

# Security Control in KEYSTONE

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## *Access Control*

KEYSTONE has the ability to control access to the following:

- Menu Options
- Database Fields
- File Maintenance options (add, change, delete)
- Program-specific Functions

Access may be granted based on the user's security class or by the user's login name.

NOTE: Currently, there is no maintenance program—security access is granted by editing the CCTSECTL in the company database via IBConsole.

## *Sample Security Access Table*

Here is a sample CCTSECTL table with explanations:

Rec #	SECURITY CLASS	USER ID	SECTION NAME	GROUP NAME	OPTION NAME
1	99	<null>	CCMENU	OPTION	ARFMCUS
2	50	<null>	ARFMCUS	EDIT	COD_FLAG
3	30	<null>	ARFMCUS	VISIBLE	CREDIT_LIMIT
4	60	<null>	ARFMPRD	ITEM	ADD
5	70	<null>	QTFMQTE	FUNCTION	BOOKJOB
6	<null>	BOB	QTFMQTE	FUNCTION	BOOKJOB

In Rec # 1, only users with a security class of 99 will see the Customer Maintenance option on the menu.

In Rec #2, only users with a security class of 50 or higher will be allowed to change the Credit Status field in Customer Maintenance. Users with a lower security class will only be able to view the field.

In Rec #3, only users with a security class of 30 or higher will be allowed to see the Credit Limit field in Customer Maintenance. Users with a lower security class will not see the field.

In Rec #4, only users with a security class of 60 or higher will be allowed to add products in Product Maintenance. Users with a lower security class will only be able to change, delete and view products.

In Rec #5, only users with a security class of 70 or higher will be allowed to book jobs in Quote Maintenance. Users with a lower security class will not.

In Rec #6, user BOB will be allowed to book jobs in Quote Maintenance, regardless of his security class.

## Security Access Table Syntax

Here is the syntax of OPTION\_NAME for all possible values of GROUP\_NAME:

SECTION_NAME	GROUP_NAME	OPTION_NAME syntax
CCMENU	OPTION (*1)	<program basename>
<program basename>	EDIT (*2)	<DB fieldname> (*4) (*5)
<program basename>	VISIBLE (*2)	<DB fieldname> (*5)
<program basename>	ITEM (*3)	ADD   CHANGE   DELETE
QTFMQTE	FUNCTION	BOOKJOB

where <program\_basename> is the filename of the program without the extension

(\*)Notes:

1. OPTION is only supported for the KEYSTONE menu (CCMENU.)
2. There is currently no way to specify a tablename in the case where the same field exists in two different tables.
3. ITEM is only supported for file maintenance programs.
4. An asterisk (\*) may be used in place of DB\_fieldname to indicate all fields.
5. The form name followed by a period (.) may be prepended to DB\_fieldname to indicate a specific field on a specific form within the program.

## GROUP\_NAME Definitions

### OPTION

Controls visibility of menu options

SECTION\_NAME must be CCMENU

OPTION\_NAME is the filename of the menu option without the extension

### EDIT

Controls ability to edit a specific database field in a specific program

SECTION\_NAME is the filename of the program without the extension

OPTION\_NAME is the database field name

### VISIBLE

Controls visibility of a specific database field in a specific program

SECTION\_NAME is the filename of the program without the extension

OPTION\_NAME is the database field name

### ITEM

Controls file maintenance functions within a specific file maintenance program

SECTION\_NAME is the filename of the program without the extension

OPTION\_NAME can be one of ADD, CHANGE, DELETE

### FUNCTION

Controls program-specific functions

SECTION\_NAME is the filename of the program without the extension

OPTION\_NAME is the program-specific function

### *Standard security functions*

KEYSTONE has the ability to control certain functions through the security control table. These functions are listed below.

SECTION_NAME	GROUP_NAME	OPTION_NAME	Controls Access To
QTFMQTE	FUNCTION	BOOKJOB	Ability to book quotes as jobs
CCMENU	FUNCTION	SUPERUSER	All menu functions & Reassign serial #
CCUTQXP	FUNCTION	UPDATEQUERY	INSERT, UPDATE and DELETE Queries
ARFMCUS	FUNCTION	SHOWHISTORY	Customer history information
ARFLCUS	FUNCTION	SHOWHISTORY	Customer history information

## *Database-level Security*

KEYSTONE provides the ability to setup an alternate password for the SYSDBA and CCWIN database users.\* To do this, follow these steps:

1. Using IBConsole, change the InterBase server password for the SYSDBA and CCWIN users. (You MUST use the same password for both users.)
2. Copy the AKEYGEN.EXE program to the customer's computer that will be running the KEYSTONE Application Server.
3. Run the AKEYGEN.EXE program.
4. Enter the password that was setup using IBConsole in step 1. (Case is important and must match!)
5. Click the "Generate Key" button.
6. Edit the CCWIBSV.INI file located in the CUST\SETTINGS folder under the KEYSTONE root directory. (If one does not exist, copy the CCWIBSV.INI from the SETTINGS folder into CUST\SETTINGS.)
7. At the end of the [IBServer] section, add this line:  
  
AccessKey=<Access Key value from AKEYGEN program>
8. Save the CCWIBSV.INI file.
9. Run KEYSTONE to verify that the system starts normally.

### **\*NOTE:**

You can (and should) change the password for the other KEYSTONE users (CCWSYS, CCWUSER and CCWVIEW) as you see fit, but it is recommended that you choose a DIFFERENT password than the one you use for SYSDBA and CCWIN.