Step-by-step Tutorial
Kofax Communication Server Core (TCOSS)
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KCS Core System Installation

The core system of KCS (TCOSS) is a fundamental base for every KCS component. It provides the message store (Message Archive), routing details of the messages, and manages the fax channel configuration (WConfig). The following section provides details on how to install it.

This tutorials works with the KCS version 10.0.1!

Server Setup

Navigate to the Kofax Communication Server setup on the KCS10.0.1 DVD in the KCS folder.

![Setup Folder Contents]

Double-click on the Setup.exe to begin the installation.
The “Server Setup” screen will display.

Check the box for **Server Applications (Group)** and click “Select…”
A list of available Server Applications will be displayed.

Choose **MAKETCOSS** and the **TCOSS (Group)** and click “Select…”

A new list of TCOSS applications will be displayed.

Verify that **TCOSS** is selected.
Go back to the first “Server Setup” screen by clicking “OK” twice.

Next, select Common (Group) and click “Select…”

A list of available Common Applications will be displayed.

Choose the Administrative Tools (Group) and click “Select…”
A new list of Administrative tools will be displayed.

Make sure that the **KCS Monitor** and the **KCS License Tool – TC/LT** are selected.

Click “OK” to return to the Common Applications list. Go back to the first “Server Setup” screen by clicking “OK” once more.

Click on “Install”.
TCOSS Installation
Since “MAKETCOSS” will be installed on the same machine as the other KCS components, the Default Path should point to the localhost.

To do this, enter “LOCAL,” as the default path and click “OK.”

The KCS File Structure configuration and setup window will be displayed.

The default Location of KCS File Structure should be C:\TCOSS\Data\KCS File Structure.tcoss

Since this is a new KCS installation, select “YES” from the drop-down list for Format KCS File Structure and click “OK.” Warning: If KCS is already installed (i.e. during upgrades), keep the default selection of “NO” from the drop-down list, otherwise the existing KCS File Structure will be reformatted!

Review the default settings for the “TCOSS – Server TCTI Parameters” screen

Remove the entry in the NETBIOS text-field and click “OK.”
KCS File Structure Configuration

Since “YES” was selected from the drop-down list for Format KCS File Structure, a new window will pop up to configure the KCS File Structure.

The “Size of TCOSS File Structure in MB” depends on the needed size of the system that’s being installed. In this tutorial we will set it to 7000 MB.

**Warning:** Do NOT press <Enter> without typing in the size for the newly created KCS File Structure! Otherwise it will take the default, which is around ½ of the available disk space.

The next question will ask for the Total number of directory entries.

Leave it set to the default value by pressing <Enter>.
The formatting of the KCS File Structure will begin.

Once the message “Format completed” is displayed, press <Enter>.

The properties of the newly created KCS File Structure are displayed.

The maximum amount of entries for the +TECH and the +USER area can be configured in the “C:\TOCPALL\SHARED\tcdisk.exe” window.

For this first training installation, the defaults will be used so type “X” and press <Enter>.

**Warning:** Although this configuration will work for this KCS System, it usually needs adaptation in order to match with the needs of the customer and to perfectly fit to the available hard disk specifications.
The “insttcos” text file will be displayed.

Simply close Notepad for the installation to continue.

Once the installation has finished, a prompt will be displayed to reboot the server.

Click “OK”.

Important Folders that were created:
C:\MT79521   \MAKETCOSS (wconfig)
C:\TCOSS\Trace   Folder for Traces
C:\TCOSS\Data   KCS File Structure
**WConfig**

The configuration parameters control many functions in the KCS system. They are listed in configuration files, which are loaded only once at the start or restart of the system.

Navigate to “C:\MT\79521”, right-click on the file “wconfig” and choose “Send to -> Desktop (create shortcut)”.

Double-click on the icon “wconfig - Shortcut”.
The following window will be shown, with an empty text field to specify where the KCS core files will be installed.

Enter “C:\MT\KCS10.0.1” and click “OK”.

[Image of the Select Config Directory window with the path set to “C:\MT\KCS10.0.1” and the OK button highlighted.]
An error window will pop up, asking if the non-existent KCS config directory should be created.

Click “OK.”

The next window will ask if the standard installation of TCOSS should be created.

Click “OK.”

The main WConfig menu will be displayed.

The configuration will need to be installed for the first time prior to making any changes so the program and system files are loaded for use.

To install the configuration, there are two available options:

- **Install configuration locally**  
  TCOSS is on the same machine, but **not** running.
- **Install configuration via net**  
  TCOSS is somewhere in the net (it can also be on the same machine) and is running.

Since TCOSS is currently not running, double-click “05) Install configuration locally”.
A new window will be displayed, asking for which files should be installed.

For the first-time installation of the configuration files, the program and system files are mandatory. Click “Install.” **Note:** After this first-time installation of the Program and System files, they will not need to be installed again.

The install window scrolls through the list of the files being installed.

Once the message “Done” is displayed, click “Ok” to exit the install window.
The main WConfig menu will be displayed again.

Click “Exit” to exit WConfig.
WConfig Shortcut

Each time WConfig is started, it will prompt for the location of the TCOSS installation. To use the newly created folder (C:\MT\KCS10.0.1) as the default folder, a modified shortcut will need to be created.

Right-click on the newly created WConfig shortcut on the desktop and choose ‘Properties’.

Add the install-folder location to the end of the Target field, separated with a space (as shown in the picture below) and click “OK.”

![WConfig Shortcut Properties](image)

Target: “C:\MT\79521\wconfig.exe C:\MT\KCS10.0.1”

The next time you Launch WConfig via this shortcut, you don’t need to enter the “path to config directory” anymore.
**KCS Monitor**

KCS Monitor is a utility for displaying and controlling the statuses of the KCS services and components.

Navigate to “C:\TOPCALL\SHARED”, right-click on the file “tcmon32” and choose “Send to -> Desktop (create shortcut)”.

![Image of KCS Monitor interface]

**Starting KCS Services from KCS Monitor**

Launch KCS Monitor via the newly created desktop shortcut.

![Image of shortcut icon]
The Kofax Communication Server Monitor will open up, but it is empty.

Navigate to “File – Add Server …”

Enter the name of the Server where KCS is installed.

> Can either be the Fully Qualified Machine-Name, IP Address or localhost.

Click “OK”.

You should now see the new Server in the KCS Monitor, but it will be “not active”.

To start the server you have several options:

- Navigate to “Tools -> Supervisor -> Start”
- Right-click and choose “Start”
- Click the “Start supervisor” icon:

(Note: For all these options, you need to highlight/left-click the Server first.)

The KCS Server (“LOCALHOST”) will appear “active” with the TCOSS service in the “Ready” state.
**KCS Monitor Shortcut**

The next time you launch the KCS Monitor via the shortcut on the desktop, it will again show up empty.

In order to have your Server shown by default immediately, the shortcut’s properties need to be changed.

Right-click on the icon “tcmon32 – Shortcut” on the desktop and choose ‘Properties’.

Add the KCS Server information at the end of the Target field (separated by a space) and click “OK”.

![Target field with added value](image)

Target: “C:\TOPCALL\SHARED\tcmon32.exe localhost/”

The added value “localhost/” shows the server name (*localhost*) and the password (*blank*), separated by a slash (/).
KCS Licensing
The KCS service “TCOSS” must be started in order to activate the licensing. Each KCS system is licensed based on the server’s unique CPU number, which is created from the Mac address. If the CPU number of the license does not match with the CPU number of the system, the licenses will not work, but you could set KCS licensed in “test” mode. If new and valid licensing is not added before the “test” mode expires, the KCS system will stop working.

CPU Number
Open the “Apps overview” and search for the “TCCPUNR” icon.

When run, a window with the “Local CPU Number” will be displayed on top of a DOS screen.

Once the CPU number has been identified, this can be used to request the license file.

Note: The CPU number is based on the MAC address. It is important to remember that if there are changes to the NIC or the KCS Server environment, this will invalidate the KCS license.
Enabling Test Licenses
Open the “Apps Overview” and start the License Maintenance program.

A login prompt will display.

Log in with the default administrator user and password (TCTECH/TCTECH)

The License Administration tool will open.

Click on “Switch to Testmode”.

To deactivate the test mode, click on “Deactivate Testmode”.

The Test Phase will end after 1 week.
When adding other Modules (Links and Fax Channels), those License Types will be listed in here as well.

After closing the License Tool, you have successfully installed the core of KCS!