



CHAPTER XV

INDEX -- BCP Automation Project

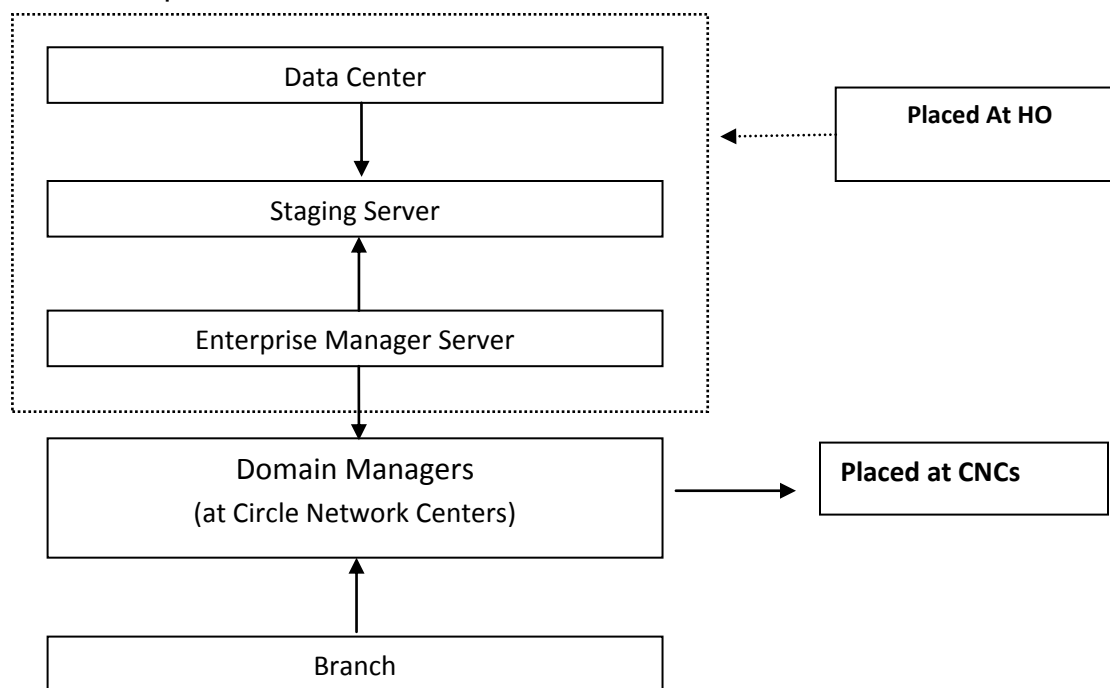
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BCP Automation Project

Introduction:- With a view to provide uninterrupted customer service in the event of intra-day loss of connectivity, the Bank has implemented BCP Automation Project in all the branches. The crucial BCP data (viz. Balance, Stop Payment and Signature Files) of CA/CC/OD/SF Accounts is made available to the BCP PCs of the branches at predefined time intervals during the day automatically. The project is implemented using CA Unicenter Desktop and Server Management (CA DSM) Software. The CA DSM Agents are installed at EMS (Enterprise Management System), DMS (Domain Management Server) and Branch Level which transfer the crucial BCP Data. The EMS pulls BCP Data from the Staging Server and segregates it according to DMS and pushes data to them. A DMS cater to branches of multiple Circle Offices connected to it.

The flow of data is depicted as under for reference:



In the event of **intra-day** loss of connectivity, the customer services may be continued without interruption by the branches. Cash and Transfer Transactions can be carried out through in-house developed BCP Application Software to meet the requirements of customers. After carrying out the transactions in offline mode, BCP Application Software generates one flat file each for Cash and Transfer Transactions which are by default available in **C:\upload**

Transfer / Cash Transactions carried out in offline mode, can be uploaded into main CBS System with TTUM (Transfer Transactions Upload Maintenance) and CTUM (Cash Transactions Upload Maintenance) options respectively. It helps in avoiding duplicacy of work upon restoration of connectivity in the branch. Transactions should be uploaded in Entered Mode and to be verified by some other user to conform to the requirements of Maker / Checker.



The Bank started implementation of BCP Automation Project in March, 2009 and in Feb, 2010 BCP Automation Project got implemented in all branches of the Bank.

Salient Features of BCP Software:

- In offline mode, the BCP PC acts as server and other PCs can be connected as clients to it.
- A user can log in to the software in the offline mode to carry out the transactions during absence of connectivity at branch and upload the latest BCP Data to the database for carrying out the Cash and Transfer transactions.
- While doing transactions, the user can view the signatures and total debits in a day in a particular account.
- Stopped Cheques are not permitted to be paid.
- The software prompts for an undertaking if payments in an account during the day exceed the prescribed limit of Rs.15000/- as per the extant BCP guidelines. If the Total debit amount exceeds 15000/- limit in the selected A/c, the user can do the debit transaction but only after taking undertaking for the same. Annexure (iv)
- Balance, Stop Payment and Signature (One Time as well as Incremental) in respect of CA/CC/OD/SF Accounts are transferred to the Branch BCP PC as per following time schedule:

Balance Files	8.00 a.m.	1.00 p.m.	6.00 p.m.
Stop Payment Files	9.00 p.m. (on previous day)		
Incremental Signature	(Once during the day)		

- As the BCP data pertaining to specific branch is transmitted to the BCP PC at branch level, No Inter- Sol transaction is allowed through BCP Tool.
- Circle Offices may monitor the status of Cash Txns. done by branches through BCP Tool by generating the following report: **MIS→ PNB RPT→9/119**
- For any query, Please contact BCP Helpdesk:

bcphelpdeskho@pnb.co.in

011-23765158



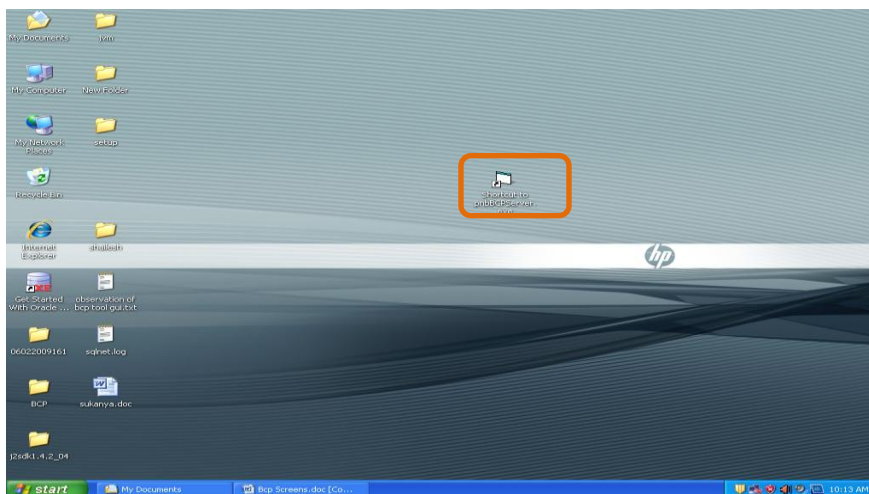
BCP Automation Tool

(User Manual)

The BCP (Business Continuity Process) is the new concept in the world of IT. All the major IT companies and financial institutions are very much careful in retaining their customers and also the business. So, Punjab National Bank has taken an initiative to introduce BCP Automation Tool in the Banking Sector. To ensure business continuity, the Bank has procured BCP Automation Tool from M/s CA and M/s HCL Infosystems Ltd. for providing support in its implementation. With the help of this tool, Balances/Stop Payment/ Incremental Signature Files of **CA/CC/OD/SF** accounts in Indian Currency **<INR>** are being sent to respective branches automatically at specified periodical intervals. Software to carry out transactions in the absence of connectivity in the branches has been developed in-house which will be useful for business continuity in accordance with the extant BCP guidelines.

The procedure for installation of the application software as well as working thereafter is placed below:

To start the BCP double click the “shortcut to pnbBCPserver.exe” icon on the desktop.



After clicking the icon system will display the following screen. The splash screen gives the information about branch name, SOL ID and database files of savings and stop payment.



BCP Tool v1.0

Database contains files of following dates:

Savings	12-02-2009 : 12:00 PM
Stop Payment	12-02-2009 : 12:00 AM

Warning : Unauthorized use prohibited. Copyright Punjab National Bank

Branch details

417100
rohini

Date & time of balance and stop payment

(Splash Screen)

A login screen will appear after the splash screen.

Login Screen

User Name : 302099ar

Password : [masked]

Login Change Password Cancel

Enter User Name, password & Press Login.

BCP Tools v1.0

Developed by : Software Deptt, PNB HO: ITD

Start up Screen:-

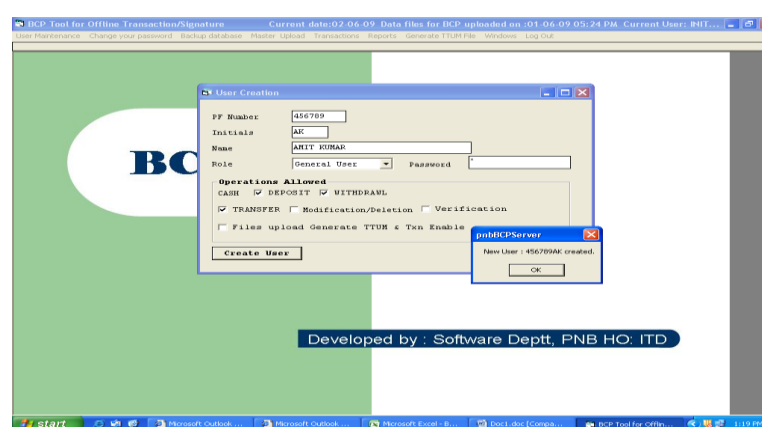
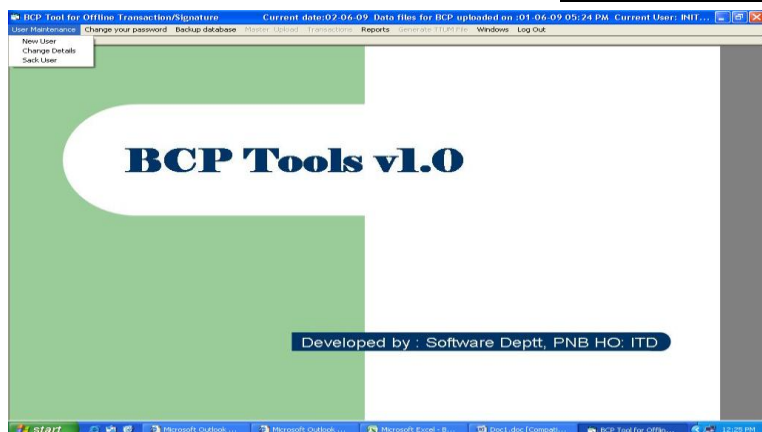
After entering the user credentials the following startup screen will appear. This screen will show only the menu options assigned by the administrator to the user depending upon the user's role.

User Maintenance:

User Creation:-

The BCP Automation Tool starts with the creation of users under User Maintenance menu for creating the users at a branch. The User maintenance Menu has three options:

1. New User
2. Change Details
3. Sack User



1. New User:

This menu option is used to create different users to start working in offline BCP Automation Tool. To create a user, PF number, initials, name and role are required. Initially a default password is to be provided which the user can change on his first log on. There are two kinds of users:

I) System Admin:

The system admin is a branch level administrator for creating the users, changing their passwords, activate/deactivate them, and sack a user. The system admin cannot do the financial transactions.

Note: Initially the Circle Office will create the **System Admin** at the Branch and **System Admin** will be further used to create other users.

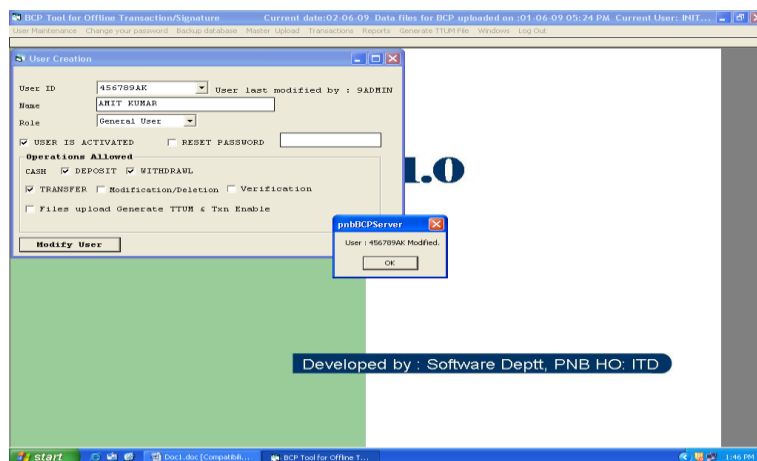
II) General User:

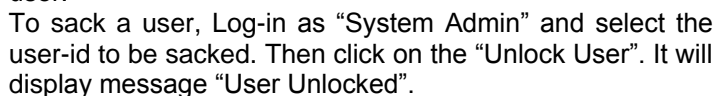
A general user is one who performs the routine tasks at the branch. The general user can be given rights according to his functions/roles. A general user can do the Cash Transactions (Deposit & Withdrawal) and Transfer Transactions. After filling the requisite inputs like PF no. , Initials, Name and Role and selecting the roles click on "Create User". The user creation gives a message like "**New User: #####XX Created**" here # sign denote the digits of PF number and XX denote the Initials of the user.

The rights of Master Upload, Generating TTUM and Enable/Disable Transactions are to be given to one or two (in case a user is on leave) users who will be responsible for uploading the balance/stop payment/ signature files to the Database. Only this user will enable/disable the transactions from his system so that other users can start/stop the offline BCP Transactions. Whenever the connectivity is restored this user will generate the TTUM file and upload it to Finacle.

2. Change Details:

The change details option is used to make appropriate changes to a user's profile accordingly. Here, select the user-id (combination of PF No. and Initials) and make necessary changes like deactivating the user, resetting the password and assigning other rights to him/her. Then click on "Modify User". It will give a message that the user is modified. Click OK to proceed further.





Click “CHANGE”. It will give the message “Password Changed Successfully”. Click OK to proceed further.

The “Backup Database” is used to take the backup of the database. This menu option is available to the System Admin of the branch only. All the tables backed up in a “bcpddmmyy.dmp” file (in C:\ directory) where “dd” stands for date, “mm” stands for month and “yy” stands for year. This file can be restored whenever required. To restore the backup, reinstalling the software and clicking on Restore Database Button will do the needful.

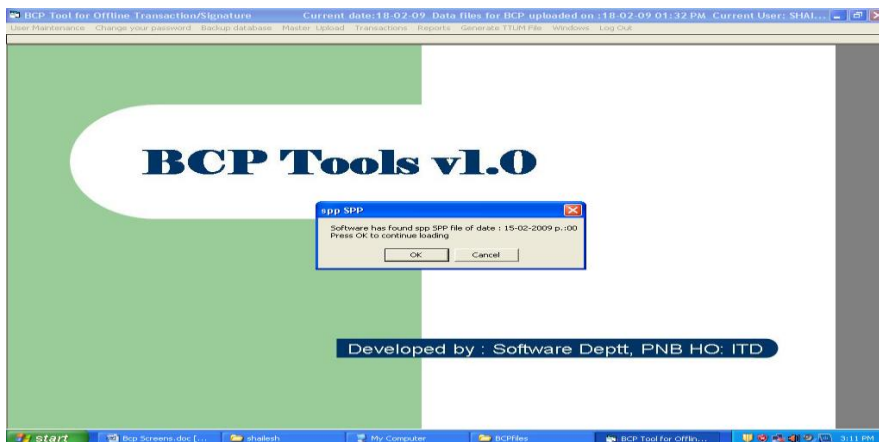
The Master Upload will find the latest files and delete all other files. It has to be ensured that the BCP PC is always kept on so that the incremental signatures are downloaded.



The balances will be uploaded and the relative progress of data is shown by the progress bar on the screen.

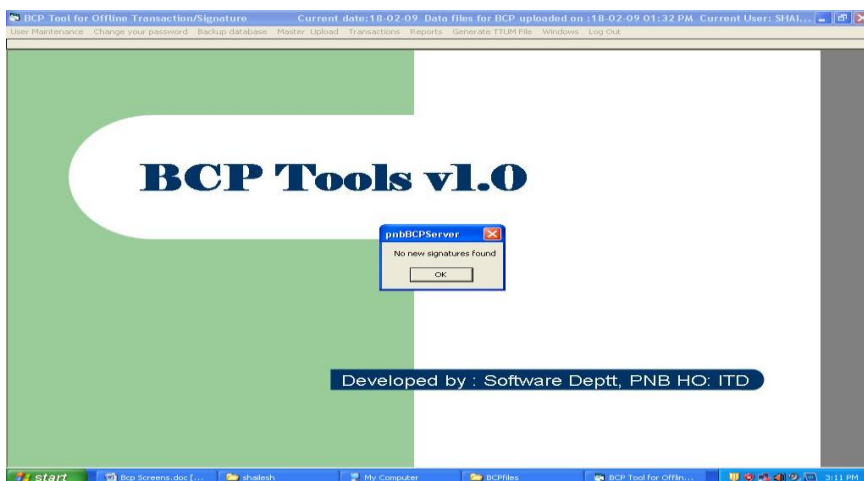
After uploading the balances the the system will show the number of A/cs uploaded in the local database for the offline transactions.

Uploading Stop Payments



The stop payment details of the last date will be uploaded to the oracle database by clicking OK button in the screen. Stop payment details are transferred only once in a day.

Uploading Signatures



After updating stop payment details, incremental signatures will be automatically uploaded. Incremental Signature files are transferred only once in a day. The incremental signatures include all the newly added signatures and the tool will automatically drop the deleted signatures.

Note: The BCP PC has to be kept **ON** so that all the necessary file are downloaded automatically for offline BCP Transactions whenever required.

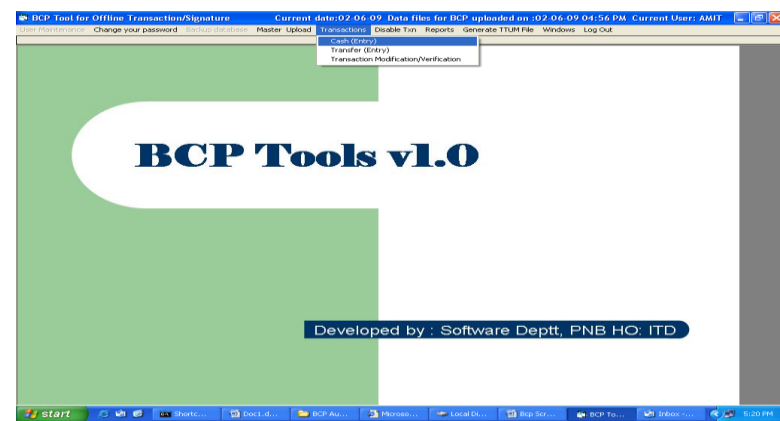


Transactions

The Transactions in the BCP Automation can be started after the Master Upload and Enabling the transactions for the “General Users”. The person responsible for the master upload will ensure that no other user has logged-in. All the latest files will be uploaded and then the transactions will commence on his enabling the transactions.



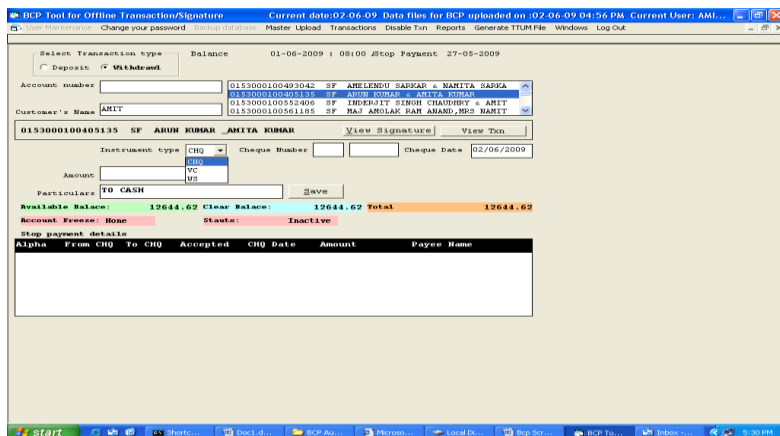
The user has to click the “Enable Txn” menu option. The “Transactions” menu is by default disabled and it will be enabled after clicking the “Enable Txn”.



Transactions Menu:- The BCP Automation Tool can be used to do the following type of transactions:

- Cash Transactions :
 - a. Deposit
 - b. Withdrawal
- Transfer Transactions
- Verification/Modification

This menu is used to do the transactions in the offline mode. After clicking on the Cash (Entry) in the transaction menu the following screen appears where we can do (a) deposit and (b) withdrawal transactions.



Cash Transactions:

To do the cash transactions, select the Cash (Entry) from the transactions menu. The user has to select the appropriate Deposit or Withdrawal. The user can search for an A/c by entering the name of the A/C holder or 16-digit A/c Number or 10-digits of A/c Number or last 6-digits of the A/c number.

After selecting the 16-digit A/c number press enter, all the details regarding that A/c will be displayed. The user can verify the signature by clicking the <view signature> button. Similarly previous transactions (Debits and Credits) in that particular Account will get displayed with total debit amount on that specific day in a separate window by clicking on <View Txn> button. If the Total debit amount exceeds 15000/- limit in the selected A/c, the user can do the debit transaction but only after taking undertaking for the same.



Withdrawal Transaction

BCP Tool for Offline Transaction/Signature Current date:02-06-09 Data files for BCP uploaded on :02-06-09 04:56 PM Current User: AMI...

Select Transaction type: ☐ Deposit ☒ Withdrawal

Account number: 0153000100878979 SF AMITABH RANDOPADHYAY
0153000100917705 SF AMITABH RAM
0153000100873390 SF AMITABH KR PANDEY
0153000100928124 SF AMITABH TRIPATHY

Customer's Name: AMITABH

Instrument type: Transaction

Offline Transaction Number: 2

Amount: 100.00

Particulars: TO CASH

Available Balance: 51169.00 Clear Balance: 51169.00 Total: 51169.00

Account Freeze: None Status: Active

Stop payment details:

Alpha	From CHQ	To CHQ	Accepted	CHQ Date	Amount	Payee Name
-------	----------	--------	----------	----------	--------	------------

To do a withdrawal transaction the user has to select the Transaction Type as Withdrawal. After entering the requisite information the user can do the transaction through three instrument types

1. Cheque
2. Voucher
3. Withdrawal slip

In case of withdrawal through cheque, user have to enter cheque number, date, amount & particulars in respective fields. After clicking on the "SAVE" button an offline transaction number will be generated. This number will be referred in all the offline transactions and for verification of the transaction of current date also. Click OK to proceed further. All the transactions of current date can be viewed by clicking <View Txn> button.

BCP Tool for Offline Transaction/Signature Current date:03-06-09 Data files for BCP uploaded on :02-06-09 04:56 PM Current User: BHA...

Select Transaction type: ☐ Deposit ☒ Withdrawal

Account number: 0153000100911876 SF AMIT KUMAR OJHA

Customer's Name: AMIT KUMAR OJHA

Instrument type: Transaction

Offline Transaction Number: 2

Amount: 100.00

Particulars: TO CASH

Available Balance: 51169.00 Clear Balance: 51169.00 Total: 51169.00

Account Freeze: None Status: Active

Stop payment details:

Alpha	From CHQ	To CHQ	Accepted	CHQ Date	Amount	Payee Name
-------	----------	--------	----------	----------	--------	------------

Note: The <View Txn> and <View Signature> buttons are useful for viewing the transactions carried out and the signature of a customer in an A/c. It is important that an A/c is checked for all the debits during the time of offline transactions. The screen will display all the debits and warns the user to take an undertaking from the customer if the debits cross the prescribed limit of Rs.15000/-

Deposit Transactions

BCP Tool for Offline Transaction/Signature Current date:03-06-09 Data files for BCP uploaded on :02-06-09 04:56 PM Current User: BHA...

Select Transaction type: ☒ Deposit ☐ Withdrawal

Account number: 0153000100909507 SF GANESH CHAND
0153000107041936 SF GANESH DIBBI
0153000100915234 SF GREY GANESH
0153000100859071 SF GANESH PRASAD

Customer's Name: GANESH

Instrument type: Transaction

Offline Transaction Number: 3

Amount: 1011.00

Particulars: BY CASH

Available Balance: 4010.25 Clear Balance: 4010.25 Total: 4010.25

Account Freeze: None Status: Active

Stop payment details:

Alpha	From CHQ	To CHQ	Accepted	CHQ Date	Amount	Payee Name
-------	----------	--------	----------	----------	--------	------------

To do a deposit transaction user have to search customer by A/c holder's name or A/c number.

In this form user have to enter amount and particulars in respective field and save the transaction by pressing the "SAVE" button. An Auto-Generated Offline Transaction Number will be provided by the software for purpose of verification. Press OK to proceed further.



Note: There is no limit for Credit/Deposit as per extant BCP Guidelines. An A/c holder can deposit any amount in his/her account in the offline mode.

Transfer Transactions

The Transfer Transaction allows the user to do transfer transactions from one A/c to another A/c of the same branch. The user have to fill in the details of the debit A/c, respective instrument type (Cheque/Voucher) and its details and the credit A/c details are to be entered.

After filling upon all the information in respective field, save the transaction by pressing the “SAVE” button. An Auto-Generated Offline Transaction Number will be provided by the software for the purpose of verification. Press OK to proceed further.

Note: The <View Txn> button is used for viewing the transactions carried out in an A/c during the day. It is important that an A/c is checked for all the debits while doing the Debit transactions in offline mode. The screen will display all debits during the day and warns the user to take an undertaking from the customer if the debits cross the prescribed limit of Rs.15000/-

Verification of Transactions

The verification of a transaction is an important activity to complete a banking transaction. The concept of **maker/checker** is taken care of in the BCP Application Software. The s/w will not permit to do any transaction in an A/c if earlier transactions in that A/c are pending for verification. The verifier has to verify the transactions with the help of physical instrument (Cheque/Voucher/ Withdrawal Slip). The process of verifying a transaction is as under:

The user has to enter the Operation “V” and the offline transaction number and press Enter. Click “Verify” button. It will give a message that the transaction has been verified.

Note: A verification of a transfer transaction is given in the figure. The same procedure is to be followed for other type of transactions also.

BCP Tool for Offline Transaction/Signature Current date:03-06-09 Data files for BCP uploaded on :02-06-09 04:56 PM Current User: BHA...

Account number: 0153009500287626 OD RAMAN KANT (STAFF) Balance 01-06-2009 : 08:00 AM
Customer's Name: RAMAN 0153009500287644 OD REVTI RAMAN SHARMA Stop Payment 27-05-2009
0153009500252213 OD F H SUBRAMANIAM

Available 450041.46 Clear Balance: 41.46 Total Balance: 41.46

Account Freeze: None Status: Active

Instrument type: VC Cheque Number: Cheque Date: 03/06/2009

Amount: 200.00

Credit to:
Account number: 0153000110003121 SF SHYAM BIHARI PRASAD
Customer's Name: HARI 0153000110003538 SF HARI JI
0153000110003732 SF HARI BAHADUR

Available 2542.00 Clear Balance: 2542.00 Total Balance: 2542.00

Account Freeze: None Status: Active

Particulars: TO A/C 0153000110003538

Save

Stop payment details

Alpha	From CHQ	To CHQ	Accepted	CHQ Date	Amount
-------	----------	--------	----------	----------	--------

BCP Tool for Offline Transaction/Signature Current date:03-06-09 Data files for BCP uploaded on :02-06-09 04:56 PM Current User: AMI...

Operation: V Entered by: 2B Balance 01-06-2009 : 08:00 AM
Offline Txn no.: 3 Modified by: Stop Payment 27-05-2009
Verified by:

DEBIT:
0153005119901 SL CASH View Signature View Txn
Available Balance: -811.00 Clear Balance: -811.00 Total Balance: -811.00

Account Freeze: None Status: Active

CREDIT:
01530001100859071 SF GANESH PRASAD View Txn
Available Balance: 4010.25 Clear Balance: 4010.25 Total Balance: 4010.25

Account Freeze: None Status: Active

Instrument type: Cheque Number: Cheque Date: 03/06/2009

Amount: 1011.00

Particulars: BY CASH Verify

Stop payment details

Alpha	From CHQ	To CHQ	Accepted	CHQ Date	Amount	Payee Name
-------	----------	--------	----------	----------	--------	------------



Other operations permissible in the BCP Automation Tool are:

Operation

- Inquire - I
- Modify a Transaction - M
- Delete a Transaction - D

Option

The user has to enter the respective options in the operation field and the offline transaction number. Pressing Enter will show the appropriate result as per the chosen operation

BCP Tool for Offline Transaction/Signature

Current date: 03-06-09 Data files for BCP uploaded on : 02-06-09 04:56 PM Current User: AMI...

Operation: I Entered by: 2B Balance: 01-06-2009 : 08:00 AM

Offline Txn no.: 0153000100911076

Modified by: 1A Stop Payment: 27-05-2009

Verified by: 1A

DEBIT

0153000100911076 SF ABHIT KUMAR GUHA View Signature View Txn

Available Balance: 391.00 Clear Balance: 391.00 Total Balance: 391.00

Account Essence: None Status: Active

CREDIT

0153000119901 SL CASH View Txn

Available Balance: -811.00 Clear Balance: -811.00 Total Balance: -811.00

Account Essence: None Status: Active

Instrument type: VC Cheque Number: Cheque Date: 03/06/2009 Amount: 100.00

Particulars: TO CASH

Stop payment details

Alpha	From CHQ	To CHQ	Accepted	CHQ Date	Amount	Payee Name
-------	----------	--------	----------	----------	--------	------------

Inquire a Transaction

For inquiring the transaction put “I” in the operation field and the offline transaction number in the respective fields as shown in the figure. This screen will also tell about the stop payment details if any.

BCP Tool for Offline Transaction/Signature

Current date: 03-06-09 Data files for BCP uploaded on : 02-06-09 04:56 PM Current User: AMI...

Operation: M Entered by: 2B Balance: 01-06-2009 : 08:00 AM

Offline Txn no.: 01530009000207644

Modified by: 1A Stop Payment: 27-05-2009

Verified by: 1A

DEBIT

01530009000207644 OD REVTI RAHAR SHARMA View Signature View Txn

Available Balance: 450221.46 Clear Balance: 221.46 Total Balance: 221.46

Account Essence: None Status: Active

CREDIT

0153000110003538 SF HARI JI View Txn

Available Balance: 2362.00 Clear Balance: 2362.00 Total Balance: 2362.00

Account Essence: None Status: Active

Instrument type: VC Cheque Number: Cheque Date: 03/06/2009 Amount: 20.00

Particulars: TO A/C 0153000110003538

Stop payment details

Alpha	From CHQ	To CHQ	Accepted	CHQ Date	Amount	Payee Name
-------	----------	--------	----------	----------	--------	------------

Modifying a Transaction

For modifying the transaction put **M** in the operation field and the offline transaction number in the respective fields as shown in the figure. After doing the required modifications press the “**MODIFY**” button the transaction will get modified and “**TRANSACTION MODIFIED**” message will be displayed in the message box. Press OK to proceed further.

BCP Tool for Offline Transaction/Signature

Current date: 03-06-09 Data files for BCP uploaded on : 02-06-09 04:56 PM Current User: AMI...

Operation: D Entered by: 2B Balance: 01-06-2009 : 08:00 AM

Offline Txn no.: 01530009000207644

Modified by: 1A Stop Payment: 27-05-2009

Verified by: 1A

DEBIT

01530009000207644 OD REVTI RAHAR SHARMA View Signature View Txn

Available Balance: 450221.46 Clear Balance: 241.46 Total Balance: 241.46

Account Essence: None Status: Active

CREDIT

0153000110003538 SF HARI JI View Txn

Available Balance: 2342.00 Clear Balance: 2342.00 Total Balance: 2342.00

Account Essence: None Status: Active

Instrument type: VC Cheque Number: Cheque Date: 03/06/2009 Amount: 20.00

Particulars: TO A/C 0153000110003538

Stop payment details

Alpha	From CHQ	To CHQ	Accepted	CHQ Date	Amount	Payee Name
-------	----------	--------	----------	----------	--------	------------

Deleting a Transaction

For deleting the transaction put **D** in the operation field and the offline transaction number in the respective fields as shown in the figure. The user has to check that the transaction is valid for deletion. Press Delete. It will give a confirmation message that the transaction has been deleted.

NOTE: Only unverified Txs can be deleted.



REPORTS GENERATION

BCP Tool for Offline Transaction/Signature

Current date: 18-02-09 Data files for BCP uploaded on : 17-02-09 11:26 AM. Current User: ARV1...

User Maintenance Change your password Backup database Master Upload Transactions Reports Generate TTUM File Windows Log Out

BCP

Reports

From: 18/02/2009 To: 18/02/2009

Select Transaction type: BOTH

Generate All Only Verified Transactions

Unverified Transactions TTUM Transactions

Deleted Transactions

Developed by : Software Deptt, PNB HO: ITD

The BCP tools provide the options for generating reports of cash transactions, transfer transactions and both for all the transactions between two dates. The user can view the following reports:

1. All,
2. Only Verified transactions,
3. Unverified Transactions,
4. TTUM Transactions, and
5. Deleted transactions.

Offline Transactions list

BOTH 03/06/09 -- 03/06/09

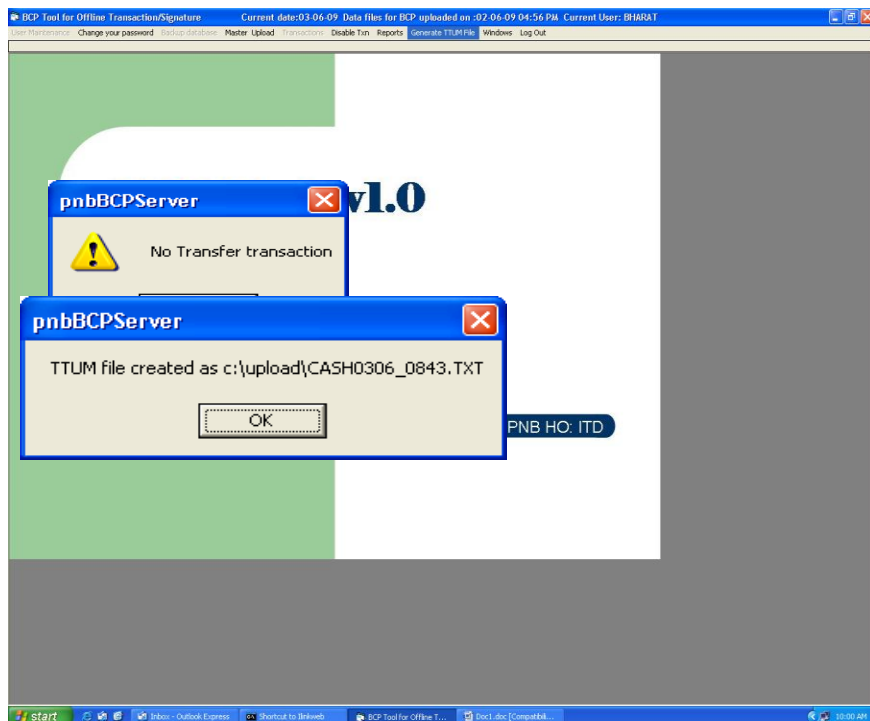
Account Number	A/c Holder's Name	Dr. Amount	Cr. Amount	Particulars	Maker/Modifier/Checker
03/06/2009					
1 CASH 0153000100911876	AMIT KUMAR OJHA	0.00	0.00	VC	2BA-RA
1 CASH 0153000119901	CASH				
2 CASH 0153000100911876	AMIT KUMAR OJHA	100.00	100.00	VC	2BA-RA
2 CASH 0153000119901	CASH				
3 CASH 0153000119901	CASH	1,011.00	1,011.00		2BA-RA
3 CASH 0153000100859071	GANESH PRASAD				
Total for 03/06/2009		1,111.00	1,111.00		
Grand Total		1,111.00	1,111.00		

The user can give a date range “From” and “To” for a particular report. The default date values are preset for the current system date and all the reports will be displayed for current date if date range is not given. The report shows the following:

- Transaction Number
- A/c Number
- A/c Holder Name
- Dr. Amount
- Cr. Amount
- Particulars
- Maker/Modifier/Checker



Generating TTUM



The generation of TTUM can be done by clicking the “Generate TTUM” option in the menu. All the General Users have to be logged-out before the TTUM can be generated. The TTUM is generated according to the type of transactions done in the offline mode.

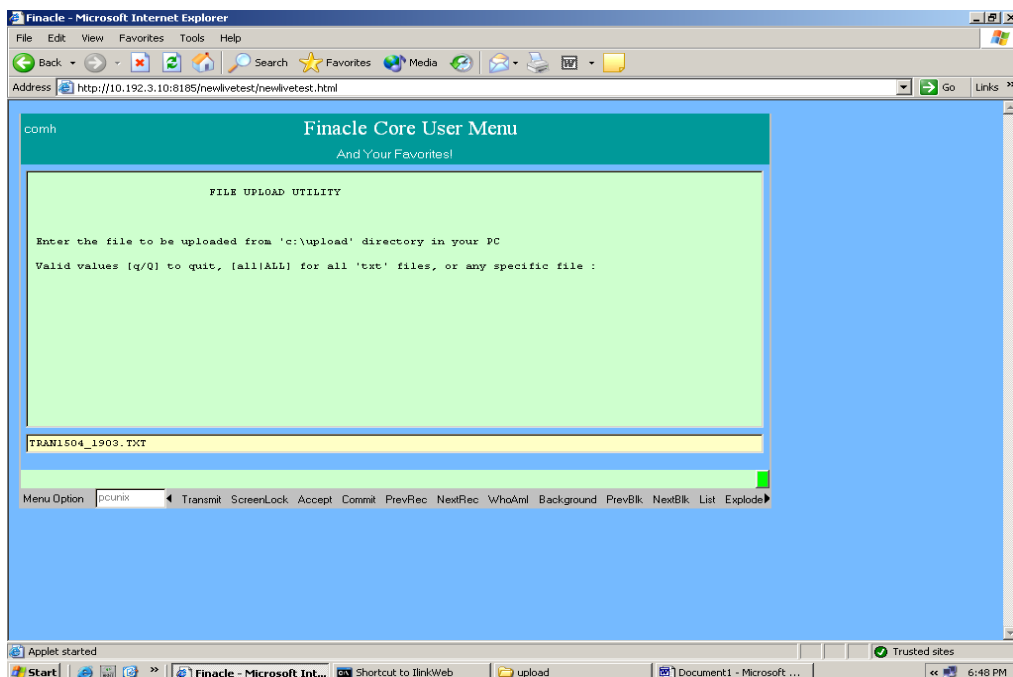
The TTUM file will be generated separately for the Cash and Transfer Transactions. The TTUM files will be automatically created in the **C:\Upload folder**.

The TTUM files can be distinguished by their name as it contains the type of transaction and the date and time of its generation. For Example (as in the figure),

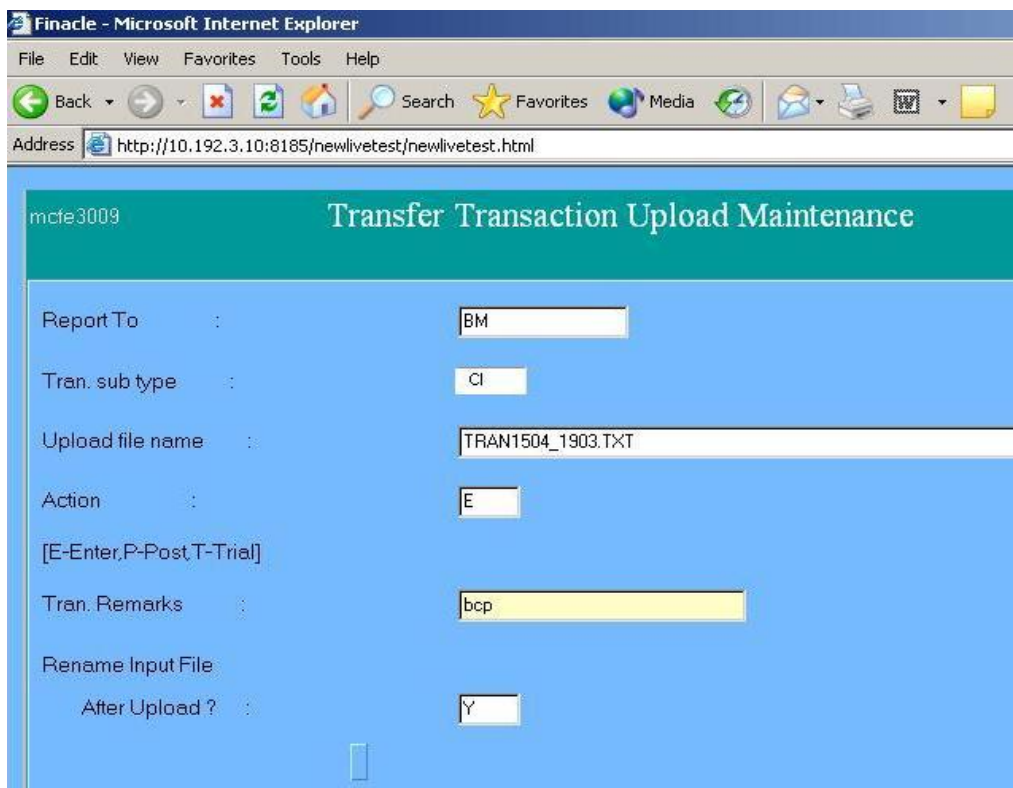
C:\upload\CASH0306_0843.txt



Uploading Generated TTUM file in Finacle:



Using PCUNIX menu option in Finacle, transfer the generated file to the Finacle from c:\upload directory of the local PC.



After PCUNIX, Upload TTUM File using **TTUM menu option**.

Enter “BM” in **Report To** field and “CI” in **Tran Sub Type**. This File should be uploaded in Entered mode (by entering ‘E’ in action field). Enter “N” in the Rename after Upload. Press F4.



Finacle - Microsoft Internet Explorer

Address: http://10.192.3.10:8185/newlvetest/newlvetest.html

Transfer Transaction Upload Maintenance

Print parameter acceptance form

Report To : BM

Tran. sub type : CI

Upload file name : TRAN

Action : E

[E-Enter,P-Post,T-Trial]

Tran. Remarks : BCP

Rename Input File After Upload? : Y

Fore/Background? : F FOREGROUND

Print Required? : Y BG Queue

No. Of Copies : 1

Printer ID : LOCAL LOCAL PRINTER

Delete on Print? : Y

Invalid function key

Menu Option : TTUM Transmit ScreenLock Accept Commit PrevRec NextRec WhoAmI Background PrevBlk NextBlk List Explore

Enter "F" in Fore/Background and "N" in Print Required.

Press F4.

Finacle - Microsoft Internet Explorer

Address: http://10.192.3.10:8185/newlvetest/newlvetest.html

Print Reports

User ID : 977358

Options : P - Print D - Delete T - Type N - NetCAST

User ID	Report Name	Date	Stat	Pgs
> 977358	UPLOAD FAILURE RPT	15-04-2009	1	
977358	UPLOAD SUCCESS RPT	15-04-2009	1	

977358 UPLOAD FAILURE RPT 15-04-2009 1

Printer : LOCAL Copies :

CMPL-Last Request Completed FAIL-Last Request Failed

Menu Option : DT Transmit ScreenLock Accept Commit PrevRec NextRec WhoAmI Background PrevBlk NextBlk List Explore

Success & failure reports for TTUM Upload will be generated in PR of the user. Both reports are useful to identify the status of the transactions.



Finacle - Microsoft Internet Explorer

Address: http://10.192.3.10:8185/newlvetest/newlvetest.html

Print Reports 15-04-2009

15-04-2009 19:22:29
PUNJAB NATIONAL BANK DATA CENTER

Validation Report On Transfer Transaction Upload

VALIDATION REPORT ON TRANSFER TRANSACTION UPLOAD

Report To : BM
Transaction Sub Type : CI
Upload File Name : TRAN1504_1903.TXT
Creation of Tran : E
Remarks : BCP
Rename Input File : Y

Tran Id : S49749858

Error Record File Name : ./EPREAAJoawIS.ERR
Error Report File Name : ./THPDAAIoawIS.FAI

Menu Option: [P] Transmit ScreenLock Accept Commit PrevRec NextRec WhoAml Background PrevBk NextBk List Explode

Tx Number generated in CBS should be noted from the success report on the printout of TTUM report generated from "BCP Tool

Finacle - Microsoft Internet Explorer

Address: http://10.192.3.10:8185/newlvetest/newlvetest.html

Transactions Maintenance 15-04-2009

Function: M MODIFY Initiating SOLID: 000000

Tran.ID: S49749858 Tran.Date: 11-11-2008

Type/Subtype: T / CI CUSTOMER INDUCED BCP

A/c.ID: 0153000107051535 / INR / 015300 AFZAL AHMED 1

Amount: 10.00 DEBIT TO A/C 0153000107054408

Instr.Type: CHQ PERSONAL CHEQUE Visit Screen

Instr.No: ASD / 212313 Instr.Date: 26-11-2008

Value Date: 15-04-2009 Print Advice

Remarks: Report Code

Ref.No.: Status

Specify Option: P POST PART TRAN

Cust Status: OTHERS A/c Bal. 1,69,432.02 Cr

Mode of opm. SELF Shadow Bal. 0.00 Cr

GL Subhead: SAVINGS FUND Available Amt 1,69,432.02 Cr

Active A/C E# Avail Amt 1,69,432.02 Cr

At the first record

Menu Option: [m] Transmit ScreenLock Accept Commit PrevRec NextRec WhoAml Background PrevBk NextBk List Explode

Then enquire the TM, Check & ensure that the records in Uploaded transaction matches with records in report generated from BCP Tool.

Ideally there should be no records in failure report.

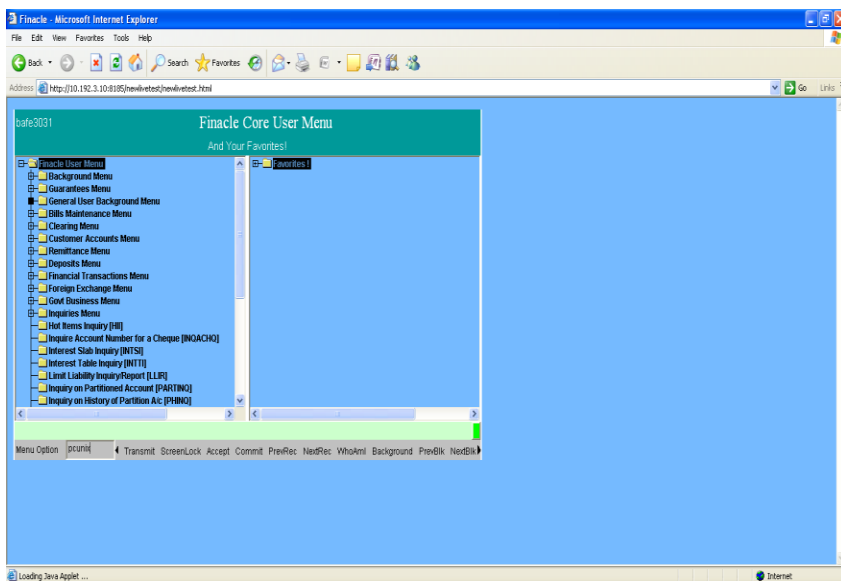
If there is any record in failure report (i.e. not uploaded in TTUM), the corresponding voucher should be appended in the uploaded TM.

After this, Transaction should be verified with physical voucher by verifier (other than the person uploaded the TTUM) in TM.



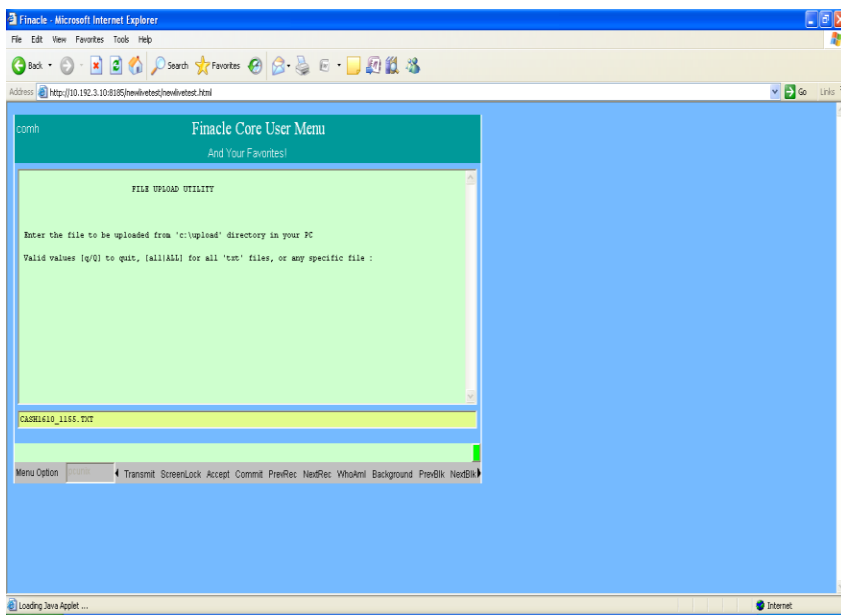
Uploading Generated CTUM file in Finacle:

The CTUM (Cash Transaction Upload Maintenance) menu option is used to upload the Cash Transactions carried out in offline mode through a flat file to CBS System. The flat file will be generated by the in-house developed BCP Application Software. The BCP software generates the flat file for offline Cash Transactions in the C:\Upload folder. The step-wise process to upload Cash Transaction file to the CBS System is as under:

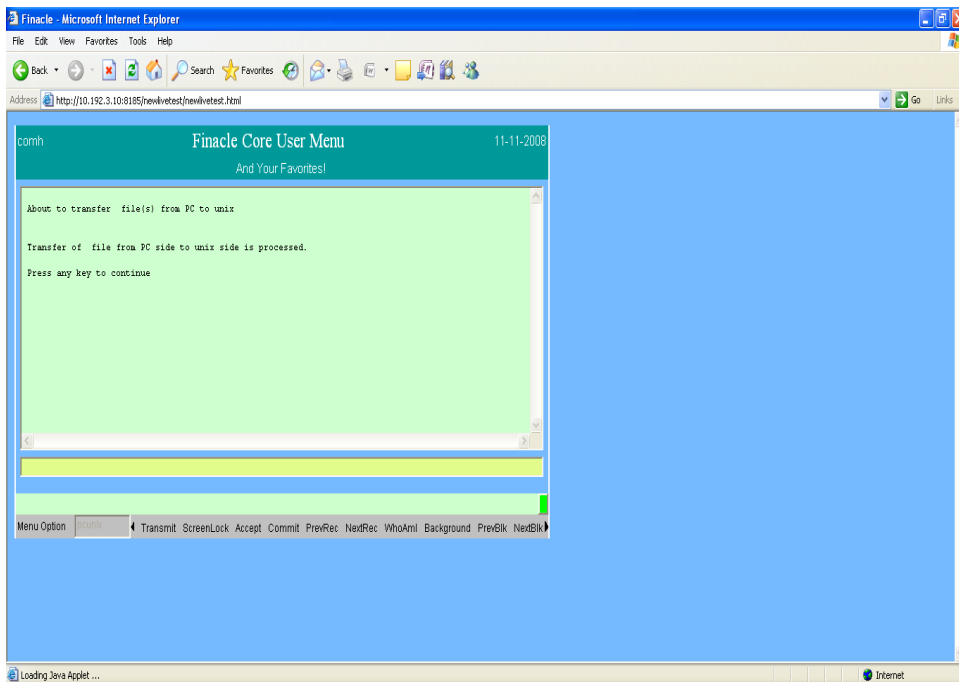


The flat file of cash transactions is to be uploaded for further processing. This can be done by transferring the file from C:\Upload folder to CBS system using the <PCUNIX> menu option.

Log in to <Finacle> and use menu option <PCUNIX>. Press <Enter>. Following screen will appear.

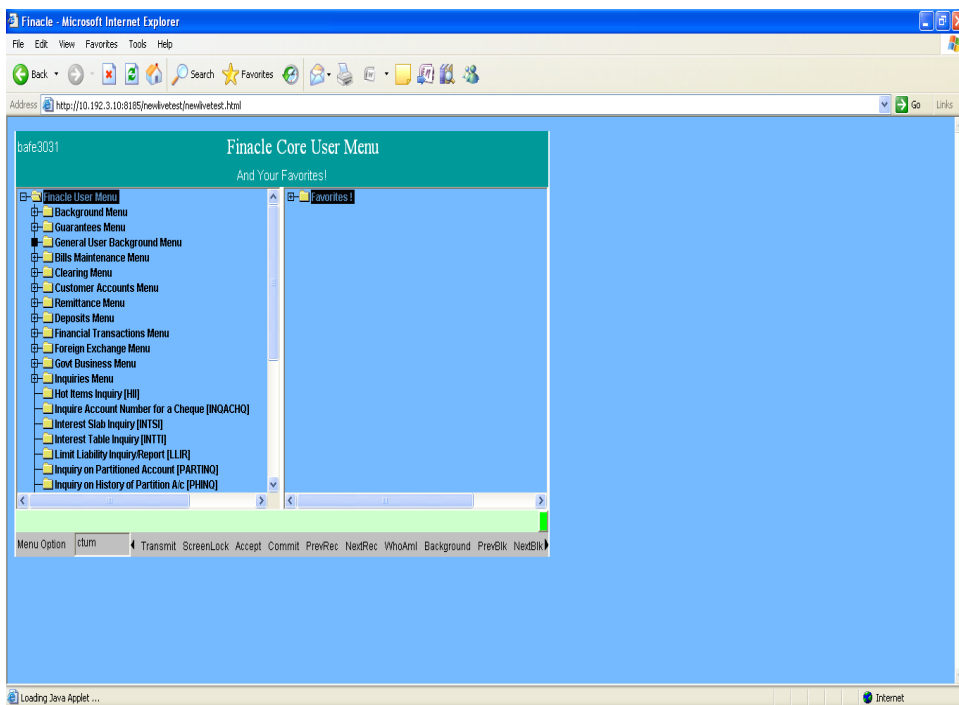


Enter the name of the file to be uploaded for processing from C:\upload folder. Press <F4>



“Press any key to continue” message will appear. Take appropriate action as per the message and visit back to Finacle Core User Menu.

The CTUM Menu option can be run in two modes namely **Trial** and **Entered** Mode. It is recommended that Trial mode to be used first so that all the errors can be rectified before going for final run. The steps for uploading the cash transactions to CBS System are as under:



Type **CTUM** and press **<ENTER>**

CTUM will give two options:

1. **Trial Mode**
(Recommended).
2. **Entered Mode**



TRIAL MODE

(it is recommended that
branches should first go for Trial
Mode Option)

Enter "Y" in <Trial Mode?> field.

Press **F4**, following screen will
appear

The screenshot shows a web browser window titled 'Finacle - Microsoft Internet Explorer'. The address bar shows 'http://10.192.3.10:8185/newlvetest/newlvetest.html'. The main content area has a green header bar with 'aaf0004 CASH TRANSACTION UPLOAD MAINTENANCE 11-11-2008'. Below this is a large blue area. A 'Trial Mode?' label is followed by a yellow input field containing the letter 'Y'. At the bottom, there is a 'Menu Option' dropdown menu set to 'clum', and a series of buttons: 'Transmit', 'ScreenLock', 'Accept', 'Commit', 'PrevRec', 'NextRec', 'WhoAmI', 'Background', 'PrevBkl', and 'NextBkl'. The status bar at the bottom indicates 'Loading Java Applet...' and 'Internet'.

The screenshot shows the same web browser window. The 'Trial Mode?' field now contains 'Y'. Below it, a 'File Name' label is followed by a yellow input field containing 'CASH1610_1155.TXT'. The 'Menu Option' dropdown menu is still set to 'clum', and the same series of buttons are present at the bottom. The status bar at the bottom indicates 'Loading Java Applet...' and 'Internet'.

Enter the name of file which has
been transferred to UNIX using
<PCUNIX> Menu Option. Enter
the name of the file and press
<F4>, following screen will
appear



aafe0004 CASH TRANSACTION UPLOAD MAINTENANCE 11-11-2008

Print parameter acceptance form

ForeBackground? F FOREGROUND

Print Required? N BG Queue

No. Of Copies 1

File Name CASH11 Printer ID LOCAL PRINTER

Delete on Print? Y

Enter a valid Background Execution Queue name

Menu Option Transmit ScreenLock Accept Commit PrevRec NextRec WhoAmI Background PrevBk NextBk

Enter **F** in <Foreground?> field. Enter **"Y"** or **"N"** in <**Print Required?**> field as per requirement and Press F-10. Success and failure reports will be generated for Trial mode. To view the reports use **PR** Menu Option. If everything is O.K., proceed for final posting of offline transactions through <Entered Mode>

aafe0004 CASH TRANSACTION UPLOAD MAINTENANCE 11-11-2008

Trial Mode? N

File Name CASH11R10_1156.TXT

Enter Mode? Y

Menu Option Transmit ScreenLock Accept Commit PrevRec NextRec WhoAmI Background PrevBk NextBk

Entered Mode

Use <CTUM> menu option. Enter **"N"** in Trial Mode? Enter the name of the file to be uploaded, Press F4. Following screen will appear.



Finacle - Microsoft Internet Explorer

Address: http://10.192.3.10:8185/newivetest/newivetest.html

11-11-2008

CASH TRANSACTION UPLOAD MAINTENANCE

Print parameter acceptance form

Trial Mode? ☐

File Name: CASHK

ForeBackground? F FOREGROUND

Print Required? N BG Queue

No. Of Copies: 1

Printer ID: LOCAL LOCAL PRINTER

Delete on Print? ☐

Enter a valid Background Execution Queue name

Menu Option: Transmit ScreenLock Accept Commit PrevRec NextRec WhoAmI Background PrevBk NextBk

Enter F in <Foreground?> field. Enter “Y” or “N” in <Print Required?> field as per requirement and Press **F10**. After processing, all entries of the flat file will be in “Entered” stage. Thus the user is relieved of making duplicate entries into CBS.

Finacle - Microsoft Internet Explorer

Address: http://10.192.3.10:8185/newivetest/newivetest.html

11-11-2008

CASH TRANSACTION UPLOAD MAINTENANCE

Print parameter acceptance form

comh

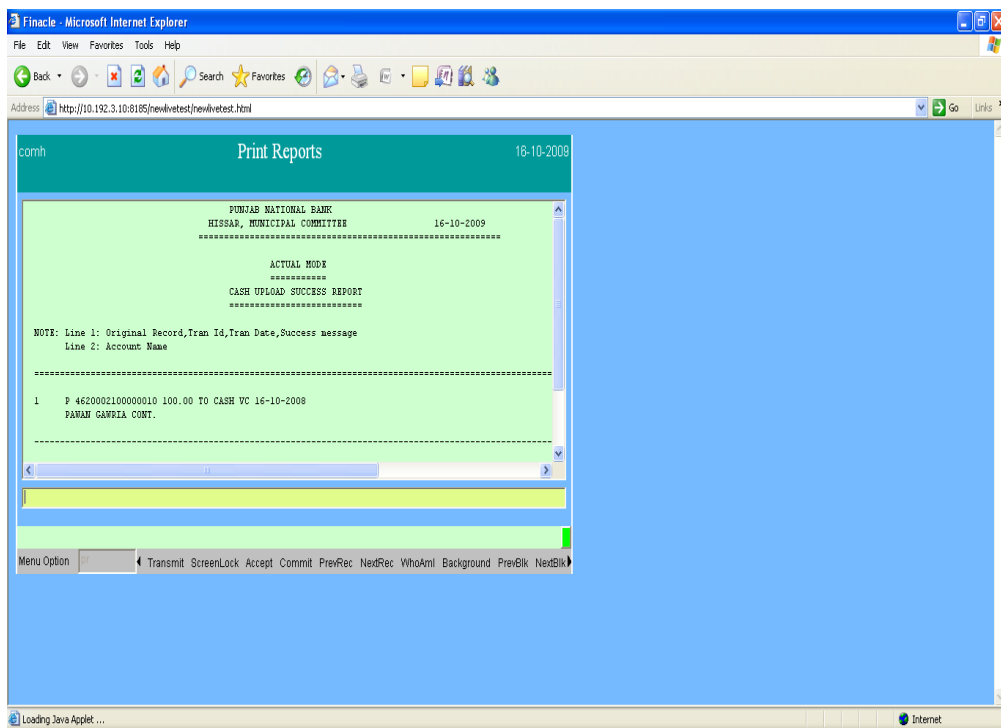
success list found
authn0004 rpt1
Report generated. To See/Print the report go to BackGround Menu. Use PRTING menu option to view the rep
success rpt done
failure list found
authn0004 rpt1
Report generated. To See/Print the report go to BackGround Menu. Use PRTING menu option to view the rep
failure rpt done
done

Menu Option: Transmit ScreenLock Accept Commit PrevRec NextRec WhoAmI Background PrevBk NextBk

Success and failure reports will be generated. To view the reports use <PR> menu option.



Success Report – Entered Mode



The Success Report will contain two lines per record for each entry. First line displays the original Record, Tran ID, Tran Date and Success Message. The Second Line of report displays the Account Holder's Name.

VERIFICATION OF TRANSACTIONS

Subsequently, the relevant menu options viz. TM, BTP, TV may be used as required for posting and verification of these transactions but with different user to conform to the requirement of maker/checker.



Summary -- working of BCP Tool

1. To start working in BCP Tool, double click on “shortcut to pnbBCPserver.exe” icon on the desktop. A Splash screen will appear informing the last BCP data updated in BCP Tool.
2. To upload the latest data in BCP tool, the official with right of “Generate TTUM, Master upload and Txn Enable” will log-in in BCP tool and click on Master Upload button. Doing this will upload the latest BCP data comprising of Balance files, Stop Payment files and Signature data into BCP Database.
3. To start the txns. through BCP Tool, the same official will click on Enable Txn. button, through which transactions through BCP tool will get enabled for all the users. (There can be any number of clients sharing data with BCP Server and transactions can be done on these clients & Server simultaneously.)
4. Now by applying the maker-checker concept the users will do and verify the txns. For every txn done through BCP Tool, System generated transaction number will get generated.
5. The software prompts for an undertaking if payments in an account during the day exceed the prescribed limit of Rs.15000/- as per the extant BCP guidelines. If the Total debit amount exceeds 15000/- limit in the selected A/c, the user can do the debit transaction but only after taking undertaking for the same.
6. No Inter-sol transactions are permitted through BCP Tool.
7. After getting done with the txns., the user with right of “Generate TTUM, Master upload and Txn Enable” will generate TTUM and CTUM files (for Transfer and Cash Txns respectively).
8. By referring the procedure for uploading TTUM & CTUM (provided in user manual), the transactions done through BCP Tool will be uploaded in Finacle.



Operational Guidelines for Business Continuity for CBS Branches

Notice to be displayed in CBS branches during period of disruption of services

Annexure-i

NOTICE

CUSTOMERS PLEASE NOTE THAT THERE IS DISRUPTION OF SERVICES DUE TO NON-FUNCTIONING OF SERVER. INCONVENIENCE CAUSED IS REGRETTED. **NO INTERSOL TXNs. WOULD BE PERMITTED DURING CONNECTIVITY OUTAGE.** EFFORTS ARE ON TO RESUME THE SERVICES AS QUICKLY AS POSSIBLE.

1. During the period disruption due to non functioning of the system, following **limited services** are available to our esteemed customers: -
 - Cash Receipt
 - Cash Payment
 - Deposit of cheques / instruments for outward clearing
 - Request for opening of new FD account / Renewal of existing FD account
 - Deposit of outstation cheques / instruments for collection
 - Request for opening of new account
 - Request for issuance of cheque book
 - Request for stop payment instructions
2. Cash deposited by the customers will be accounted for and balance in the account will be updated on restoration of services.
3. Due to non-updation in balance in the account during disruption of services, Bank may have to return any cheque drawn in the account or any debit instruction in the account. In case of payments not being honored the branch will be **returning** the cheques with the reason

“Normal Services Disrupted, please present again on restoration of Services”.
4. **Cash Payments may be made subject to availability of the latest balance in the account.**
5. The branch will accept stop payment instructions, attachment orders or garnishee order from courts or other authorities, intimation of death/lunacy/insolvency of the customer, intimation of loss of demand draft / pay order etc. subject to the condition that the same will be acted upon on restoration of services.



Operational Guidelines for Business Continuity for CBS Branches

Annexure-ii

**Monthly report to be sent by branch to RO, RO to ZO and ZO to HO-ITD on disruption/
discontinuance of services in cbs branches**

Part: I

NAME OF REGION/ZO_____

ZONAL OFFICE_____

Sr.no.	Sol-id	NAME OF THE BRANCH/EC	DATE OF DISRUPTION	TIME		REASON FOR DISRUPTION	SERVICES RENDERED
				FROM	TO		

Number of transactions during disruption:

Debit

Credit

Cash
Clearing
Transfer

Numbers of complaints if any:

Part II: -

Details of the accounts in which overdraft has been caused due to allowing payment during
disruption of services

S.No.	Sol-id	Nature of A/c	A/c No	A/c Name	Amt Withdrawn	Balance O/s	Amt recovered if any



Operational Guidelines for Business Continuity for CBS Branches

Annexure-iii

Acknowledgement at the time of receipt of letter of stop payment

Punjab National Bank

BO: _____

Date: _____

Dear Sir/Madam,

Reg: Cheque no. _____ dated _____ favouring _____

We are in receipt of your letter of _____ to note stop payment of the above cheque, **however**, we have to draw your attention that services are disrupted due to non functioning of the server and we shall be recording your request for stop payment into the computer system upon restoration of normal services.

Yours faithfully

Manager



Operational Guidelines for Business Continuity for CBS Branches

Annexure-iv

Letter for allowing withdrawal during the breakdown / failure of server in CBS branches

Date:_____

The Manager
Punjab National Bank
BO: _____

Sir,

Please allow me withdrawal of Rs,_____ from my SF/CA/CC/OD a/c no. _____ with you, subject to the condition that I/We will deposit back the amount so withdrawn with interest at the rate as applicable as for clean overdraft (as on date of creation of overdraft) in the event of such withdrawal turning into an overdraft in my above account.

Thanking you

Yours faithfully

()

Address:



DO'S and DON'Ts

1. There should be sufficient space for the software (DSM Agent, BCP Tools, Oracle and BCP data), recommended space is more than 4GB in C drive.

Sr. No.	Software-Data	Space Requirement	Remarks
1.	CA DSM Agent	300 MB	Runs automatically at predefined intervals and downloads the BCP Data. Its status should be <Running>
2.	BCP Data	100 MB	BCP Data comprises of Balance file transmitted thrice a day, Stop Payment File transmitted once a day and incremental signatures.
3.	Oracle XE	1.2 GB	Fresh Install (Without data)
4.	BCP Tool v1.0	9 MB	For Carrying out transactions in offline mode.
5.	WinRar	3.5 MB	For file compression and encryption.
6.	Signature File (Transmitted by HO)	500 MB (Approx.)	Depends on no. of A/cs at branch. Incremental Signatures transmitted on weekly basis. One Time Signature transmitted only once.

2. There should not be any changes in Hardware and Software without prior permission from the ITD.
3. There should not be any changes in the format of file structure decided for BCP.
4. The BCP PC should be clearly marked with a Sticker /Label.
5. **Power should be ON (24x7) of the PC in which DSM Agent is Installed. (i.e. BCP PC)**
6. **Antivirus should be updated.**
7. **The system date and time should be as per actual.**
8. **The branch router should also be kept <SWITCHED ON> on 24x7 basis.**
9. Proper backup should be taken before formatting the BCP PC (server).
10. There should not be any changes in files of the Software installed for BCP purpose from the User end.
11. Files should not be specified as read only which is to be used by BCP software.
12. If end user is Using Command Window it should Properly Exit.
13. Any of the Software mentioned above in table for the BCP purpose should not be uninstalled.
14. There should not be unnecessary data in C: Drive.
15. The **IP address** and **System Name** should not be changed without prior permission from the ITD.
16. The system on which DSM Agent is installed should be connected with Network.
17. The process used by BCP software should not be stopped forcefully by end User.
18. Do not install unnecessary software in the system in which DSM agent installed.
19. **Ensure that the BCP PC is migrated to Active Directory and the user logs into Active Directory with appropriate credentials.**
20. Always follow the guideline provided by ITD, HO.



BCP Automation Project - Installation

The necessary steps to be followed while implementing the BCP Automation Project.

Domain Activities (At ZNC)

1. Take the backup. Format the DM server, if necessary.
2. Install Windows Server 2003 with service pack -2
3. Install SQL Server 2000 with service pack - 4.
4. Install the CA Unicenter DSM – Domain Manager. The following components are required to be installed: Explorer, Reporter, Engine, Domain Manager, Infrastructure Deployment, Web Console, Web Services, Scalability Server, Agent, CCS and Documentation. Enter the I.P. of the Enterprise Manager (10.192.18.19)
5. Install Arcserve Backup server for taking backups and take backups regularly.
6. Dump all the Software (CA Unicenter DSM, Window Server 2003, SQL Server 2000 and the Required Service Packs) in a secondary drive for example D:\ drive.

Note: All the installations to be done in D:\ drive so that data can be safe guarded against any virus activity and boot drive problem.

7. Install WinRar for file compression.
8. Enable the Remote Desktop (RDP) and assign a User Name and Password (with Administrative Rights).
9. Configure the IIS. (Steps mentioned below.)
10. Create Default FTP Site. (Steps mentioned below.)

Configuring the Internet Information Services(IIS) At Domain Server

1. Configure the Default FTP Site and IIS. Control Panel --> Add and remove Programs --> Add/Remove windows Component. --> Select application server→ Click on Details.
2. Select Internet Information Services(IIS) and click on Details
3. Check the File Transfer Protocol (FTP) services. click OK
4. It will ask for i386 folder of Windows Server 2003. Insert the Windows server 2003 CD in CD ROM or Browse the path of the Windows server 2003 or its dump (if saved in secondary drive).

File structure at Domain Server **(To be created by CO Team one by one.)**

1. D:\Bcp-dm
2. D:\Bcp-dm\current_data – it is the **ftp directory**
3. D:\Bcp-dm\current_data\ Sign\Script
4. D:\Bcp-dm\current_data \Transfer
5. D:\Bcp-dm\Temp



Creating Default FTP Site

1. Create a user with Administrative Rights according to your Zonal Server name.
For Example, if your DM Server's name is **del_dm** then user name will be **deldm**, and Password : pnb#123
2. Start-> Programs-> Administrative Tools->Computer management
3. Select Local Users and groups-> Right-Click and Select New User -> Add Details like user name and password as above. -> Check **<Password never expires>** option-> Click **<Create>**
4. **Default FTP Site:** Start->Programs-> Administrative Tools-> Internet Information Services (IIS) Manager-> Choose Default FTP Site-> Right Click and set IP address of the DM/ Scalability Server,TCP Port-21 and change the time value to 12000 from 120.
5. Select Security Accounts Tab->Select the user e.g.<**deldm**> and give the password.
Select the Home Directory Tab and Select **< A directory located on this computer>** Give path of **D:\BCP-DM\Current_Data** and check all three options: **Read,Write, Log Visits**. The **Directory Listing Style** should be **MS-DOS**-> Click OK

Branch Level Activities

1. *Change the system name. Right Click <My Computer> -> Properties-> Computer Name-> Click **<Change>**. Enter name as **<bcp-#####>**. Here ##### denote digits of the SOL id. The general naming convention to be used is **<bcp-#####>**.

*(This is to be done at the **BCP PC only** and not at Client.)

2. Install the CA Unicenter DSM-agent. Select the **<Agent>** feature and enter<**I.P. address**> of the **Scalability Server (Domain Server)** during installation.

(Please note that Respective **<Scalability Server (Domain Server)>** is to be chosen.)

3. Install WinRar.
4. Install Oracle XE 10g Express Edition on BCP Server PC.
5. Install the BCP Tool (**pnbBCPserver.msi**) on BCP Server PC.
6. Install Oracle **<Client>** on other **Client PC**.
7. Install the BCP Client Tool (**pnbBCPclient.msi**) on **Client PC**.
8. Enable the Remote Desktop. -> Right Click<My Computer> -> Properties-> Remote (Top-right Corner)-> Check **<Remote Assistance>**and **<Remote Desktop>** (These two options need to be checked) -> Assign a User Name and Password. .
9. Migrate the BCP PC to **Active Directory*** after finishing the installation.(steps given below)
10. Branch user should login with appropriate credentials to Active Directory. The user name for login to Active Directory will be bo#### (4-digits of sol-id) and password will be the password of the mail id of the branch.

Note: All the installations have to be done in the C:\ drive if not mentioned explicitly.



Software Installation

Software CD contains a folder named BCP-Tool. It contains the following files:

- ❖ OracleXE.exe
- ❖ OracleXEClient.exe
- ❖ pnbBCPClient.msi
- ❖ pnbBCPServer.msi

A) Steps to install BCP Tools on the PC selected as database server (One at every branch):

1. Install OracleXE.exe by double-clicking the file.

- i) Follow the instructions during installation. (clicking next buttons will suffice)
- ii) During installation it will ask password for sys/system user of Oracle server. let it be hobcp2009. Please use the same password during installation at every branch server.

Steps to run Setup for BCP Server:

- i) Install pnbBCPServer.msi on server PC. (clicking next buttons will suffice)
- ii) After installation, shortcut will be created on desktop. Double-click it. The following screen will appear:
- iii) Enter Distinctive number (Sol-ID) of branch along with other details and click "Save"
- iv) This completes installation on server PC.

Enter Branch Details

Initial Server Setting

Distinctive No. (6 digits)

Branch Name

Address

Save Cancel

B) Steps to install Oracle XE Client on Other machines:

1. Install OracleXEClient.exe by double-clicking the file.

Follow the instructions during installation. (Clicking next buttons will suffice)

C) Steps to install BCP Tool Software Application on client machines:

1. Install pnbBCPClient.msi by double-clicking the file.
2. Follow the instructions during installation. (Clicking next buttons will suffice)
3. A shortcut to the BCP Software will be created on desktop from where the BCP Application can be used.
4. When you start the application for the first time, it will ask server IP-Address.
5. Enter the IP address of the BCP Server at Branch and click Save.
6. This completes installation on Client PCs.

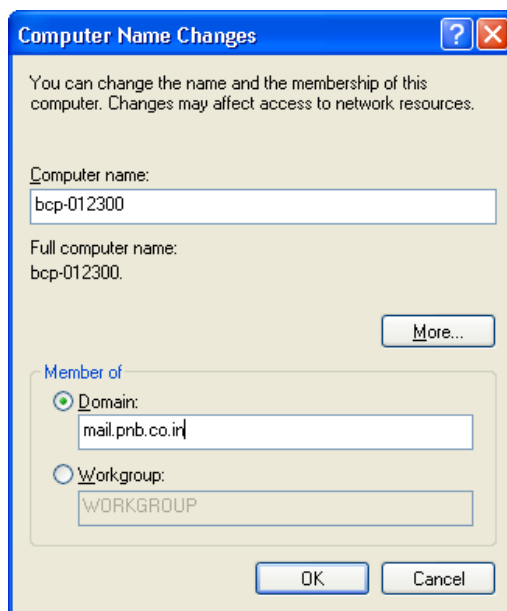
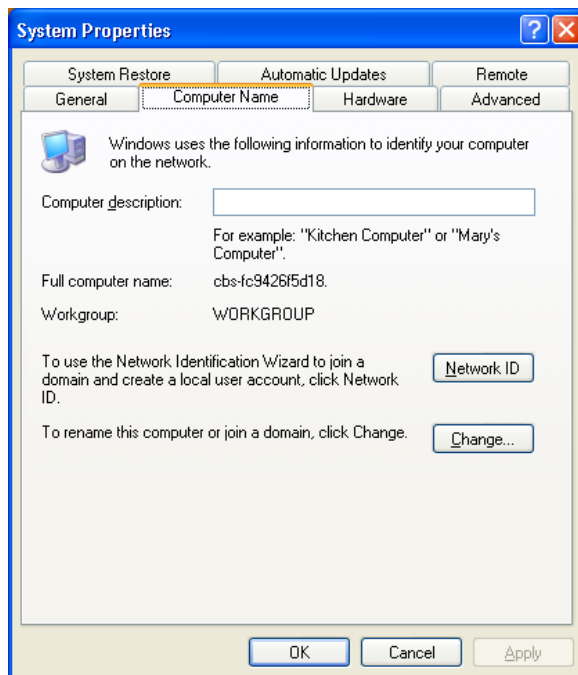
Note: Please ensure that the windows firewall at the BCP Server is disabled; otherwise the client will give timeout message.

One user has already been created to login to BCP Tool with User-id: **9admin** password: **pnbcpaudit**



*Steps to join BCP PC into Active Directory

Change the system name. Right Click <My Computer> → Properties→ Computer Name→ Click <Change>.



Enter name as <bcp-#####>. Here ##### denote digits of the SOL id. The general naming convention to be used is <bcp-#####>. **(This is to be done at the BCP PC only and not at Client.)**

Click on Domain and type **mail.pnb.co.in** in the box as shown in diagram. Insert user name as testuser & password as **pnb_123**

Click OK and after some seconds message will appear as confirmation of joining BCP PC into Domain.



punjab national bank



NOTES



punjab national bank



NOTES