

SETTING UP A CLIENT SERVER NETWORK - CENTRAL

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INTRODUCTION

It is possible to run the CCS System in a Peer-to-Peer or Client Server network environment. The CCS System can either be completely or partially installed on a network.

CCS NETWORK FACILITIES

Network Masters

Master jobs containing pricing libraries can be uploaded onto the network by the chief estimator. CCS users can copy information from the master jobs but only the chief estimator can adjust the master jobs.

Common backups

Users may backup to a common area on a network from where the backups can be recovered by other network users.

Archive Backups

Users may backup to Archive area on the network. Only the user who made the backup to the archive area can recover the backup from the network archive area.

Multi User Pricing

Many Users may price a job simultaneously on the network. Levels of authority are granted by the controller of the multi user job.

Users may also place their job in the multi user company and only work in the job one user at a time. (Serial user)

CCS Network User Licences

A CCS User licence can be loaded on a network allowing optimisation of licences. If a five (5) user licence is loaded onto the network, any network user may access CCS but only 5 users can access the system simultaneously. Network user licences may not be taken home and returned the next day. Users that have stand alone licences are granted access to all the network facilities and will not use a network licence count when accessing the network. The last section of this TechNote describes the CCS Network licence in more detail.

Manuals describing how to use the CCS network facilities can be found on the CCS installation CD in the documentation folder.

CENTRAL SYSTEM AND DATA OPTIONS

This document briefly outlines the requirements for a Client Server network and is intended for a network administrator with a working knowledge of configuring networks.

CCS System and Data stored on local computer

The recommended CCS installation method is to retain the CCS system on each user's local computer and to provide access to all the network facilities such as backing up, centralized master and multi-user pricing. Following this approach allows users to continue working even when the server is out of operation. The users must develop a culture of backing up to the archive area on the server to avoid data loss.

CCS System and Data stored on the Network

The Network manager may choose to place the CCS System and all user data on the Network. The CCS System and data can reside locally or on a network or a combination. i.e. The system could be local while the user data is stored on the network. The speed of the network will determine whether installing the CCS user data on the network is viable, bearing in mind that CCS will be sharing the network resources with other applications. If the network is slow then the CCS System will be slow and the users will be frustrated.

Remember that if you store your data and system on the network and your network goes down for whatever reason, your estimating department may not be able to submit their tender. This may be extremely costly for your company. Our clients that have had this experience in the past have chosen to install their CCS System and data on the local computer and to make frequent backups to the network as per the CCS recommended route. If you choose to place the CCS User data or system on the network please ensure you provide your users and CCS with a 24 hour/365 day a year emergency mobile number for the network manager. If your company does not have a full time network manager available 24/7, please do not install CCS on the server as CCS will not support this installation, rather install the CCS System on each local computer.

Note that the CCS Licence, when installed on a network, will not operate on Servers running a File Operating System that does not fully comply with MS Windows32 File Operating System such as SNAP, UNIX, Linux and OS2.

SETTING UP THE SERVER COMPUTER

The Server computer is the computer on which the CCS System and Licence will reside. The following steps ensure that the Server computer is able to share the CCS System with other computers on the network.

Create and share the folder CCSAPPS on the server (Server)

On the server create the folder CCSAPPS. This folder must then be shared with full read/write access to all CCS users on the network.

Create the Common Data Areas (Server)

Create the folders:

```
\CCSAPPS\CCS
\CCSAPPS\CCSCOM
\CCSAPPS\CCSMAST
\CCSAPPS\CCSMULTI
\CCSAPPS\CCSWIN
```

in the CCSAPPS folder.

Create the user's home drive (Server)

In each user's home drive create the folder CCSDATA. This is the folder in which archive backups will be stored. For the purpose of this document, it will be assumed that the user's home drive is H.

SETTING UP THE CLIENT COMPUTERS - OPTION A (WORKSTATIONS) CCS SYSTEM AND DATA INSTALLED LOCALLY ON EACH WORKSTATION. CCS NETWORK FUNCTIONALITY EXISTS SUCH AS BACKING UP TO SERVER, MASTER AND MULTI USER PRICING ON THE SERVER

The following steps are required to ensure that the CCS System will operate on the client computers (workstations). These steps need to be completed on all workstations that will run CCS on the network.

Map the network drives (Workstation)

Create a drive mapping to CCSAPPS on the Server computer. For the purpose of this TechNote, drive X will be assumed. For the purpose of this document, it will be assumed that the user's home drive is H.

Install the CCS System (Workstation)

Install the CCS System into the folder C:\CCSWIN on each user's computer.

Set up the Common, Masters and Multi-User areas (Workstation)

Load the CCS System. Change the Common backups, Candy Network Masters and Multi-User company paths to read X:\CCSCOM, X:\CCSMAST and X:\CCSMULTI. Change the Archive backup folder to H:\CCSDATA.

Load the CCS System

Go to the Main Menu. If you see the System Registration dialog, click on *OK*.

Click on the Configure toolbar button. This toolbar button has the "hammer" icon.

Click on the *Directories* tab.

Change the Common Backups field to read *X:\CCSCOM*.

Change the Archive Backups field to read *H:\CCSDATA*.

Change the Candy network masters tab to read *X:\CCSMAST*.

Change the Multi-user company field to read *X:\CCSMULTI*.

Click on *OK*.

SETTING UP THE CLIENT COMPUTERS - OPTION B (WORKSTATIONS) CCS SYSTEM AND DATA INSTALLED CENTRALLY ON THE NETWORK SERVER. NETWORK FUNCTIONALITY EXISTS SUCH AS BACKING UP TO SERVER, MASTER AND MULTI USER PRICING ON THE SERVER

The following steps are required to ensure that the CCS System will operate on the client computers (workstations). These steps need to be completed on all workstations that will run CCS on the network.

Map the network drives (Workstation)

Create a drive mapping to CCSAPPS on the Server computer. For the purpose of this TechNote, drive X will be assumed. Create a drive mapping to the user's home directory on the server and in the user's home drive on the server create the folder CCSDATA. This is the folder in which the User's CCS data and archive backups will be stored. For the purpose of this document, it will be assumed that the user's home drive is H.

Install the CCS System on the server (Workstation or server)

Install the CCS System into the folder X:\CCSWIN.

Point the User's CCS shortcut to the System and Data to the server (Workstation)

The CCS shortcut determines where the User's CCS System and data will be found. Change the **target** line in the shortcut to point the user to where the CCS System files are stored and change the **start in** path to point where the CCS User's data is to be stored.

On the user's desktop create a shortcut and change the properties of the shortcut so the target and start in properties as follows.

Target: X:\CCSWIN

Start in: H:\CCSDATA\CCSWIN

The shortcut will now use the CCS System on the server and store the user's data on the server in the user's home directory.

Set up the Common, Masters and Multi-User areas (Workstation)

Load the CCS System and change the Common backups. Candy Network Masters and Multi-User company paths to read X:\CCSCOM, X:\CCSMAS and X:\CCSMULTI. Change the Archive backup folder to H:\CCSDATA.

Load the CCS System

Go to the Main Menu. If you see the System Registration dialog, click on *OK*.

Click on the Configure toolbar button. This toolbar button has the "hammer" icon.

Click on the *Directories* tab.

Change the Common Backups field to read X:\CCSCOM.

Change the Archive Backups field to read H:\CCSDATA.

Change the Candy network masters tab to read X:\CCSMAS.

Change the Multi-user company field to read X:\CCSMULTI.

Click on *OK*.

LICENCING THE CCS NETWORK INSTALLATION**(WORKSTATIONS)****Licencing****(Workstation)**

If the CCS System and data have been installed on the server, the CCS licence can also be installed on the server. A licence count can be set which will determine the number of concurrent users that may use CCS at any given time. i.e. If the licence count is 2, then any 2 CCS users may be sharing the CCS network licence at one time.

Changing the licence path will determine whether the licence is set on the local computer or the network. From the main menu in CCS select -> Utilities menu -> Licence menu -> Set software licence path

For a local licence the path should be set to the C: drive.

For a network licence the path should be set to the X: drive.

To install a CCS network licence please contact CCS Johannesburg on +27-11-455-1342.

How the CCS network licence operates

A CCS licence may be installed on a network and the number of CCS network licence users may be set. For example a five user CCS network licence may be set which will allow any five CCS users to access the CCS Network licence at any given moment. When the sixth user tries to access the network licence, he will not be allowed to access the licence until one of the other users has exited.

The network licence will allow any number of CCS users to share the five user counts but only a maximum of five at one time.

If a user is using a laptop and the laptop is pointing to the network licence, CCS will only operate on the laptop when the laptop is connected to the network. If the user goes to site with the laptop then CCS will not operate on the laptop as the user was using one of the CCS network licences.

Frequently asked questions:

- **Q:** The laptop user wishes to work in CCS when he is not plugged into the network.
 - A:** Install a CCS licence on the laptop which will allow the laptop user to operate at all times. When the laptop user plugs into the network, he will not use one of the CCS network licence counts and will not affect the other CCS network licence users.
- **Q:** Can a laptop user take one of the network licences home and return the licence to the network later, i.e. I have 5 licences on the network and when the laptop is unplugged he will take 1 of the 5 licences home and return it the next day?
 - A:** No, this is not possible. The onus is on the company to optimise between stand-alone and network licence counts, allowing laptop users to operate at all times.
- **Q:** If I have a stand-alone licence on my laptop can another network user access my licence while I am not using CCS?
 - A:** No, this is not possible. A stand-alone licence can only be accessed by the computer on which it is installed.
- **Q:** How does CCS charge for the network licence?
 - A:** Each CCS network licence count is charged the same way as a stand alone licence, i.e. an initial licence fee is charged with a subsequent monthly rental per system. I.e. if you have a five user CCS network licence count, CCS charges five times the initial licence fee plus five times the monthly rental for the network installation.
- **Q:** Can the user retain his CCS System and data on the local computer allowing faster processing speed but still use a CCS network licence.
 - A:** Certainly and this is the way we recommend the users operate.

- **Q:** If there is no CCS network licence installed, can the CCS users connected to the network and still take advantage of all the CCS network facilities such as backing up, shared masters and multi-user pricing.
A: Certainly but the users would require stand-alone licences to access the CCS System. The licence only determines whether the user can access the CCS System, it does not affect where the information is stored or how the data is shared.

CREATING THE NETWORK MASTER AND MULTIUSER COMPANIES

(WORKSTATIONS)

On the Chief Estimators computer only

(Workstation)

From the main menu select UTILITIES MENU -> TOOLS -> INSTALL NETWORK MASTER ACCESS
use the password: netuser to activate this option

A new Master Company will now be available on the Chief Estimators Company and job selector.

From the main menu select UTILITIES MENU -> TOOLS -> SET UP MULTI USER COMPANY

A new company will now appear on the Chief Estimator's company and job manager.

The above steps should only be completed on the Chief Estimators computer. The steps below describe how to give the user's access to the multi user company. The access to the Master network company by the other users is automatic and does not have to be installed like the multi user company access.

On each of the User's computers

(Workstation)

From the main menu select UTILITIES MENU -> TOOLS -> INSTALL MULTI USER ACCESS
A new multi user company will now appear on the User's company and job manager.

The Users should read the following CCS manuals:

"[A CCS Starter guide](#)" – this manual describes network masters, backing up and recovering data from the network

"[Candy 22- Multiuser](#)" – describes multi user functionality.