PosteCSä
Volume Transaction Processing
V3.0
User's Guide

Version: 3.0

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Chapter 1. PosteCS Volume Transaction Processing Overview

Overview   The Volume Transaction Processing application allows PosteCS customers (account holders) to create, track, and receive large volumes of PosteCS transactions (packages) automatically without using the browser. The intention is for PosteCS customers to obtain the application and install it at their sites.

The application is available to qualified customers through a simple request on the Canada Post Corporation Web site (www.canadapost.ca/vtp). The application and its executables will be sent to the requesting customers via PosteCS. Once installed, customers can create an input file that will contain all of the information needed to send PosteCS packages. On execution of the PosteCSSend executable, the data from the input file will be read and acted upon accordingly. Each record from the input file will be executed and will result in the sending of packages through a secure SSL connection with the PosteCS server. The PosteCS server will create the packages, send out the notifications, and perform all package processing. When receiving packages the PosteCSReceive executable will automatically receive the PosteCS packages to predefined directory paths and in accordance with identified parameters. The executables generate log files and exception files to document their processing results. In addition, there is a PosteCS Track executable that provides tracking information for packages sent.

The functionality is provided by three separate executables:

1. **The Volume Transaction Sending Application, PosteCSSend** provides the ability to automatically create and send packages while preserving the core functionality of PosteCS. This executable can either accept packages data from the command line or an input file. The application reads an input file and will create the package(s), connect to PosteCS Server and send multiple or single package(s). For each package, it will generate an entry in a log file showing either success or failure when creating the package(s). Any failure will also be log in an exception file.
2. **The Volume Transaction Tracking Application, PosteCSTrack,** provides the ability to automate the creation of tracking data on packages sent by an account. It will accept selection criteria and generates tracking information for all packages meeting the criteria. The tracking information will be written to a text file.
3. **The Volume Transaction Receiving Application, PosteCSReceive,** provides the ability to automatically download attachments and/or text message of a package received in a PosteCS account. There are specific criteria that must be entered when downloading the attachments and/or messages.

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Chapter 2.   Installation

System Specifications

The following is required to install and run the Volume Transaction Processing software:

.   Minimum Memory (RAM): 128 MB
.   Minimum Disk Space: 1 GB
.   Unzip utility: Windows Winzip, Tar

A valid PosteCS account is required to run the applications. If you don't have an account yet, you can auto-enroll yourself through: https://cpc.postecs.com/enroll or call PosteCS Help Desk at 1-866-511-0546.

Windows Installation

Download the application from the Web or receive it via PosteCS.

Before executing the VTP client software, follow the installation steps:

Step	Action
1.	Login as administrator.
2.	Copy the installation file to a temporary directory in your local drive.
3.	Unzip the VTP3Windows.zip in the folder where you want to install VTP
4.	The following folders will be created: lib - contains all jar files conf – vtp.properties configuration file conf\cdm – cdm.conf configuration file doc - readme and license text bin - perl scripts for execution of PostecsTrack, PostecsSend, PostecsReceive and perl.exe along with dll's required to execute perl.exe jvm - Java virtual machine logs - default log file location tdir - default location for PostecsReceive to download files samples – sample files for reference
5.	Check and update vtp.properties file. This file is located at <VTP_Install>/conf folder and is used to define vtp properties settings. Note: Update proper paths for logs and target directories and any other parameters as necessary.
6.	Configure all .pl files located under <VTP_Install>/bin folder by updating $VTP_HOME parameter with the proper install folder path

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VTP Properties settings

Installation, Continued

Solaris installation

The Solaris installation is command line driven.

Before executing the VTP client software, follow the installation steps:

Step	Action
1.	Log in as root.
2.	Create the Unix account (user) that will own the installation.
3.	Go to the directory which you want to install VTP
4.	Do the following command: $tar –zxvf VTP3Solaris.tar.gz
5.	Check and update vtp.properties file. This file is located at <VTP_Install>/conf folder and is used to define vtp properties settings. Note: Update proper paths for logs and target directories and any other parameters as necessary.

Chapter 3. VTP Properties Settings

Overview   Vtp.properties file is located in the conf folder and should have read permissions. Users are recommended to check and define necessary settings in this file before running the application.

Properties configurations:
The followings properties can be set using this file:

Property	Description/Usage	Default Values
ServerName	Name of the PosteCS server	cpc.postecs.com
ServerPort	Port that will be used to communicate to PosteCS server	5680
SecureConnection	Secure connection (0 -http, 2-https)	2
ProxyServerName	Proxy server name	
ProxyServerPort	Proxy server port	
ProxyServerUserName	Proxy user name	
ProxyServerUserPassword	Proxy user password	
LogFilePath	Path of output log files	$VTP_HOME/logs
ExceptionFilePath	Path of exception files	$VTP_HOME/logs
Locale	Locale value(English/French)	English
TargetDirectory	Target Directory of PostecsReceive output files.	$VTP_HOME/tdir
SilentMode	If set to 0, No messages will be displayed. Acceptable values are 0 and 1	1

CDM configurations:
The followings properties can be set using cdm.conf which located at $VTP_HOME/conf/cdm:

Property	Description/Usage	Default Values
CDM_SERVER_NAME	Postecs server Name	cpc.postecs.com
CDM_SERVER_PORT	Communication Port Number	5680
CDM_SERVICE_URI	Request Target	/vtp3/cdmserver
SECURE_CONNECTION	Secure connection (0 -http, 2- https)	2
SSL_KEY_STORE	Keystore location	
SSL_KEY_STORE_PASSWORD	Keystore password	
PROXY_SERVER	Proxy server name	
PROXY_PORT	Proxy server port	
PROXY_USERNAME	Proxy user name	
PROXY_PASSWORD	Proxy user password	
HTTP_CONNECTION_TIMEOUT	HTTP connection time out in msec	300000
HTTP_SOCKET_TIMEOUT	HTTP socket time out in msec	300000
CHUNK_SIZE	Data transfer chunk size	102400 bytes

VTP Properties settings

Chapter 4. Using PosteCSSend

Overview

PostecsSend is used to create and send packages to the PosteCS server. It can be used to send a single package or multiple packages. To send a single package, all required parameters are passed directly to the executable. To send multiple packages, an input file containing specifications for each package will have to be created and passed to the executable.

Assumptions

1. This document assumes all attachments exist as files accessible to PosteCSSend.
2. Text for the message, if any, has been written to an ASCII file that is accessible to PosteCSSend.

Syntax for Sending a Single Package

postecssend -a accountname password -to recipient@address -m messageFile -att Attachments <-s subject> <-bill billing code> <-exp expiration days> <-i><-epm> <nv> <-nt> <-lang f/e> <-cc ccrecipient@address> <-bcc bccrecipient@address> <-pay 2 S/A 100> <-sec Basic/ABP/Package password>

Example

For windows:
perl postecssend.pl –a vtpusername vtpuserpwd01 -to test123@company.com -s Test package for Volume Transaction project -m testmessage.txt -att testattachement -sec basic -p H -rec -epm -exp 10 –l output.log –e exception.log

For Solaris:
postecssend -a vtpusername vtpuserpwd01 -to test123@company.com -s Test package for Volume Transaction project -m testmessage.txt -att testattachement -sec basic -p H -rec -epm -exp 10 -l output.log -e exception.log

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Using PosteCSSend, Continued

Syntax for Sending Multiple Packages

Refer to Data Element Table below.

Example: Input file (3 packages)

-to test123@company.com -s First Test package for Volume Transaction Application project -m testmessage.txt -att testattachement -sec basic -p H -rec -epm -exp 10
-to test123@company.com,test12@company.com -s Second Test package for IPC Volume Transaction Project -m testmessage.txt -att testattachement -sec unique -p L -rec -epm -exp 30
-to test123@company.com -s Third Test package for IPC Volume Transaction Project -m testmessage.txt -att testattachement -sec No -p H -rec -epm -exp 5

Step	Action
1.	Access a command line prompt.
2.	Using the above syntax as a model, enter the desired keys as shown in the **Data Element Table**.

Data Element Table

Listed below are descriptions of all the keys (switches) you can pass to PosteCSSend:
It is advised to follow the sequence of keys listed below for the command line.
When a key is specified, a value must be input (except those value stated as "No").

Data Element	Key	Values	Default Value	Description
Compulsory keys				
Account name	-a	Account name and password	No	Account name and password of the sender. Must be a valid PosteCS account and case sensitive.
Recipient(s)	-to	Email address or PosteCS Mailing List	No	Email address of the recipients or a PosteCS mailing list. For multiple recipients (email address or mail list), should be separated by commas. Space between email or mail list is acceptable. The mailing list has to be created in PosteCS.
Message	-m	File name with .txt extension and path	No	The text file containing the message. Must specify a path on the local server. This key can be omitted if there is an attachment file to send.

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Using PosteCSSend, Continued

Data Element	Key	Values	Default Value	Description
Optional keys				
Recipient(s)	-cc	Email address or PosteCS Mailing List	No	Same as –to key
Recipient(s)	-bcc	Email address or PosteCS Mailing List	No	Same as –to key
Subject line	-s	"The subject"	No	This will appear on the header as the subject line of the email notification and the recipient's PosteCS receive page. A quotation is required.
Attached File(s)	-att	File name with extension and path	No	File Attachment. It can be single file or multiple files separated by comma. Must specify a path on the local server.
Electronic Postmark	-epm	Nil	False (i.e. no postmark)	When this key is used, package will be postmarked. If not, it will not be postmarked. The default value is no postmark except the sender's account was created with Electronic Postmark enabled.
Priority	-p	l, n, h	N	The priority for the package. The priority setting determines the order in which the PosteCS Server processes packages. l =low; n= Normal; h=high
Security	-sec	Standard, ABP, Package password	Standard	**Standard:** Basic Security. Encrypt the package on the PosteCS server and require the recipient to use a secure connection to access the package. **ABP:** Account Based Password. Recipient will be required to enter his/her PosteCS account password to access the package. Requires the recipient to have a PosteCS account. **Package password:** Any value other than "standard" or "abp", will be considered as package password. Password should be at least 8 digits and must be alphanumeric with at least 1 digit and 1 character. For package password protected message, recipient will be required to enter this value (password) to access the package.
Notification language	-lang	e f	No	Notification language: e = English; f = French
Notify recipient option: Include message	-l	Nil	False	When this key is used, message text will be included in the notification email.

Data Element	Key	Values	Default Value	Description
Prepaid replies Option	-pay	Number of replies, S/A, Kb granted	No	This key can have minimum of 1 and maximum up to 3 values. The first value is the number replies granted. The second value is to dictate the reply to be sent to sender only or all recipients. s = reply to sender only; a = reply to all recipients. The third value is the package size (in kb) to be allowed to reply. The values need to be separated by white space. For example: 3 s 100
Sender's notification options: Notify me when viewed	-nv	Nil	False	When this key is used, the sender will be notified when the package is viewed by the recipient.
Sender's notification options: Notify me if trouble	-nt	Nil	False	When this key is used, sender will be notified if trouble prevents delivery of package
Schedule delivery	-sch	Date and time	Immediate	When this key is used, a date and time will require as the value in the following format: 05/25/2004 04:30. Time should be in 24 hour clock. Date and time is according to sender's time zone.
Package Expiration	-exp	# of days	10 days (this varies depends on the setting in specific accounts during creation)	The number of days the package will be accessible to the recipients. After that, the package will be expired.
Billing code	-bill	The billing code	No	This value is a billing code to be appending with the sending of package. If the billing code does not exist, will then be created.
Multiple package option: Input file	-f	File name with .txt extension and path	No	This is used for sending multiple packages. The file should be a text file containing package information. The file will be read and packages will be sent accordingly.
Output log file	-l	File name and path	Output-<date-time>.log	The status of all transactions (successful or failure) are written to the log file. By default, it will generate a log file named Output-<date-time>.log in the current working directory. Date and time is the current date and time of the user's machine. Format of log details are as follow: Package ID | Send date and time in GMT | Subject | Sender's account name | recipient's email | package status *Continue on next page*

Using PosteCSSend, Continued

Data Element	Key	Values	Default Value	Description
Exception log file	-e	File name and path	Exception-<date -time>.log	All exceptions are written to the exception log file. By default, it will generate an exception log file named exception-<date-time>.log in the current working directory. Date and time is the current date and time of the user's machine. Format of log details are as follow: Send time in GMT| Subject | sender's account name | recipients email address | Error code | Reason of failure
Help	-help	Syntax		Provides completed command syntax

Note:
- For Boolean switches, there will be no value associated with the switch. The presence of the switch itself (or the lack thereof) indicates the value.
- All values are not case sensitive except account name and password.
- Unnecessary spaces in the values will be discarded.
- PosteCSSend output log will show success delivery to a wrong email address. Please check the tracking log file for details.

Chapter 5: Using PosteCSReceive

Overview
PosteCSReceive is used to receive and download attachments and/or messages. It will accept selection criteria for the packages to be downloaded. This application is designed to receive new attachment files that had not been received / downloaded before.
Note:
This application will not receive or download expired packages.
This application will not receive or download unique package -password protected packages.

Syntax for Receiving Packages and File Attachments

perl PostecsReceive.pl -a accountname password <-s subject> <-beg Begin date> <-end End date> <-fm sender email address> <-pid package> <-all> <-m> <-l logfilename> <-e exception filename>

Refer to Data Element Table below.

Example

postecsreceive –a vtpusername vtpuserpwd01 -beg 01/02/2002 -end sub RFP B-225 –all -msg -tdir /export/home/mydir –l output.log –e exception.log

For windows, execute via perl script.
For Solaris, execute shell script (Refer to Chapter 4 for detail)

Step	Action
1.	Access a command line prompt.
2.	Using the above syntax as a model, enter the desired keys as shown in the **Key** column of the **Data Element Table** below.

Using PosteCSReceive, Continued

Data Element Table   Listed below are all the keys (switches) you can pass to PosteCSReceive:

Data Element	Key	Values	Default Value	Comments
Compulsory keys				
Account name and password	-a	Account name and password		Account name and password of the recipient. Must be a valid PosteCS account and case sensitive.
Optional keys				
All	-all	Nil	False	When this key is used, all packages from the inbox will be received and downloaded except for expired packages. If this key is not specified, it will only receive and download new attachment files since last execution of the application.
Subject	-s	"The subject"	No	All packages with the given subject string will be received. Subject string can be complete or part of the subject. Quotation is required.
Sender	-fm	Sender's email address	No	Sender's email address.
Begin date	-beg	Date	Current Date	This indicates the begin date from which the packages should be received. Date is in mm/dd/yyyy format. Time can be specified using 24 hour clock format. If time is not specified, time is default to 00:00. This date must be prior to or equal the current system date.
End date	-end	Date	Current Date	This indicates the end date of which packages should be received. Date is in mm/dd/yyyy format. If this key is not used, current date and time will be the end date. Time and be specified using 24 hour clock format. If time is not specified, time is default to 23:59 The end date must be prior to or equal the current system date and must also be equals to or after the begin date.
Package ID	-pid	Package ID	No	Receive/ download the package with the given package ID. This key will be given priority in searching information when in a combination usage with other keys.
Message	-m	Nil	False	Download the message text. Message text will not include header information.
Target Directory	-tdir	Path	Current working directory	The directory where the files will be saved in the local drive. If the Directory does not exist, an error will be thrown. All messages and attachments will be appended with package ID in the format as following example: 527326-attachment file with file extension Message text file-527326

Data Element	Key	Values	Default Value	Comments
Receive log file	-l	Filename and path	Receive-<date-time>.log	Output will be stored in the Receive log file. By default, it will generate a log file named receive-<date-time>.log in the current working directory. Date and time is the current date and time of the user's machine. Format of log details are as follow: Package ID	Send date and time in GMT| Receive date and time in GMT	Subject of the package| sender's account name| Name of the attachment or message file with package ID appended	Status
Exception log file	-e	Filename and path	Exception-<date-time>.log	All exceptions are written to the exception log file. By default, it will generate an exception log file named exception-<date-time>.log in the current working directory. Date and time is the current date and time of the user's machine. Format of log details are as follow: Package ID	Send date and time in GMT| Subject of the package| sender's account name| Error code		Reason of failure.
Help key	-help	Syntax		Completed command syntax

Chapter 6. Using PosteCSTrack

Overview   PosteCSTrack is used to track packages sent by an account. This application can track packages depending on start date, end date, subject, recipient and Package ID. All packages sent will be tracked, including expired packages.
Note:
This application will track also expired packages.

Syntax for Tracking Packages

perl PostecsTrack.pl -a accountname password <-s subject> <-bill billing code> <-beg Begin date> <-end End date> <-r recipient> <-pid package id><-l logfile> <-e exception filename>

Refer to Data Element Table below.

Example
postecstrack –a vtpusername vtpuserpwd01 –beg 02/02/03 –end 02/28/01 –sub Test Package for Volume Transaction Project –e ipc_exception.log –t ipc_tracking.log

For windows, execute via perl script.
For Solaris, execute shell script (Refer to Chapter 4 for detail)

Step	Action
1.	Access a command line prompt.
2.	Using the above syntax as a model, enter the desired keys as shown in the **Data Element Table** below.

Data Element Table   Listed below are the keys (switches) you can pass to PosteCSTrack:

Data Element	Key	Values	Default Value	Description
Compulsory keys				
Account name and password	-a	Account Name and password	No	Account name and password of a valid PosteCS account.
Optional keys				
Begin Date	-beg	Date	No	The date after which the package must have been created. Format must be MM/DD/YY or MM/DD/CCYY
End Date	-end	Date	No	The date before which the package must have been created. Format must be MM/DD/YY or MM/DD/CCYY
Subject	-s	"The subject"	No	A string or sub-string that must match the subject of the package.

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Using PosteCSTrack, Continued

Data Element	Key	Values	Default Value	Description
Recipient	-r	Recipients email address string	No	All packages sent to a given recipient will be tracked. Recipient will be an email address only. It cannot be a mail list.
Package ID	-pid	Package ID	No	Package with a given package id will be tracked. This key is given priority in search when in combination usage with other keys.
Billing Code	-bill	The Billing code	No	Package with a given billing code will be tracked.
Tracking log file	-t	Filename and path	Tracking-<date-time>.log	Output will be stored in the tracking log file. By default, it will generate a log file named tracking-<date-time>.log in the current working directory. Date and time is the current date and time of the user's machine. Format of log details are as follow: Package ID | Send date and time in GMT | subject of the package| sender's account name| recipient's email | Package status | Current status date and time in GMT | Billing code Note: The status of each package but not each attachment is written to the tracking log.
Exception log file	-e	Filename and path	Exception-<date-time>.log	All exceptions are written to the exception log file. By default, it will generate an exception log file named exception-<date-time>.log in the current working directory. Date and time is the current date and time of the user's machine. Format of log details are as follow: Package ID | send date and time | subject | sender's account name | recipient's email address | Error code | Reason for failure
Help	-help			Completed command s yntax

Chapter 7. GetBillCodeNames

Overview

GetBillCodeNames is a new utility to query and list existing billing codes of an account.

Syntax for using this utility

For Windows:
perl GetBillCodeNames.pl -a account name password

For Solaris usage, refer to Chapter 4 for detail.

Chapter 8. GetMailListNames

Overview   GetMailListNames is a new utility to query and list existing Mail lists of an account.

Syntax for using this utility

For Windows:
perl GetMaiListNames.pl -a account name password

For Solaris usage, refer to Chapter 4 for detail.

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Chapter 9. Log Files

Log Files   A log file will be created by the VTP application every time it runs. The status of all the messages sent, received or tracked; both successful or failure; will be written to log file. Users can specify the log file path and name.

PosteCSSend:

File Name and Location   The name and location of the log is the same as what is specified by the user. If the user does not specify the name and location, the default file name will be **output-<date-time>.log** under the current working directory. Time is sender's machine time.

File Format   Package ID | Send date and time in GMT | Subject | Sender's account name | recipient's email | Status

Field	Description
Package ID	The package ID of the sent package.
Send date and Time	The date & time the package was sent. Time is in GMT.
Subject	The subject line text of the package.
Sender's account name	The e-mail address of the sender.
Recipient's email	The e-mail address of the recipient. If the package was sent to multiple recipients, the status of individual email will be shown on separate lines in the log.
Status	Status of the sent process showing "Package sent" or "Package not sent". (For further detail, refer to Chapter 7 Exit Code session)

Log Files   Users may specify the log file name by key –l.

Sample

508345 | 07/30/03 16:50:03 GMT | PosteCS: The subject | el@mycompany.com | test@yourcompany.com | Package sent.
(In this example, there is no exception in the exception log file)

07/30/03 16:50:03 GMT | PosteCS: Another subject | el@mycompany.com | test@yourcompany.com | Package not sent.
(In this example, there will be an exception in the exception log file stating the reason and error code)

Log Files , Continued

PosteCSReceive:

File Name and Location The name and location of the log is the same as what is specified by the user. If the user does not specify the name and location, the name will be **Receive-<date-time>.log** under the current working directory. Time is user's machine time.

File Format Package ID | Send date and time in GMT| Receive date and time in GMT | Subject of the package| sender's account name| Name of the attachment or message file with package ID appended | Status

Field	Description
Package ID	The Package ID.
Sent date and time	The date & time the package was sent. Time in GMT.
Date & Time Received	The date & time the package was received. Time in GMT.
Subject	The subject line text of the package.
Sender's account name	The e-mail address of the sender.
Name of the attachment or message file	The attachment's file name or the message text file name. The files will be appended with package ID as example below: 527326-attachment file with file extension Message text file-527326
Status	Status of the download. Success or Failure. (For further detail, refer to Chapter 9 Exit Code session)

Log Files Users may specify the log file name by key –l.

Sample

508407 | 07/16/03 10:48:24 GMT | 07/16/03 11:00:05 GMT | PosteCS: Instructions | el@mycompany.com | message-508407.txt | Success
(In this example, the account is receiving a PosteCS consists only message text and no attachment file.)

058136 | 07/16/03 10:49:06 GMT | 07/16/03 10:52:08 GMT | PosteCS: Test | el@mycompany.com | message-508136.txt | Success
058136 | 07/16/03 10:49:06 GMT | 07/16/03 10:53:02 GMT | PosteCS: Test | el@mycompany.com | 508136-Demo.txt | Success
(In this example, the account is receiving a PosteCS package consists of message text and 1 attachment file. Note: both files are received and report in separate lines in the receive log.)

Log File, Continued

PosteCSTrack:

File Name and Location   The name and location of the log is the same as what is specified by the user. If the user does not specify the name and location, the name will be **tracking-<date-time>.log** under the current working directory.

File Format   Package ID | Sent date and time in GMT | subject of the package | sender's account name | recipient's email | status | current status date and time in GMT | Billing code

Field	Description
Package ID	The Package ID
Sent date and time	The date and time packages were sent. Time in GMT.
Subject	The subject text of the package.
Sender's account name	The e-mail address of the sender.
Recipient's email	The e-mail address of the recipient. If the package was sent to multiple recipients, the status of individual email will be shown on separate lines in the log.
Status	The status of the package e.g. Received, Recipient Notified, Package viewed successfully etc.
Current status date and time	Date and time of the current status. Time in GMT.
Billing code	The Billing code.

Log Files   Users may specify the log file name by key –t.

Sample

127768 | 06/27/03 16:56:07 GMT | PosteCS:Test | el@mycompany.com |
you@yourcompany.com | Received: 06/27/03 20:07:45 GMT | 357billcode
(In this example, the status shows the recipient has already receive the package)

128687| 07/17/03 16:56:08 GMT | PosteCS: Instruction | el@mycompany.com |
you@yourcompany.com | Recipient Notified: 07/17/03 16:56:48 GMT
(In this example, the status shows the recipient has been notified with the email notification, pending to receive the package.)

Note:
- No. of packages tracked and received will correspond to the total count of packages shown in the outbox/inbox respectively. Detail deliveries and status per email address will be reported in the track log and receive log.

Chapter 10. Exception File

Exception Files   A file containing errors or exceptions encountered by the application will be created. The exception file is only created if a problem is encountered.

PosteCSSend:

File Name and Location   The name and location of the log is the same as what is specified by the user. If the user does not specify the name and location, the name will be **exception-<date-time>.log** and under the current working directory.

File Format   Send date and time in GMT| Subject | Sender's account name | Recipient's email address | Error code | Reason of failure

Field	Description
Send date & time	The date and time of the attempt to send the package. Time in GMT.
Subject	The subject text line of the package.
Sender Email	The e-mail address of the sender.
Recipient Email	The e-mail address of the recipient. If there is multiple recipients' failure, the exception will show in separate line.
Error code	The error code.
Reason of failure	The description of the error.

Exception Files   Users may specify the exception file path and name at the command line using –e key.

Sample

07/18/03 14:15:36 GMT | PosteCS: The Subject | you@yourcompany.com | el@mycompany.com | Error 1008 | No Attachment(s)/ Message File.

Exit Codes

Exception File, Continued

PosteCSReceive:

File Name and Location   The name and location of the log is the same as what is specified by the user. If the user does not specify the name and location, the name will be **exception-<date-time>.log** and under current working directory.

File Format   For non-query failure exception:
Package ID | Send date and time in GMT| Subject of the package| sender's account name| Error code | Reason of failure.

For query failure exception:
| | | | | Query failed

Field	Description
Package ID	The Package ID
Receive date and time	The date and time of the attempt to receive the package. Time in GMT.
Subject	The subject text line of the package.
Sender Email	The e-mail address of the sender.
Error code	The error code.
Reason of failure	The description of the error.
Query failed	Cannot identify the query parameter

Exception Files   Users may specify the exception file path and name at the command line using –e key.

Sample

568756 | 07/18/03 14:18:15 GMT| PostecS: Testing | el@mycompany.com | Error 10023 | Invalid month.

If it's a query failure, will look like the following:
| | | | | Query failed

Exception File, Continued

PosteCSTrack:

File Name and Location   The name and location of the log is the same as what is specified by the user. If the user does not specify the name and location, the name will be **exception-<date-time>.log** and under the current working directory.

File Format   Package ID | Send date and time | Subject | Sender's account name | Recipient's email address | Error code | Reason for failure

Field	Description
Package ID	The Package ID
Track date and time	The date of the attempt to track the package.
Subject	The text on the subject line of the package.
Sender's account name	The e-mail address of the sender.
Recipient email address	The e-mail address of the recipient.
Error code	The error code.
Reason for failure	The description of the error.

Exception Files   Users may specify the exception file path and name at the command line using –e key.

Sample

568756 |07/18/03 14:24:11:GMT |PosteCS: Instruction | you@your company.ca | el@mycompany.com| Error 10021 | End date less than begin date

Exit Codes

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Chapter 11. Error Codes and Exit Codes

Error Codes:

Error Code	Description
16	Invalid Account name and/or password.
29	Account is deleted.
30	Account is disabled.
31	Account is disabled for credit.
32	Account is disabled due to expiration.
33	Account is disabled due to security reasons.
36	Account does not have privileges to create mail list.
38	Maximum number of billing codes reached.
44	The package expiration days exceeds its limits.
45	Invalid package expiration days.
46	The package file size exceeds its limits.
47	The package message size exceeds its limits.
48	The number of package recipients exceeds its limits.
49	The package schedule time exceeds its limits.
50	The total package size exceeds its limits.
54	Invalid Account name.
56	The account password is invalid.
61	Account is disabled.
89	Invalid recipient mail list.
90	Recipient is not found in the package.
92	Stream not found.
97	Error sending package. Please contact PosteCS Help Desk.
197	Error sending package. Please contact PosteCS Help Desk.
122	Not Connected to database.
124	Database is out of memory.
154	Invalid billing code specified.
157	The length of the subject string is invalid.
164	Package has no recipients.
168	Too many invalid login attempts. Recipient has been locked out from this package.
205	Invalid notification options.
207	Unauthorized use of billing code for this package.
208	Unauthorized use of package priority for this package.

Exit Codes

Error Codes, Continued

Error Code	Description
209	Unauthorized use of package expiration for this package.
210	Unauthorized use of package security for this package.
211	Unauthorized use of package confirmation success for this package.
212	Unauthorized use of package confirmation failure for this package.
213	Unauthorized use of package notification include message option for this package.
214	Unauthorized use of package notification include receive page option for this package.
217	The number of pre-paid replies specified in the package is more then authorized for this account.
218.	The prepaid reply package size specified in the package is more then authorized for this account.
219	The reply-to-all option specified in the package is unauthorized.
220	The prepaid reply package size exceeds its limits set by the original package sender.
221	The package schedule time is invalid.
222	Invalid package expiration time.
223	Prepaid reply is not available for the sender.
516	Invalid Priority.
517	Begin Date is greater then End date.
518	Invalid Begin Date
519	Invalid End Date
520	Invalid Package Id
521	Invalid Target Directory.
1000	There is a problem at PosteCS server, please contact PosteCS Help Desk.
1001	This package has been modified since it was processed by the Postal Service ELECTRONIC POSTMARK(TM) system.
10050	This account is not authorized for a scheduled delivery that far in the future
10051	Invalid security option
10052	The expiration time is beyond the capability of the account type

Correcting an Error For PosteCSSend, if a batch file or batch files do not run, and the executable creates an exception file, you will need to create a new batch file for all of the records that failed and then run the new file.

Exit Codes:

PosteCSSend

Exit Code	Description
0	Success or –help key is specified
1	Error creating session connection to server or database
2	Validation of account
3	Validation of keys
4	Validation of output log files.
5	Validation of exception log files

PosteCSTrack

Exit Code	Description
0	Success or -help key is specified
1	Invalid vtp.properties file or VTP_HOME environment variable in PosteCSTrack file
2	Argument incomplete or incorrect. Refer to this user guide for detail. Argument incomplete or incorrect; please refer to the user guide for detail.
3	Invalid URL specified in the vtp.properties file. Invalid URL specified in vtp.properties file.
4	Invalid proxy settings.
5	Problem connecting to PosteCS server.
6	SOAP call has generated a fault or error.
7	Problem writing log/exception file.

PosteCSReceive

Exit Code	Description
0	Success or -help key is specified
1	Invalid vtp.properties file or VTP_HOME environment variable in PosteCSReceive file.
2	Argument incomplete or incorrect; please refer to the user guide for detail.
3	Invalid URL specified in vtp.properties file.
4	Invalid proxy settings.
5	Problem connecting to PosteCS server.
6	SOAP call has generated a fault or error.
7	Target directory does not have write permissions or is not a directory.
8	Error creating output files including log and exception files.

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Chapter 12. Troubleshooting

Problems & Solutions

Problem	Resolution
Unable to contact the server, contact the PosteCS Administrator	Before contact the PosteCS Help Desk: Make sure vtp.property file has ServerName= cpc.postecs.com. Make sure your firewall is open for port # 5680 If the above is correct, check with your network administrator if there is network issues or if proxy settings are required.
The system cannot find the path specified	Check all .pl files under the bin folder for $VTP_HOME path to set correct to the install path.
Java ClassNotFound exception	Check if Classpath is set properly in .pl files in bin folder. Please use double forward slash (\\) to indicate all paths in .pl and vtp.properties file.
Log files are not created	Check the log and exception file paths in vtp.properties. Check for disk space.
Can't open perl script: No such file or directory	Check the correct spelling for PosteCSSend, PosteCSReceive, PosteCSTrack, GetBillingCodeNames and GetMailListNames
Account name is incorrect.	A valid and active PosteCS account is required. If you have not have an account, you need to enroll via https://cpc.postecs.com/enroll. If you have an account, your account may be inactive, contact the PosteCS Help Desk.
Failure to send e-mail using Account Based Password security option	Recipient should have a PosteCS Account. If a recipient does not have PosteCS Account, this application will not be able to deliver mail using this security option.
Account is locked	After 3 unsuccessful login attempts the account is locked of security reasons. To unlock the account you have to contact the help desk.

Chapter 13. Limitations

1. The sender account should be created before using the Volume Transaction Application. The Volume Transaction Application does not create accounts.
2. Member accounts will not be able to create billing codes.
3. PosteCSReceive will not download packages sent as notifications, confirmation or validation packages.

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Chapter 14. Technical Support

PosteCS
Support
For support of PosteCS, contact PosteCS technical support:
Calling from Canada and US: 1-866-511-0546 or
e-mail: postecs@canadapost.ca

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