	1.02.01	No
Line Server Diagnostic Tool(lsd2)	2.06.01	No
TC/LINK-WM and TC/LINK-MD(md)	2.30.03	Yes
KCS MetaMail(metamail)	1.01.01	No
TC/LINK-MFP(mfp)	1.08.02	Yes
KCS MFPCoconnect(mfpconnect)	2.05.00	No
Microsoft Data Access Objects(microsoft_ado)	2.08.00	No
TC/MIME(mime)	2.30.02	Yes
BAPI to XML Tool(mkbapixml)	1.00.03	No
Enhanced BAPI to XML Tool(mkbapixml2)	1.00.03	No
TC Model 304(model304)		Removed
TC Model 350(model350)		No
KCS Monitoring Setup(Monitoring-Setup)	1.30.02	Yes
KCS Monitoring Interop.TCRPC(Monitoring-Setup-Interop.TCRPC)	1.01.00	No
KCS Monitoring Interop.TCSI32(Monitoring-Setup-interop.TCSI32)	1.01.00	No
KCS Monitoring KCS_Environment(Monitoring-Setup-KCS_Environment)	1.02.05	No
KCS Monitoring Admin(Monitoring-Setup-KCS_Monitoring_Admin)	1.01.04	No
KCS Monitoring Configuration(Monitoring-Setup-KCS_Monitoring_Configuration)	1.02.06	No
KCS Monitoring Excel(Monitoring-Setup-KCS_Monitoring_Excel)	1.02.05	No
KCS Monitoring KPIUtil(Monitoring-Setup-KCS_Monitoring_KPIUtil)	1.00.05	No
KCS Monitoring Kofax.KCS.Monitoring.Kpi(Monitoring-Setup-Kofax.KCS.Monitoring.Kpi)	1.02.06	No
KCS Monitoring Kofax.KCS.Monitoring.Util(Monitoring-Setup-Kofax.KCS.Monitoring.Util)	1.00.05	No
KCS Monitoring Logger(Monitoring-Setup-Logger)	1.00.04	No
KCS Monitoring SharedConfiguration(Monitoring-Setup-SharedConfiguration)	1.02.02	No
KCS Monitoring SqlCommandScripts(Monitoring-Setup-SqlCommandScripts)	1.02.02	No
TC/Lib(Monitoring-Setup-TCLIB)	7.30.01	Yes
TC/RPC(Monitoring-Setup-TCRPC)	7.10.06	No
KCS Monitoring TCRPCWrapper(Monitoring-Setup-TCRPCWrapper)	1.30.00	Yes
Client Server Interface(Monitoring-Setup-TCSI)	2.76.01	Yes
Transport Interface(Monitoring-Setup-TCTI)	2.14.10	No
KCS Monitoring WebServiceMonitoring(Monitoring-Setup-WebServiceMonitoring)	1.02.06	No

Module	Release	Changed
KCS Monitoring WMIProvider_Applications(Monitoring-Setup-WMIProvider_Applications)	1.02.09	No
KCS Monitoring WMIProvider_KCS(Monitoring-Setup-WMIProvider_KCS)	1.30.01	Yes
TC/LINK-MQ(mq)	2.30.01	Yes
Microsoft Shared Files(mscomdls)	1.00.02	No
MSLync	1.00.02	Added
Microsoft Script Control(msscript)	5.00.01	No
(msvc10redist)	10.0.40219.1	Added
Microsoft Visual Studio 6 Runtime(msvc6redist)	6_s.p5	No
Microsoft Visual C++ 2003 Redistributable(msvc7redist)	7_1_3088	No
Microsoft Visual C++ 2005 Redistributable(msvc8redist)	8_0_50727_762	No
Microsoft Visual C++ 2008 Redistributable(msvc9redist)	9_0_30729_17	No
Microsoft MSXML(msxml)	4_20_9818_0	No
TC/LINK-MX Install Template(mx-insttemplate)	1.00.01	No
TC/LINK-MX7(mx7)	1.02.01	No
Netscape Runtime(netscape)		Removed
Lotus Notes Runtime(notes)	4.06.02	No
Update Tool for Lotus Notes INI(notesini)	1.00.03	No
OpenSSL Library(openssl)	1.01.10	Yes
OpenVXI VoiceXML Interpreter(OpenVXI)	3.01.00	No
PBX Integration(pabx)	1.01.01	No
Persists AspEmail(persists-aspemail)	5.00.00	No
Printer Driver Installation Utility(PrinterInstall)	3.03.08	No
TC/LINK-RS Test Client(releasetestclient)	1.01.00	No
Remote TOS Tools(remtos)	7.38.00	No
Remote LineServer Administration(RLA)	1.02.14	Yes
Intelligent Network Component for HTTP(RLA-TNC_Http)	3.22.13	Yes
Intelligent Network Component for Remote LineServer Administration(RLA-TNC_RLA)	3.22.13	Yes
Intelligent Network Library(RLA-TNLib)	3.22.13	Yes
Intelligent Network Master(RLA-TnMaster)	3.22.13	Yes
TC/Report Component(RPT)	2.13.02	No
TC/LINK-SC(sc)	2.06.01	Yes
Mapfile for TC/LINK-SC7(sc7)	1.00.06	No
TC/LINK-SC Addon(scaddon)	2.00.01	No
TC/LINK-SI(si)	1.30.00	Yes
TC/LINK-SI Sample Files(si_samples)	1.00.04	No
TC/LINK-SJ(sj)	2.30.01	Yes
TC/LINK-SM(sm)	2.30.04	Yes
TC/SNMP Config(snmp_config)	1.30.00	Yes
SNMP Files(snmp_files)	1.30.02	Yes
TC/SOAP Processing(soapproc)	1.30.00	Yes

Module	Release	Changed
SpiderMonkey Library(SpiderMonkey)	1.05.00	No
(sxapi)	4.2.8	Added
HW System Manuals(sys_man)		Removed
TC15 Configuration Tool(tc15tool)	1.05.06a	No
TC16 EPLD(tc16-epld_2x)	2.5	No
TC16 ECP 3.x(tc16-epld_3x)	3.4	No
Line Server TC18 FPGA(tc18-fpga)	1.02.00	No
TC400(tc400)	5.01.01	No
Utility to read Active Directory schema(tcadutil)	1.30.00	Yes
TC/Archive(tcarch)	2.21.05	No
TC/CAPIFax(tccapifx)		Removed
TC/CPUNr(tccpunr)	1.30.00	Yes
Link Document Converter(tcdc32)	2.30.31	Yes
Link Document Converter File Recognition(tcdc32-filerecognition)	finalrelease	No
Standalone Document Converter Setup(TcdcSetup)		Removed
Datalogics Library for Adobe PDF(TcdcSetup-datalogics)		Removed
Lincoln Converter(TcdcSetup-lincoln)		Removed
Microsoft Script Control(TcdcSetup-msscript)		Removed
Microsoft Visual Studio 6 Runtime(TcdcSetup-msvc6redist)		Removed
(TcdcSetup-MxsTnMaster)		Removed
Printer Driver Installation Utility(TcdcSetup-printerinstall)		Removed
Link Document Converter(TcdcSetup-tcdc32)		Removed
DDI Monitor Client(TcdcSetup-TcDdiMon-Client)		Removed
Image IO Library(TcdcSetup-tcimgio)		Removed
TcdcSetup-tclaunch		Removed
TC/Lib(TcdcSetup-tclib)		Removed
Language File Tool(TcdcSetup-tclng)		Removed
TC Monitor(TcdcSetup-tcmon)		Removed
Error Messages(TcdcSetup-tcmsg)		Removed
KCS Printer Device Drivers(TcdcSetup-tcpdd)		Removed
TC/RPC(TcdcSetup-tcrpc)		Removed
Client Server Interface(TcdcSetup-tcsi)		Removed
Sleep COM Server(TcdcSetup-tcsleep)		Removed
KCS Service(TcdcSetup-tcsrv)		Removed
Transport Interface(TcdcSetup-TCTI)		Removed
Intelligent Network Component for File Access(TcdcSetup-TNC_File)		Removed
Intelligent Network Component for HTTP(TcdcSetup-TNC_Http)		Removed
Intelligent Network Component for TCSI(TcdcSetup-TNC_Tcsi)		Removed
Intelligent Network Component for Simple Workflow Processing(TcdcSetup-TNC_Tsl)		Removed

Module	Release	Changed
TP80 Hardware Library(TcdcSetup-tp80)		Removed
Transputer Link Hardware Driver(TcdcSetup-tplink)		Removed
TcdcSetup-visualstudio7		Removed
DDI Monitor Client(TcDdiMon-Client)	3.05.00	Yes
Disk Utility(tcdisk)	7.10.09	No
Disk Test Utility(TcDiskTest)	1.02.00	Yes
TC/DistMF(tcdistmf)	1.02.03	No
TC/DownloadFile(tcdownloadfile)	1.00.01	No
File Voice Engine(tce_file)	2.01.01	No
Host Voice Engine(tce_host)	2.00.10	No
LS1 Voice Engine(tce_ls1)	1.04.02	Yes
Remote Voice Engine(tce_rem)	2.03.11	No
Resource Voice Engine(tce_res)	2.10.00	No
Sound Voice Engine(tce_snd)	2.00.28	No
TC/ECP(tcecp)	3.04.01	Yes
TC/Engine(TcEngine)	2.04.00	No
TC/FilBrk(tcfilbrk)	7.11.00	No
KCS File Transfer Tool(tcft)	1.03.10	No
Dependency Generator Tool(tcgendep)	1.30.02	Yes
Image IO Library(tcimgio)	2.31.07	Yes
COM Server for TCOSS Instances Information(tcinst)	1.00.05	No
TC/IPC(tcipc)	1.01.00	No
LDAP Dirsync for Active Directory(tclad)	1.30.00	Yes
TC/LANPrnt(tclanprt)	7.12.02	No
tclaunch	3.03.04	No
TCLDAP Simulation(tcldap_s)	1.30.00	Yes
LDIF Dirsync(tcldif)	1.30.00	Yes
TC/Lib(tclib)	7.30.01	Yes
TCLI Converter(tcliconv)	7.26.01	No
TC/LINK(tclink)	2.29.22	Yes
TC/LINK-MX(tclinkmx)	2.14.01	No
TC/LINK-RS(tclinkrs)	1.03.00	Yes
Language File Tool(tclng)	1.07.01	Yes
Language API(tclngapi)	1.00.00	No
Login Component(tclogin)	4.05.04	Yes
LDAP Dirsync for Sun/iPlanet/Netscape Directory Server(tclpd)		Removed
TC/LINK-SI Batch Execution(tclsi_batch)	1.30.00	Yes
License Tool(tclt)	2.03.10	No
TCLXE2K	2.30.02	Yes
Message Analyser(tcma)	1.01.00	No
TCMC Common(tcmc-tcpcommon)	4.07.02	Yes

Module	Release	Changed
TCMC PrefViewer(tcmc-tcprefviewer)	4.06.01	Yes
TCMC Store(tcmc-tcstore)	4.04.01	Yes
TC Monitor(tcmon)	7.30.00	Yes
Error Messages(tcmsg)	1.08.00	Yes
Message Wait Agent for Lotus Notes(tcmwaln)	2.02.00	No
Message Wait Agent for Microsoft Exchange(tcmwamx)	1.04.02	Yes
tcmxsnap	1.00.07	No
TC/Net(tcnet)	3.05.00	No
TC/NetworkHelper(tcnetworkhelper)	1.01.02	No
TC Open Server Software(tcoss)	7.94.04	Yes
TCOSS Document Converter(tcoss_tcdc-tcdc)	7.40.05	Yes
TCOSS for TS Hardware(tcoss_ts)	7.47.01	No
KCS Printer Device Drivers(tcpdd)	3.03.23	Yes
Performance Counter Logging Service(TcPerfLog)	1.02.02	Yes
TCPMeter Tool(tcpMeter)	2.01.04	No
TC/PreProcess(tcprep)	1.03.04	No
KCS Probe Agent(tcprobe)	1.30.00	Yes
TC/Probe Setup(tcprobsetup)	2.30.01	Yes
TC/Probe TCMC Panel(tcprobetcmc)	2.30.01	Yes
TC/Pwd(tcpwd)	1.00.01	No
COM Registration Tool(tcregsvr)	1.01.00	Yes
KCS Message Release Manager(tcrelagt)	1.03.00	No
TC/LINK-RS Configuration(tcreleaseconfig)	1.03.00	No
TC/LINK-RS Controller(tcreleasectrl)	1.03.01	Yes
TC/LINK-RS Controller Samples(tcreleasesamples)	1.00.04	No
Registry Rename Tool(tcrenreg)	1.00.00	No
TC/Report(tcreport)	2.30.01	Yes
TC Report WMI(tcreportwmi)	1.30.02	Yes
TC/Report Setup(tcrepsetup)	2.30.04	Yes
TC/Report TCMC Panel(tcreptcmc)	2.30.07	Yes
TC/Resolve(tcresolve)	1.30.01	Yes
Rich Text Printing(tcrichtext)	1.03.02	No
TC/Route(tcroute)	1.30.00	Yes
TC/RPC(tcrpc)	7.10.06	No
TC/RT(tcrt)	2.10.00	Yes
TC/RTF(tcrtf)	1.02.01	No
TC/Setup(tcsetup)	2.30.05	Yes
Client Server Interface(TCSI)	2.76.02	Yes
Sleep COM Server(tcsleep)	1.00.01	No
TC/SNMP(tcsnmp)	1.30.02	Yes
TC/SOAP(tcsoap)	1.30.16	Yes
TC/SOAP Messages(tcsoapmsg)	1.30.00	Yes

Module	Release	Changed
SPI for Lotus Notes(tcspiln)	1.03.03	No
SPI for Microsoft Exchange(tcspimx)	1.30.00	Yes
KCS Service(tcsrv)	8.01.13	Yes
Voice Statemachine(TCStateMachine)	2.01.06	No
Status Agent(tcstatus)	1.10.01	Yes
TC/Setup Script Editor(tcstpedt)	2.14.01	No
TCECP Switch Script(tcswitch)	2.00.04	No
Server Extensions(tcsx)	7.28.02	No
Transport Interface(TCTI)	2.14.10	No
TC/Tool(tctool)	1.00.00	No
Language File Translation Tools(tctrans)	1.03.02	No
TC/UAS(tcuas)	7.09.03	No
Voice User Tool(TCUserTool)	1.01.00	No
Fax Viewing and Printing Component(tcview32)	4.04.06	Yes
TC/VoiceLink2 Log(tcvl2log)	1.03.00	Yes
TC/VoiceLink2 TCOSS Poller(tcvl2polltcoss)	1.04.00	Yes
TC/VoiceLink2 Response(TCVL2Response)	1.03.00	No
TC/VoiceLink Agent Transform(tcvlatform)	1.04.00	Yes
TC/VoiceLink2(tcmlink2)	1.03.01	No
VoiceAccess(TCVMail)	3.09.09	No
VoiceAccess Extension(TCVMExt)	1.00.01	No
TC/VP2G(TCVP2G)	1.01.00	No
TC/VRedirect(TCVRedirect)	1.01.04	No
TC/Vscheduler(TCVScheduler)	1.01.02	No
TC/VoiceXML VXIClient(TCVXIClient)	1.04.01	Yes
TCVXIMailboxDet(TCVXIMailboxDet)	1.03.00	No
TC/VoiceXML VXIObject(TCVXIobject)	1.03.00	No
TC/VoiceXML VXIPrompt(TCVXIPrompt)	1.03.00	No
TC/VoiceXML VXIRec(TCVXIrec)	1.04.00	Yes
TC/VoiceXML VXITel(TCVXITel)	1.04.00	Yes
TC/Web .Net(TCWeb.Net)	6.02.02	Yes
TC/Web IPMask Component(tcweb_tcipmask)	1.00.04	No
TC/WebAccess(TcWebAc)	1.04.04	Yes
TE-SYSTEMS XCAPI(te-systems-xcapi)		Removed
template	2.13.02	No
TC/ECP Testinstnace(testecp)	2.00.02	No
KCS Foundation Classes(tfc)	1.16.00	Yes
TFC Library(tfclib)	1.01.00	No
TC/SNMP Tivoli NV Tools(tivolinvtools)	1.30.00	Yes
Intelligent Network Component for Exchange-specific email tasks(TNC_Tnef)	3.22.15	Yes
KCS Open Message Format Technical Manual(Tom)	2.30.01	Yes

Module	Release	Changed
TOPS SMSC SDK(tops-sdk)	6_0_29	Yes
TP80 Hardware Library(tp80)	7.14.01	Yes
Transputer Link Hardware Driver(tplink)	7.11.01	No
TC/SNMP Trap Tools(traptools)	1.00.00	No
TC16 HW Testprogram(tt04-tc16)	1.03.02	No
TC22 HW Testprogram(tt04-tc22)	1.03.01	No
Line Server Test Program 05(tt05)	1.01.01	No
Line Server TC18 DSP Test Program(tt06-dsp)	1.05.02	No
Line Server TC18 PPC Test Program(tt06-ppc)	1.04.01	No
Microsoft SAPI 4(tts-sapi_40)	4.00.00	No
TTS Configuration Tool(TTSConfig)	2.10.02	No
TCOSS Web Services(Tws)	3.23.00	Yes
Tws-ImageMagick	6.8.7-9	Added
Image to TIFF Conversion Tool(Tws-ImageToTiff)	1.04.01	Added
MS Office-independent document converter(Tws-KFXConverter)	1.01.21	Added
Microsoft Visual C++ 2003 Redistributable(Tws-msvc7redist)	7_1_3088	No
Tws-msvc9redist-rtm	.	No
Link Document Converter(Tws-tcdc32)		Removed
DDI Monitor Client(Tws-TcDdiMon-Client)		Removed
Image IO Library(Tws-tcimgio)	2.31.07	Yes
TC/Lib(Tws-tclib)	7.30.01	Yes
Client Server Interface(Tws-tcsi)	2.76.02	Yes
Transport Interface(Tws-TCTI)	2.14.10	No
Intelligent Network Component for Image Conversion(Tws-TNC_Converter)	3.22.14	Added
Intelligent Network Component for Document Conversion(Tws-TNC_DocConv)	3.22.19	Yes
Intelligent Network Component for File Access(Tws-TNC_File)	3.22.15	Yes
Intelligent Network Component for HTTP(Tws-TNC_Http)	3.23.00	Yes
Intelligent Network Component for Image Conversion(Tws-TNC_Imageio)	3.22.14	Yes
Intelligent Network Component for TCSI(Tws-TNC_Tcsi)	3.22.14	Yes
Intelligent Network Component for Simple Workflow Processing(Tws-TNC_Tsl)	3.22.14	Yes
Intelligent Network Component for Xml Stylesheet Language Transformations(Tws-TNC_Xslt)	3.22.15	Yes
Intelligent Network Master(Tws-TnMaster)	3.23.00	Yes
(Tws-TotalMailConverterX)	2.1.0.169	Added
TCOSS Web Services Code Samples(TwsSamples)	1.01.00	No
(ucma_3_0_API_runtime)	4_0_7577_0	Added
CyberActiveX UniSuitePlus Unicode Controls(UniSuitePlus)	1.00.09	Yes

Module	Release	Changed
UsrDDE(usrdde)	1.30.00	Yes
User IO(usrio)	2.30.02	Yes
TC/Report VBPerf(vbperf)	2.30.00	Yes
Voiceprompt Library(VoiceLib)	2.01.05	No
VRS Components(vrs_components)	5.01.01	Yes
VRS Test(vrstest)	1.04.07	Yes
WConfig(wconfig)	7.94.04	Yes
TC/LINK-X4(x4)	1.13.05	No
Xerces-C XSLT Processor(XercesC)	2.06.01	No
XML Integration(xml)	2.16.00	Yes
XML to TCSI conversion Tool(xml2tc)	1.00.01	No
XmlExit	1.00.07	Added
XmlValidator	0.00.05	Added
TC/Backup Zip Library(zip)	1.78.00	No