

Chapter 7

Using the Card Generator

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Logging In and Exiting the Card Generator

1. On the desktop, click the **Card Generator** icon. The Login window appears.
2. In the **User Name** field, enter the user name.
3. In the **Password** field, enter the password.
4. Click **OK**.
5. To exit the Card Generator, select **Exit** from the File menu.

Creating Users

You can define three types of users on the Card Generator:

- **Priority:** Have full administrative access to all functions, including Event Viewer, Users and Groups (User Management) and System Options screens.
- **Management:** Can create and export recharge voucher batches.
- **Clerical:** Can view recharge voucher batches and change the status of batches.

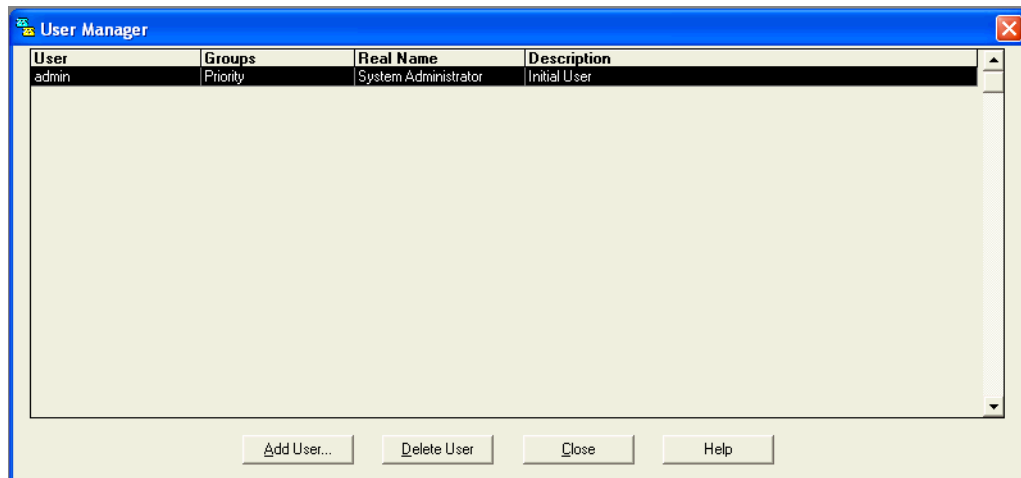


NOTE

There can be only one Priority user. The Priority user is created when the Card Generator is initially installed.

1. From the Administrative menu, click **Users and Groups**. The User Manager window, shown in [Figure 25, “User Manager Window,”](#) appears, listing all currently defined users and the group to which they belong.

Figure 25 User Manager Window



2. Click **Add User**. The Add User window, shown in [Figure 26, “Add User Window,”](#) appears.

Figure 26 Add User Window

3. In the **Login Name** field, enter a user name (no longer than twenty characters).
4. In the **Group** field, select the group (Management or Clerical) to which the user is assigned.
5. In the **Real Name** field, enter the user's full name (optional).
6. In the **Description** field, enter a description of the user's role or similar information (optional).



When you create a Management or Clerical user, the system does not automatically assign a password. The system requires the user to set a password before logging in to the system for the first time.

Deleting Users

The following procedure describes how to delete a user.

1. In the User Manager window, select the user's name.
2. Click **Delete User**. A confirmation dialog box appears. Click OK to delete the user from the database.



A Card Generator user cannot be deleted while that user is logged in.

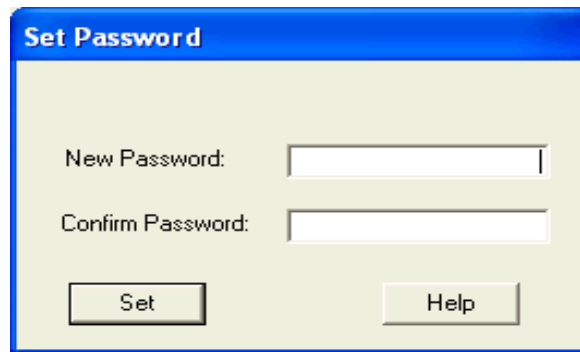
Setting a Password

You must define a password the first you log in to the system.


1. When logging in for the first time, at the Login window, in the **User Name** field, enter your username.
2. Click **OK**. If the Card Generator recognizes this as your first login, the **First Time Login** dialog box, shown in [Figure 27, "First Time Login Dialog Box,"](#) appears.


Figure 27 First Time Login Dialog Box

3. Click **OK**. The Set Password window, shown in [Figure 28, "Set Password Window,"](#) appears.

Figure 28 Set Password WindowA screenshot of a 'Set Password' dialog box. The title bar is blue with the text 'Set Password' in white. The main area has a light beige background. It contains two text input fields: 'New Password:' and 'Confirm Password:'. Below the fields are two buttons: 'Set' and 'Help'.

4. In the **New Password** field, enter a new password.
5. In the **Confirm Password** field, reenter the password to confirm.

 **NOTE** For security reasons, the actual passwords are not shown.

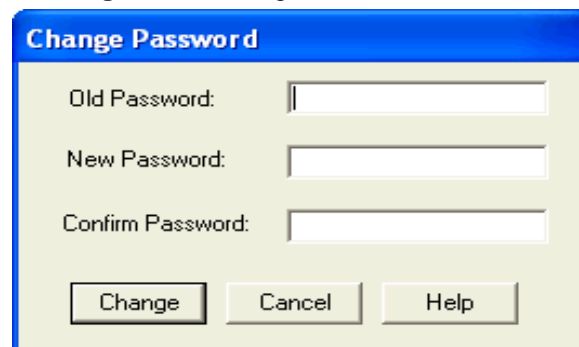
 **NOTE** The passwords you enter in the **New Password** and **Confirm Password** fields must be exactly the same. If they are not the same, an error prompt appears and you must again attempt to set the password.

6. Click **Set**. The system saves the new password logs you in.


Changing an Existing Password

The following procedure describes how to change an existing password.

1. From the Administrative menu, select **Change Password**. The Change Password window, shown in [Figure 29, "Change Password Window,"](#) appears.

Figure 29 Change Password WindowA screenshot of a 'Change Password' dialog box. The title bar is blue with the text 'Change Password' in white. The main area has a light beige background. It contains three text input fields: 'Old Password:', 'New Password:', and 'Confirm Password:'. Below the fields are three buttons: 'Change', 'Cancel', and 'Help'.

2. In the **Old Password** field, enter your current password.
3. In the **New Password** field, enter a new password.
4. In the **Confirm Password** field, reenter the password to confirm.

 **NOTE** For security reasons, the actual passwords are not shown.

**NOTE**

The passwords entered in the **New Password** and **Confirm Password** fields must be exactly the same. If they are not, an error message appears.

5. Click **Change**.

Creating Voucher Batches

The primary task of the Card Generator is to create batches of recharge vouchers cards.

Modifying Default Values

When you installed the Card Generator, you configured the default values that Card Generator uses to create a batch of vouchers. Afterwards, you can modify many of these default values in the four Options windows.

1. From the Administrative menu, select **System Options**. The Options window, shown in [Figure 30. "Options - System Properties Tab."](#) appears with the System Properties tab active.

Figure 30 Options - System Properties Tab

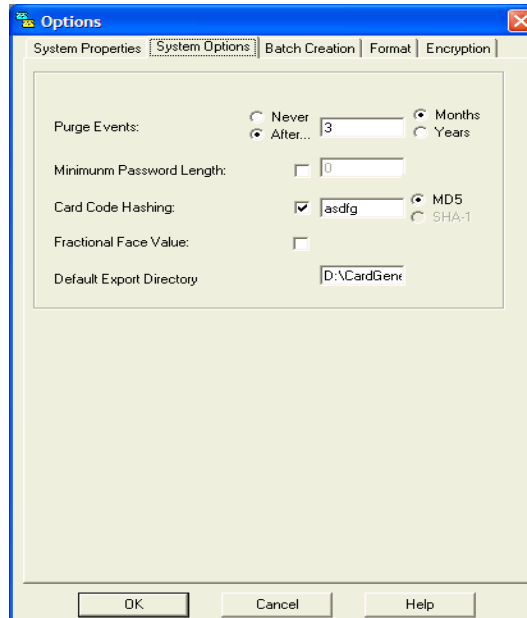
2. On the **System Properties** tab, add and remove reseller names, primary offers, bundles, languages, and recharge class (the values added are available in dropdown selection lists when you later create batches).

**NOTE**

Operators must be careful to ensure that the combination of Reseller and Reseller ID specified for a card batch in the Card Generator configuration or System Options is accurate. Card Generator does not validate this pair before creating a new batch, and CC Batch does not perform any data validation on batch load.

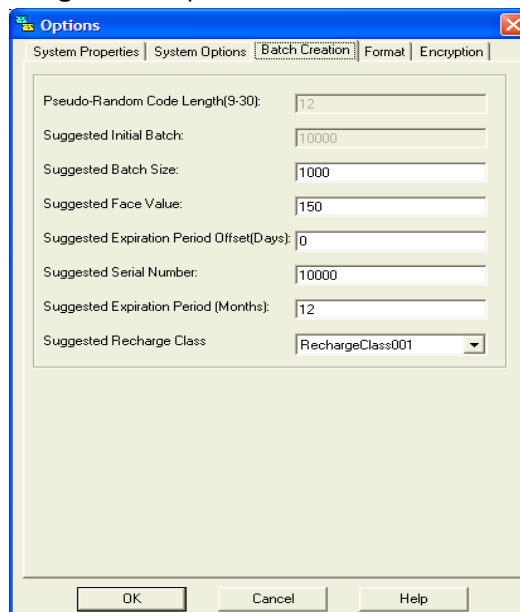
3. Click the **System Options** tab, shown in [Figure 31, “Options - System Options Tab.”](#) and modify purge events, password information, hashing, fractional face value, and export directory as necessary.

Figure 31 Options - System Options Tab



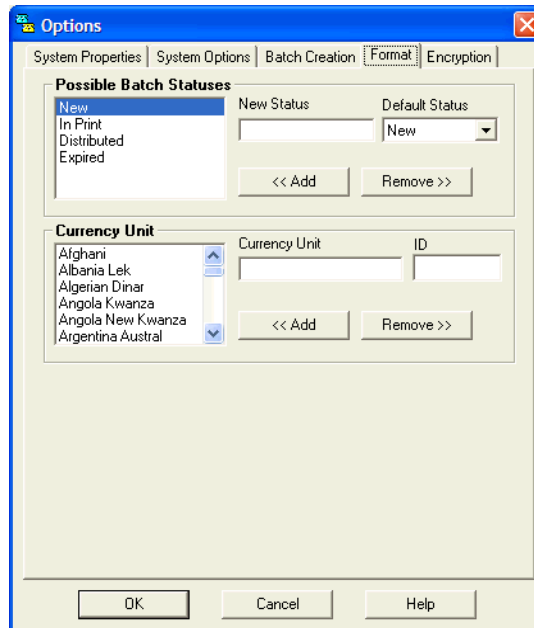
4. Select the **Fractional Face Value** checkbox to enable a fractional value with up to six decimal places.
5. Select the **Batch Creation** tab, shown in [Figure 32, “Options - Batch Creation Tab.”](#) Modify the default batch-related information as necessary.

Figure 32 Options - Batch Creation Tab



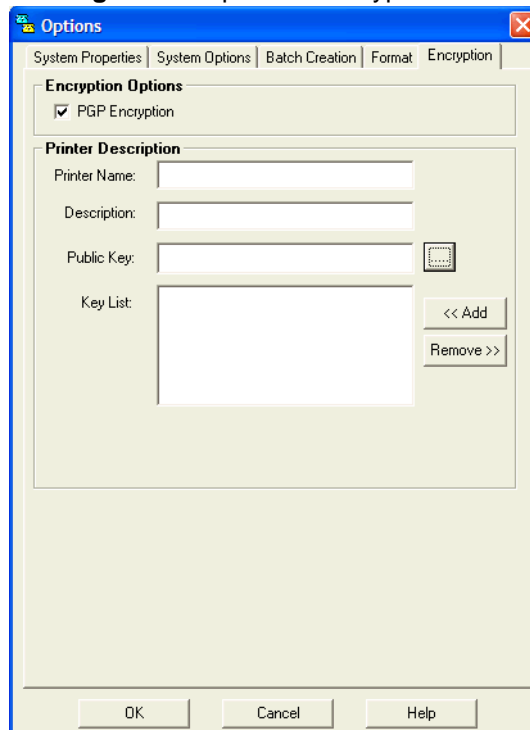
6. Select the **Format** tab, shown in [Figure 33, “Options - Format Tab.”](#) Modify format-related information as necessary.

Figure 33 Options - Format Tab



7. Select the **Encryption** tab, shown in [Figure 34, "Options - Encryption Tab."](#)

Figure 34 Options - Encryption Tab



8. On the **Encryption** tab, enable or disable PGP encryption. Also add and remove printer definitions (the values added are available in dropdown selection lists when exporting voucher batches).
9. Click **OK**. The changes are saved on all five tabs and the Options window closes.

Creating a Batch of Recharge Vouchers

Batches of recharge vouchers are created in the **Recharge Batch** window.

1. From the Cards menu, select **Recharge Card**. The Recharge Card Batch Information window, shown in [Figure 35, "Recharge Card Batch Information Window,"](#) appears.

Figure 35 Recharge Card Batch Information Window

Batch No.	Exported	Status	Start SN	No. of Cards	Reseller	Value	Currency Unit	Recharge Class	Creation Date	Expiration Date	Date Offset	Distributor	Phone
10002	No	New	10000	1000	Global Rese	150	US Dollars	RechargeClass001	6/2/2011	6/2/2012	0		0
10001	No	New	10000	1000	Global Rese	150	Euro	RechargeClass001	6/2/2011	6/2/2012	0	Dist1	0
10000	No	New	10000	1000	Global Rese	150	Alghani	RechargeClass001	6/2/2011	6/2/2012	0	Dist1	1

Total Batches: 3 Total Cards: 3000 Total Face Value: 450000

Change Status **New** Export... Refresh Sort... Filter... Print... Close Help

11:53 AM

2. Click **New** or from the Batch menu, select **New**. The Recharge Batch window, shown in [Figure 36, "Recharge Batch Window,"](#) appears.

Figure 36 Recharge Batch Window

The screenshot shows a 'Recharge Batch' window with the following fields and values:

- Reseller Name: Global Reseller
- Batch Number: 10002
- Number of Cards: 1000
- Face Value: 150
- Currency Unit: (empty dropdown)
- Recharge Class: RechargeClass001
- Expiration Period Offset: 0
- Starting SN: 10000
- Expiration(mm-dd-yy): 6, 2, 2012
- Phone Book Change Allowed:
- Distributor: (empty text field)
- Comment: (empty text area)

At the bottom, it displays 'User: admin', 'Date: 6/2/2011', and buttons for 'Create', 'Cancel', and 'Help'.

- From the **Reseller** dropdown list, select the name of the reseller.



NOTE

All of the default values referred to in the following steps are the values configured in the fields during the initial set up of the Card Generator. For example, the default value shown in the Number of Cards field is the value configured in the Suggested Number of Cards field in the configuration window.

- The default batch number is shown in the **Batch Number** field. To change it, type over the existing number. The batch number can be no longer than six digits and cannot be the same as an existing batch number.
- The default number of vouchers to be created is shown in the **Number of Cards** field. To change it, type over the existing number. The number can be no longer than six digits.
- The default face value of the vouchers is shown in the **Face Value** field. To change it, type over the existing number.
- From the **Currency Unit** dropdown list, select the currency unit.
- The default recharge class of the vouchers is shown in the **Recharge Class** field. To change it, select a new recharge class.
- The default expiration period offset of the vouchers, in days, is shown in the **Expiration Period Offset** field. To change it, type over the existing number.
- The default starting serial number is shown in the **Starting SN** field. To change it, type over the existing number.
- The default voucher expiration date is shown in the **Expiration (mm-dd-yy)** fields. This date can be changed by selecting a different date in one or more of the three dropdown lists: month, day, or year.

12. Check the **Phone Book Change Allowed** checkbox to indicate that the system checks if the primary offer allows subscribers to change Friends and Family phonebook information (via IVR) upon a successful recharge.
 - If **Phone Book Change Allowed** is checked, the calling party can change F&F information via IVR after a successful recharge.
 - If this checkbox is not checked, Comverse ONE does not check if the primary offer is defined to allow a subscriber F&F phonebook change.

**NOTE**

The subscriber and phonebook prefix associations must first be defined in the Product Catalog. Refer to the Product Catalog User Guide for details on configuring these associations.

13. In the **Distributor** field, enter the name of the distributor. The name can be no longer than eight characters, and is optional.
14. In the **Comment** field, enter any comments about the batch. This field is optional.
15. Click **Create**. A message box with the message **Batch Created** appears.

A message box appears with a Batch Creation error message if one of the following conditions exists:

- A required field has not been filled in.
- Parameters are not valid.
- Parameters are not within the permitted range.

Correct the inaccurate information indicated in the message and click Create again.

Working with Voucher Batches

The Card Generator enables users to display lists of batches, sort the lists, and view filtered lists of batches as part of the voucher batch management process.

Batch Information Window

The Batch Information window displays detailed information about each batch that was created.

To view a list of batches, from the Cards menu, select **Recharge Card**. The Recharge Card Batch Information window appears.

Figure 37 Batch Information Window

Batch No.	Exported	Status	Start SN	No. of Cards	Reseller	Value	Currency Unit	Recharge Class	Creation Date	Expiration Date	Date Offset	Distributor	PhoneBook Change
10002	No	New	10000	1000	Global Rese	150	US Dollars	RechargeClass001	6/2/2011	6/2/2012	0	Dist1	0
10001	No	New	10000	1000	Global Rese	150	Euro	RechargeClass001	6/2/2011	6/2/2012	0	Dist1	0
10000	No	New	10000	1000	Global Rese	150	Alghani	RechargeClass001	6/2/2011	6/2/2012	0	Dist1	1

Total Batches: 3 Total Cards: 3000 Total Face Value: 450000

Change Status

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The **Recharge Card Batch Information** window, shown in [Figure 37, "Batch Information Window,"](#) displays the following columns:

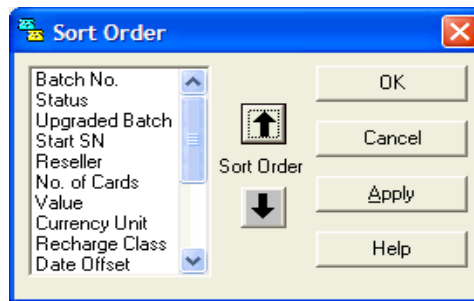
- **Batch No.:** The number of the batch.
- **Exported:** The date the batch was exported.
- **Status:** The status of the batch. Batch status can be New, In Print, Distributed, Expired, or any other user-defined status.
- **Start SN:** The first serial number of the batch.
- **No. of Cards:** The number of vouchers in the batch.
- **Reseller:** The reseller's name.
- **Value:** The face value of the vouchers in the batch.
- **Currency Unit:** The unit of the face value of the vouchers in the batch, either a currency or time unit.
- **Recharge Class:** The recharge class associated with the current batch.
- **Creation Date:** The date of creation of the batch.
- **Expiration Date:** The expiration date of the current batch.
- **Date Offset:** Number of days the recharge voucher adds to the expiration date of the recharged entity.
- **Distributor:** The distributor that ordered the batch.
- **PhoneBook Change:** Indicates if this checkbox was selected for the batch. 1 = yes. 0 = no.
- **Upgraded:** Indicates if the recharge card batch entry was migrated from an earlier Card Generator Version. If the value is set to "Yes", then the recharge card batch cannot be exported again.
- **User:** The user who created the batch.
- **Comment:** Comments about the batch.

Sorting a List of Batches

To organize a long list of batches, users can sort batches based on any of the columns in the **Recharge Card Batch Information** window, in any priority desired.

1. From the Cards menu, select **Recharge Card**. The Recharge Card Batch Information window appears.
2. Click **Sort**. The Sort Order window, shown in [Figure 38, "Sort Order Window,"](#) appears.

Figure 38 Sort Order Window



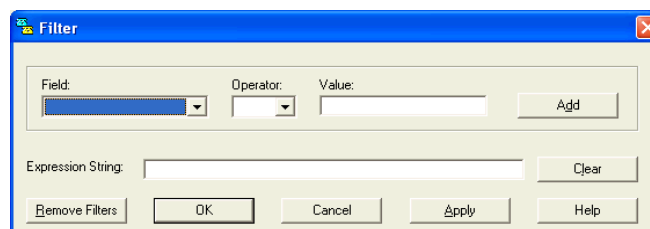
3. Select a parameter from the scrolling list on the left and use the **Sort Order** arrow buttons to move the parameter up or down in the list.
4. Continue moving individual parameters until they are in the desired order, from top to bottom.
5. Click **Apply** to sort the list.
6. Click **OK** to close the Sort Order window. The list displayed in the Recharge Card Batch Information window is sorted by the criteria provided.

Filtering a List of Batches

The list of batch records can be shortened by filtering the list based on parameter(s) and parameter value(s). The list can be filtered to include only the batches that contain the information selected or that contain specified value(s) for the selected parameter(s). Batches can be filtered based on any of the columns in the **Recharge Card Batch Information** window.

1. From the Cards menu, **Recharge Card**. The Recharge Card Batch Information window appears.
2. Click **Filter**. The Filter window, shown in [Figure 39, "Filter Window,"](#) appears.

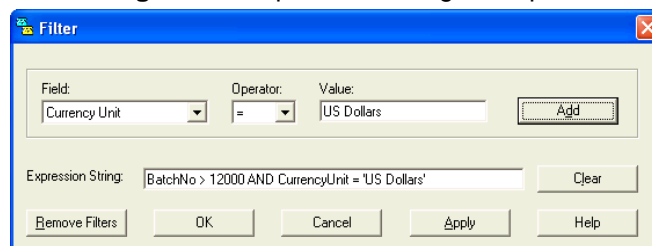
Figure 39 Filter Window



3. From the **Field** dropdown list, select a field to filter on:
4. From the **Operator** dropdown list, select an operator to filter a selection of parameters:
 - = equals
 - <> less than or greater than
 - > greater than
 - < less than

- \geq greater than or equal to
 - \leq less than or equal to
5. In the **Value** field, enter the value(s) relevant to the selected field and operator. For example: **BatchNo > 12000**, where BatchNo is the field, > is the operator and 12000 is the value. This returns only records with a batch number greater than 12000.
 6. Click **Add**. The **Expression String** field shows the combination of the selected Field(s), Operator(s) and Value(s).
 7. To add more filtering parameters, repeat steps 3 through 6. Additional parameters are concatenated with AND. The example in [Figure 40, "Expression String Example."](#) shows the field Currency Unit with the = operator and a value of US Dollars, concatenated with the BatchNo > 12000 entry.

Figure 40 Expression String Example



8. When finished entering parameters, click **Apply**. The list of batches in the Recharge Card Batch Information window is filtered based on the filter you created.

There are several command buttons that can be used with the filtering process:

- **Remove Filters:** Click to discard all information in the Expression String window.
- **OK:** Click to complete the action and close the window.
- **Cancel:** Click to discard any information in the Expression String field and close the window.
- **Apply:** Click to complete the action without closing the window.

Printing a List of Batches

You can print lists of batches whether or not a filtering parameter was used.

1. From the Cards menu, select **Recharge Card**. The Recharge Card Batch Information window appears.
2. Click **Print**. The Print dialog box appears.
3. Click **OK**. The list of batches prints to the default printer.

Deleting Batches

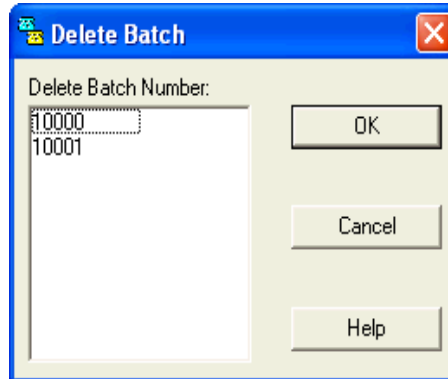
To delete a batch, the batch must either be:

- Exported from the database and expired.
- Not exported.

1. From the Cards menu, select **Recharge Card**. The Recharge Card Batch Information window appears.
2. From the Batch menu, select either **Delete Non-exported Batch** or **Delete Exported Expired Batch**. The Delete Batch window, shown in [Figure 41, "Delete Batch Window,"](#) appears.

Only batches that can be deleted are listed in the Delete Batch window.

Figure 41 Delete Batch Window



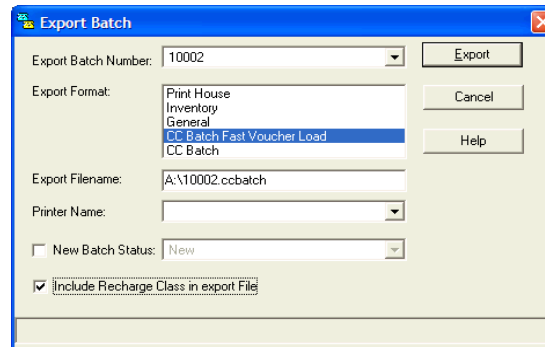
3. From the **Delete Batch Number** list, select the batch to delete.
4. Click **OK**. The batch is deleted.

Creating Batch Export Files

The Card Generator creates export files for the print house, the rating database, and for inventory control.

1. From the Cards menu, select **Recharge Card**. The Recharge Card Batch Information window appears.
2. From the Batch menu, click **Export**. The Export Batch window, shown in [Figure 42, "Export Batch Window,"](#) appears.

Figure 42 Export Batch Window



3. From the **Export Batch Number** dropdown list, select the batch number of the batch to export.
4. In the **Export Format** list box, select the appropriate export format. Select one of the following formats:
 - ❑ **Print House:** Text format file with .txt extension.
 - ❑ **Inventory:** Text format file with .inv extension.
 - ❑ **General:** Text format file with .gen extension.
 - ❑ **CC Batch Fast Voucher Load:** XML format file with .ccbath extension
 - ❑ **CC Batch:** XML format file with .ccbath extension.

- In the **Export Filename** field, enter the filename and path to which the batch is exported. The default filename is set during installation of the Card Generator. It can be changed for each batch as required.



NOTE Large batches might not fit on a CD.

- In the **Printer Name** field, select the printer name that represents the desired print house.



NOTE The **Printer Name** field is visible only if you enabled PGP encryption during installation or configuration.

- Check the **New Batch Status** checkbox to change the status of the batch.
- From the **New Batch Status** dropdown list, select the current status of the batch process (**New**, **In Print**, **Distributed**, or **Expired**, or any other user-defined status set during the configuration procedure). If the **New Batch Status** checkbox is selected, the Status column in the Batch Information window is updated to display the status selected to the right of the checkbox (**New**, **In Print**, **Distributed**, or **Expired**). If the checkbox is not selected, the status column remains unchanged.
- Check the **Include Recharge Class in export File** checkbox if you want to include the recharge class in the export file.



NOTE The **Include Recharge Class in export File** checkbox is not available if you select **Inventory** as the export format.

- Click **Export**. If PGP encryption is enabled in the **Encryption** tab of the Options window, Card Generator exports the batch in encrypted format. Otherwise, the batch is exported in non-encrypted format. For information about enabling PGP encryption, see [“Modifying Default Values,” on page 76](#).

Batch Export File Format

A predefined export file format for recharge voucher batches, `format_rfile.txt`, is loaded from the initialization files. This file is located in the same directory as the `CardGenerator.exe` executable file, typically `C:\Program Files\Comverse\Card Generator3.2.0\`.

The following is an example of an export format:

```
BEGIN "Inventory"
date_format="ddmmyyyy"
header_format="<8,batch_no><8,batch_start_sn><8,batch_count><create_
date><user,8><exp_date><9,face_value>\r\n"
filename_format="<batch_no>.inv"
filename_date_format="mmddy"
END
```

In this case, the filename date format is `mmddy`, but the header, record, and trailer date formats is `ddmmyyyy`.

The header can contain any combination of the following parameters, or all of them:

- **batch_no**: The batch number

- **batch_start_sn:** The starting serial number of the batch
- **batch_count:** The number of vouchers in the batch.
- **create_date:** The creation date of the batch.
- **user:** The username of the user who created the batch.
- **exp_date:** The expiration date of the vouchers in the batch.
- **face_value:** The face value of the vouchers in the batch.

[Table 10, “Recharge Voucher Variables”](#) shows the complete list of variables.

Table 10 Recharge Voucher Variables

Recharge Voucher Variables
batch_no
batch_status
batch_start_sn
batch_count
face_value
date_offset
distributor
create_date
exp_date
card_code
hashed_card_code
unhashed_card_code
card_serial
code_length
reseller_name
reseller_id
currency_name
currency_id
user
comment
current_date
current_time
phonebook_change
upgraded_batch
marketsegment_name
marketsegment_id
printer_name
printer_desc

The basic rules for export files are as follows:

1. There can be only one header and one trailer (these can take up multiple lines, if specified in the format string).
2. One record is printed for each voucher.

3. The header, record, and trailer are all optional. An export file, for example, can display only a batch number and a creation date.

Fixed-Length Fields

For fixed-length fields; use `<n,variable>` to truncate or pad the beginning of the field if there are more or less than `n` characters. Use `<variable,n>` to truncate or pad the end of the field.

In the following examples, the batch number "0014589" is used:

- Use `<5,batch_no>` for output 14589.
- Use `<batch_no,5>` for output 00145
- Use `<10,batch_no>` for output 0000014589
- Use `<batch_no,10>` for output 0014589000

String and Date Variables

String variables are padded with spaces. Numeric variables are padded with zeros. Date variables use a format string rather than padding or truncating.

A date format string for each format that uses a date variable must be included.

- For `header_date_format="d/m/y"`
- For `record_date_format="mm/yy"`
- For `trailer_date_format="d-mm-yyyy"`
- For `filename_date_format="ddmmyy"`
- For `format="d-m-yyyy"` (global, this automatically set all four date formats)

A different date format for each format string can be defined but the same date format within a string must be included.

- For `header_date_format="dd-mm-yy"`
- For `header_format="<create_date>\l"`
- For `trailer_date_format="mm/yyyy"`
- For `trailer_format="<batch_no>,<exp_date>\l"`

The following is an example of the output:

```
30-11-08
10086,12/2008
```

Time Formats

Time formats are done the same way, except the identifier names are different.

- `time_format="h:m:s"`
- `header_time_Format="hh:mm"`
- `record_time_format="h-mm-s"`
- `trailer_time_format="hms"`

There is no filename time format since the `current_time` variable is not available for this format.

Standard Fields

For standard fields, use `<variable>`. Example: Use `<batch_no>` for output 0014589

Any endline characters (carriage return, linefeed) must be placed in the format string.

- "\r" for carriage return
- "\l" for linefeed
- "\r\l" if both are used, carriage return comes first

Additional Formatting Information

The backslash, preceding a character, is used as the “escape” character to indicate that the character following the backslash should be interpreted as a character and not as part of the format string. The characters \, <, >, and double quotes can be printed with the following \-letter combinations:

- \\ - prints \
- \> - prints >
- \< - prints <
- \q - prints "

For each export format, an export filename can be specified using the variables listed in [Table 11, “Recharge Voucher Export Filename Variables.”](#)

- The export filename format is specified using filename_format=""
- The date format is specified using filename_date_format="" or the global date_format=""

Table 11 Recharge Voucher Export Filename Variables

Recharge Voucher Export Format
batch_no
distributor
create_date
exp_date
reseller_name
reseller_code
user
current_date



NOTE

Within a format structure, the lines are read in sequence. Any later line overrides a previous line.

Export Formats

The following formats have been implemented for a recharge voucher in the **format_rfile.txt** file. They can be modified as necessary.

Within the application, the formats (identified with the BEGIN statement) are shown in the dropdown list in the order in which they are listed in the **format_rfile.txt** file. The first format in the file is always the default.

```
BEGIN "Print House"
date_format="ddmmyyyy"
header_format="<8, batch_no>, <8, batch_start_sn>, <8, batch_count>,
<create_date>, <user, 8>, <exp_date>, <9, face_value>, <6, date_offset>,"
```

```

<1,phonebook_change><recharge_class>\r\l"
record_format="<8,card_serial><16,card_code>\r\l"
filename_format="<batch_no><printer_name><printer_desc>.txt"
END

BEGIN "Inventory"
    date_format="ddmmyyyy"
    header_format="<8,batch_no><8,batch_start_sn><8,batch_count>
<create_date><user,8><exp_date><9,face_value>\r\l"
    filename_format="<batch_no>.inv"
END

BEGIN "General"
    date_format="ddmmyyyy"
    header_format="<8,batch_no><8,batch_start_sn><8,batch_count><create_
date><user,8><exp_date><9,face_value>\r\l"
    record_format="<4,batch_no><6,card_serial>,<card_code>,<hashed_card_
code>,<unhashed_card_code>,<marketsegment_id>,<marketsegment_name>,<recharge_
class>\r\l"
    filename_format="<batch_no>.gen"
END

BEGIN "CC Batch Fast Voucher Load"
date_format="yyyy-mm-dd"
    header_
format="\wBatch\x\r\wCreateVoucherBatch\x\r\wCommon\x\r\wBatchNumber\x<batch_
no>\w\BatchNumber\x\r\wCardId\x<batch_start_
sn>\w\CardId\x\r\wState\xIdle\w\State\x\r\wSerialNumber\x<batch_start_
sn>\w\SerialNumber\x\r\wbatch_count\x<batch_count>\w\batch_
count\x\r\wReseller\x<reseller_name>\w\Reseller\x\r\wFaceValue\x<face_
value>\w\FaceValue\x\r\wCurrencyUnit\x<currency_
name>\w\CurrencyUnit\x\r\wrechargeClassId\x<recharge_
class>\w\rechargeClassId\x\r\wdate_offset\x<date_offset>\w\date_
offset\x\r\wExpirationDate\x<exp_date>\w\ExpirationDate\x\r\wcreate_
date\x<create_date>\w\create_
date\x\r\wDistributor\x<distributor>\w\Distributor\x\r\wChangePhonebook\x<phonebo_
ok_change>\w\ChangePhonebook\x\r\w\Common\x\r\wVouchers\x\l"
record_format="\wCodeNumber\x<card_code>\w\CodeNumber\x\r"
trailer_format="\w\Vouchers\x\r\w\CreateVoucherBatch\x\r\w\Batch\x\r"
filename_format="<batch_no>.ccbatches"
END

BEGIN "CC Batch"
    date_format="yyyy-mm-dd"
    header_format="\wBatch\x\r"
    record_format="\wvoucherCreate\x\r\wVoucherObject\x\r\wbatchNumber\x<batch_no>\
w\batchNumber\x\r\wserialNumber\x<card_serial>\w\serialNumber\x\r\
wcodeNumber\x<card_code>\w\codeNumber\x\r\wacctExpOffset\x<date_offset>\w\
/acctExpOffset\x\r\wchangePhonebook\x<phonebook_change>\w\changePhonebook\
x\r\wcurrencyUnit\x<currency_name>\w\currencyUnit\x\r\wdistributor\
x<distributor>\w\distributor\x\r\wexpirationDate\x<exp_date>\w\
/expirationDate\x\r\wexpireOffset\x<date_offset>\w\expireOffset\

```

```
x\r\wfaceValue\x\r\wlongValue\/\x\r\wvalue\x<face_value>w\/value\x\r\w\
/faceValue\x\r\widentityId\/\x\r\worderNumber\/\x\r\wprominExpOffset1\
/\x\r\wprominExpOffset2\/\x\r\wprominValue1\/\x\r\wprominValue2\/\x\r\
wrechargeServerId\/\x\r\wshipDate\/\x\r\wspName\x<reseller_name>w\/
spName\x\r\wstate\x1w\/state\x\r\wsubscriberId\/\x\r\wucardCos\
/\x\r\wucardSp\/\x\r\wvoucherType\x0w\/voucherType\x\r\w\
/VoucherObject\x\r\w\/voucherCreate\x\r"
trailer_format="\w\/Batch\x\r"
filename_format="\<batch_no>.ccbath"
```

END

Event Viewer

The Event Viewer window displays the Card Generator event log. The Filter feature can be used to selectively display events by time range and event type. Because the tool is highly sensitive, every event or user operation is recorded in the event log. The following events are recorded:

- Failed login attempts
- Successful logins
- Logging out
- Creating a new batch
- Deleting a batch
- Exporting a batch
- Changing the status of a batch
- Adding a new user
- Purging old records

Select **Event Viewer** from the Administrative menu. The Events window, shown in [Figure 43, "Events Window."](#) appears.



Click **Refresh** to update the Events window with current information.

Figure 43 Events Window

User	Groups	Date	Time	Event
admin	Priority	9/17/2009	14:49:01	User login
admin	Priority	9/17/2009	14:59:07	New user added - manager1
admin	Priority	9/17/2009	14:59:58	User logout
manager1	Management User	9/17/2009	15:04:29	User set password
manager1	Management User	9/17/2009	15:04:29	User login
manager1	Management User	9/17/2009	15:06:12	User logout
'smurphy'	-	9/17/2009	15:06:35	WARNING-Failed login attempt
'Comverse'	-	9/17/2009	15:06:42	WARNING-Failed login attempt
manager1	Management User	9/17/2009	15:08:32	User login
manager1	Management User	9/17/2009	15:08:40	User logout
'comverse'	-	9/17/2009	15:09:20	WARNING-Failed login attempt
'Comverse'	-	9/17/2009	15:09:26	WARNING-Failed login attempt
'smurphy'	-	9/17/2009	15:16:07	WARNING-Failed login attempt
'Comverse'	-	9/17/2009	15:16:13	WARNING-Failed login attempt
admin	Priority	9/17/2009	15:17:11	User login
admin	Priority	9/17/2009	15:31:30	Batch created
admin	Priority	9/17/2009	15:31:50	Batch created

The following information columns are shown:

- **User:** Name of the user logged in when the event was performed or occurred.
- **Groups:** Group (Priority, Management, or Clerical) to which the user belongs.

- **Date:** Date the event occurred.
- **Time:** Time the event occurred.
- **Event:** Short description of the event.
- **Batch No.:** Batch number of the vouchers processed during this event.

Batch Creation Error Messages

The following messages are related to batch creation errors:

```
Batch number already exists. The next free number is [next available unused
batch number goes here]
Batch Number must be greater than zero
Must specify batch number
Batch Number must be an integer
Must specify number of cards
Number of cards exceeds 100,000
Number of cards must be greater than zero
Number of cards must be an integer
Must specify face value
Face value should be equal or greater than 0
Must specify starting Serial Number
Serial Number should be equal or greater than 0
Serial Number must be an integer
Must specify date of expiration
Expiration Date must be later than current date
Expiration Period Offset must be equal or greater than zero
Expiration Period Offset must be an integer
Face value and expiration period offset cannot both be zero
Must specify date of expiration
Expiration Date must be later than current date
```