

BUS4i

System Copy / Migrate23



Installation Guide



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I. Pre-Installation – Tasks

1. How to download the Software

Download the following files from this page

<https://wiki.bus4i.com/bin/view/Main/BUS4i/BUS4i%20System%20Copy/>

and transfer the SAVF file with FTP to your Produktion system.

- BUSCFGSCYE.SAVF

2. Request a license key at T.S.P. (not required if purchased from IBM Cloud Store)

3. Functionality of the software

- Migration of configuration objects, system values, user profiles, permissions, user libraries, spool files, DLO and IFS.
- The software needs a dedicated access to the migration data. (This means no users can work at this time window)
- Default used transfer ports 21, 446, 13999 and 14000 (all are changeable except port 21 ftp, but its only used for the initial installation)

4. Requirements for the data transfer

The following requirements are necessary for the data transfer:

1. The target System requires a fully installed operating system.
2. Different system name and database name (WRKRDBDIRE).
3. Check the ASP disk usage of both systems.
4. The operating system should have the same release (but 2 releases up or down are also possible, then filter adjustments must be made at the transfer).
5. VPN connection between both systems (does not have to be a dedicated fiber optic line).
6. FTP server should be active on both systems.
7. DDM server should be active and needs the same configuration on both systems.
8. SECOFR user on both systems.
9. Same language settings (system values QLANGID, QCNTYID, QCCSID)



II. Installation

You only must transfer the SAVF to the primary system, then the following command will do the installation over FTP on both systems.

1. Installation from primary system

At first you must transfer the configuration file (BUSCFGSCYE.SAVF) to your primary system into the library QGPL.

a. Restore the installation library

- RSTLIB SAVLIB(BUSCFG) DEV(*SAVF) SAVF(QGPL/BUSCFGSCYE)

b. Change library list

- ADDLIBLE LIB(BUSCFG)

c. Installation and configuration on both systems

- INSTBUS4I

```
Install BUS4i local and remote (INSTBUS4I)

Type choices, press Enter.

Remote IP-Address or name . . . 172.16.1.48
Local IP-Address or name . . . 172.16.1.45
Target user name . . . . . tspuser      Character value
Target password . . . . .
Remote system name . . . . . cldrzbkp      Name
Remote controller name . . . . . ETH*          Name, generic*
Remote rel. data base name . . . *RMTSYSNAM
Local system name . . . . . BUS4Iprd       Name, *NETATR
Local controller name . . . . . eth*          Name, generic*
Local rel. data base name . . . *LCLSYSNAM
System link . . . . . P2S              Character value, *DFTSL
Install BUS4i local . . . . . *YES         *YES, *NO
BUS4i config. file . . . . . BUSCFGSCYE    Name
Library . . . . . QGPL              Name

Bottom
F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
```



2. Configuration on primary system

After the installation you must insert the license information and process control parameter.

a. Call system copy menu

- SYSCPYP

```
SRC100          BUS4i System Copy          System:  BUS4IPRD
Options:        *** Primary System ***

  1. Work with system links
  2. Work with transmission processes
  3. Administer system links
  4. Administer mirror groups
  5. System copy functions

  8. Process control
  9. Administer system parameter
 10. Display installed BUS4i Hot-Fix and PTF's

 12. Display license code
 13. Enter license code

More...

Option or Command
===> _____

F1=Help  F3=Exit  F4=Prompt  F8=Spool-Files  F9=Retrieve
F10=Submitted Jobs  F11=Active Jobs  F12=Cancel  F19=Active BUS4i Jobs
® Copyright T.S.P GmbH - Your Partner for High Availability -
```



b. Insert license code which you got from T.S.P.

- Select 13. Enter license code

```

User. . . : TSPUSER                Enter T.S.P License Code                Date : 11.07.23
System. . : BUS4IPRD                Time : 08:17:06
Program . : CHK03CL

Check system values and license code and press Enter

Description          Licence values      System values
Serial number. . . . . 7815270            7815270
Model code . . . . . 41A                41A
Partition-ID . . . . . 003                003                001 - 999
Max. number of processors. 003.00            000.10            000.01 - 999.99

Date of expiration . . . . 31.12.2500                TT.MM.JJJJ

Produkt library. . . . . SRCSYS                Name

License code 1 . . . . . 0832392170630600662352220852061901621300950461110
Licence code 2 . . . . . 9705918310912322422223821320820506108008324018921
Licence code 3 . . . . . 8236073182222068191188162216045225017187041085037

F3=Exit  F12=Cancel
    
```

c. Configure process control parameter

- Select 8. Process control

```

HVS004                Process Control                System:  BUS4IPRD

Options:

  1. Administer Control Parameter

  3. Administer eMail Receiver lists
  4. Administer SMS Receiver lists
  5. Administer SNADS Receiver lists

  7. Copy parameters and receiver lists to library SRCSYS/TGTSYS

 10. Display Control Protocol

Option or Command
===>

Bottom

F1=Help  F3=Exit  F4=Prompt  F8=Spool-Files  F9=Retrieve
F10=Submitted Jobs  F11=Active Jobs  F12=Cancel  F19=Active BUS4i Jobs
    
```



- Select 1. Administer Control Parameter

```

HVS01CL                Administer control values                System: BUS4IPRD

Activate monitoring. . . . Y                Y=Yes, N=No

Local TCP-Address/Name. . . 172.16.1.45 / BUS4iPRD
SMTP-Server. . . . . mail.mycompany.com
eMail-Address (Transmit) . . bus400@tsp-gis.de

-----
Process control start time 000000 000000 000000 000000 000000 000000 000000
Process control end time . 235959 235959 235959 235959 235959 235959 235959
Monitoring intervall . . . 900                1 to 99999 seconds
Monitoring stop until. . . *NONE                HHMMSS=Hour/Min/Sec, *NONE

Nagios-Server. . . . . -
Nagios Port. . . . . 5667                1024 - 65535
Mirror group (new Libs) . . *FILE                Name, *FILE, *NONE
Stop BUS4i Processes at. . 95                1 to 100 % ASP used

F3=Exit F5=Refresh F9=Work with mirror group assign. F12=Previous view
F13=Default monitoring time
    
```

Change the marked parameter, IP-Address, system name, SMTP-Server and transmission e-mail address.

- Select 3. Administer eMail Receiver lists

```

HVS03CB                Administer eMail-Distributor                System: BUS4IPRD

Please enter selection, then press ENTER.
 2=Change 3=Copy 4=Delete 5=Display

Sel. Distribut. Sequ. eMail-Address
      ID      Number
- EMAILVT1      5 bus400@tsp-gis.de

Bottom

F3=Exit F5=Refresh F6=Add F12=Return
    
```

You must replace the already existing e-mail address with your own e-mail address or add your e-mail address to the list.



d. Change used tcp ports

- Select 3 Administer system links

```
HVS09CB                               Administer system links                               System: BUS4IPRD

Please enter selection, then press ENTER.
2=Change 3=Copy      4=Delete  5=Display  7=Rename
A=Work with send proc.  B=Administer mirror groups  C=Service functions
D=Administer filter and rules
Sel- System
ect. link  xSB Description                               Status
-   P2S    N System link primary->secondary           ACTIVE

F3=Exit  F5=Refresh  F6=Add system link  F12=Back
```




- Select 2=Change, to change the parameters of the system link

```

HVS09CB                Display system link                System: BUS4IPRD

Please enter data and press ENTER.

System link Id / description. . P2S  Systemlink P2S
ISB-Version . . . . . N                Y=Yes, N=No
Primary system:
Controller name. . . . . ETH*          Name, generic*
IP-Address/name. . . . . 172.16.1.45
Relational data base name. . . BUS4IPRD Name
Secondary system:
Controller name. . . . . ETH*          Name, generic*
IP-Address/name. . . . . 172.16.1.48
Relational data base name. . . CLDRZBKP Name
Change IP address when switchg. Y      Y=Yes, N=No
System link port/number Sockets 13999 / 5    1024 - 65535 / 1 - 64
Mirror grp. port from/increase. 14000 / 1    1024 - 65535 / 1 - 999
DDM Port. . . . . 446                1 - 65535

Data compression rec-len/lvl. . 32766 / 1    1 - 32766 / 0 - 9
Number of connection retries. . 150        1 - 99999

F3=Exit  F12=Back                                     More...
    
```

Here you can change the used ports by our software.

- 13999 is for the system link, to transfer libraries, objects, IFS and DLO
- 14000 is for the only mirror group, to transfer user profiles, spoolfiles and configuration objects
- 446 DDM is for the communication between both systems and transfer of the configuration changes in bus4i system copy. If you change this port you must also change it in the TCP/IP configuration of the DDM server/client application in the system



e. Config CCSID and language codes

- Select 3 Administer system links

```
HVS09CB                Administer system links                System: BUS4IPRD

Please enter selection, then press ENTER.
2=Change 3=Copy        4=Delete  5=Display  7=Rename
A=Work with send proc. B=Administer mirror groups C=Service functions
D=Administer filter and rules
Sel- System
ect. link  xSB Description                                Status
-   P2S   N System link primary->secondary              ACTIVE

F3=Exit  F5=Refresh  F6=Add system link  F12=Back
```



- Select 2=Change, to change the parameters of the system link
- Press enter to switch to the next page

```

HVS09CB                               Change system link                               System: BUS4IPRD

Please enter data and press ENTER.

System link Id / description. . P2S   System link primary->secondary
ISB-Version . . . . . N                Y=Yes, N=No

Start system link automatically Y      Y=Yes, N=No
Synchronize config changes . . . 2    0=No ,1=Pri+Sec, 2=1+Back mir.
Sync. ISB config to Sec-System. N     Y=Yes, N=No

Object mirror group (JOBSCDE) . P2S_#OBJ   Name, *NONE
Mirror group prefix . . . . . P2S*        Name, generic*
System link ID back mirroring . S2P       Name
CCSID . . . . . 65535                    1 - 65535
CCSID Default . . . . . 273              1 - 65535
CCSID REXEC-Server. . . . . 850         1 - 65535
Language ID . . . . . DEU                DEU, ENG, etc.
Country ID. . . . . DE                   DE, US, EN, etc.
Get status info from remote . . Y       Y=Yes, N=No
Send status info to Nagios. . . N       Y=Yes, N=No

F3=Exit  F12=Back                               More...
  
```

Here you must change the CCSID, CCSID Default, Language ID and Country ID. You can check all these parameters in your job with the IBM command WRKJOB, in the selection 2 Display job definition attributes. On the 3rd Page you see all of the information.



f. Check system copy configuration

Enter the following command to check the configuration

- CHKBUSCFG SYSCD(PRI) BUSCD(SC)

```
SRC100                                BUS4i System Copy                                System:  BUS4IPRD
Options:                                *** Primary System ***

  1. Work with system links
  2. Work with transmission processes
  3. Administer system links
  4. Administer mirror groups
  5. System copy functions

  8. Process control
  9. Administer system parameter
 10. Display installed BUS4i Hot-Fix and PTF's

 12. Display license code
 13. Enter license code
 14. Change BUS4i password

Option or Command
===>

F1=Help  F3=Exit  F4=Prompt  F8=Spool-Files  F9=Retrieve
F10=Submitted Jobs  F11=Active Jobs  F12=Cancel  F19=Active BUS4i Jobs
BUS4i configuration successfully verified.
```

If you get the message “BUS4i configuration successfully verified” than you can proceed to chapter 3 Configure target system.



g. User profile BUS4i has the password *NONE

This means the BUS4i user password is not set yet. To do so you have to select 14. Change BUS4i password and set it according to the system password rules.

In order to do so you have to enter the BUS4i admin password: BUS4iAdmin

```
CHGBUSPWD          Change BUS4i Password          System: BUS4IPRD

BUS4i user profile. . . . . : BUS4i
Password last changed . . . . . : 24.10.24

Type choices, press Enter.

BUS4i admin password. . . . .
New BUS4i password (blank = auto-gen.) . . . .
New password (to verify if <> blank) . . . .

F3=Exit          F12=Cancel
```



3. Configure the target system

The next step is that you must insert the license information and process control parameter.

a. Call system copy menu

- SYSCPY

```
TGT100          BUS4i High Availability System 8.1          System:  CLDRZBKP
Options:                *** Secondary System ***

  1. Work with system links
  2. Work with applying processes
  3. Display system links
  4. Administer mirror groups

  6. Work with receiving processes

  8. Process control
  9. Administer System Parameter
 10. Display installed BUS4i Hot-Fix and PTF's

 12. Display license code
 13. Enter license code

Option and Command
===>

F1=Help  F3=Exit  F4=Prompt  F8=Spool-Files  F9=Retrieve
F10=Submitted Jobs  F11=Active Jobs  F12=Cancel  F19=Active BUS4i Jobs
© Copyright T.S.P GmbH - Your Partner for High Availability -
```



b. Insert license information

- Select 13. Enter license code

```

User. . . : TSPUSER           Enter T.S.P License Code           Date : 11.07.23
System. . : CLDRZBKP                                     Time : 08:37:54
Program . : CHK03CL

Check system values and license code and press Enter

Description          Licence values      System values
Serial number. . . . . 7815270           7815270
Model code . . . . . 41A             41A
Partition-ID . . . . . 008             008           001 - 999
Max. number of processors. 003.00         000.10       000.01 - 999.99

Date of expiration . . . . 31.12.2500           TT.MM.JJJJ

Produkt library. . . . . TGTSYS           Name

License code 1 . . . . . 0832392170630600662352220852061902161302150461220
Licence code 2 . . . . . 9705918310912322422223821320820506108008324018921
Licence code 3 . . . . . 8236073182082068191188162216045225017187041085037

F3=Exit  F12=Cancel
    
```

c. Configure process control parameter

- Select 8. Process control

```

HVS004           Process Control           System:  CLDRZBKP

Options:

  1. Administer Control Parameter

  3. Administer eMail Receiver lists
  4. Administer SMS Receiver lists
  5. Administer SNADS Receiver lists

  7. Copy parameters and receiver lists to library SRCSYS/TGTSYS

 10. Display Control Protocol

Option or Command
===>

Bottom

F1=Help  F3=Exit  F4=Prompt  F8=Spool-Files  F9=Retrieve
F10=Submitted Jobs  F11=Active Jobs  F12=Cancel  F19=Active BUS4i Jobs
    
```



- Select 1. Administer Control Parameter

```

HVS01CL          Administer control values          System: CLDRZBKP

Activate monitoring. . . . Y          Y=Yes, N=No

Local TCP-Address/Name. . . 172.16.1.48 / CLDRZBKP
SMTP-Server. . . . . mail.mycompany.com
eMail-Address (Transmit) . . bus400@tsp-gis.de

-----
Process control start time  Mon  Tue  Wed  Thu  Fri  Sat  Sun
                          000000 000000 000000 000000 000000 000000 000000
Process control end time . 235959 235959 235959 235959 235959 235959 235959
Monitoring intervall . . . 900          1 to 99999 seconds
Monitoring stop until. . . *NONE          HHMMSS=Hour/Min/Sec, *NONE

Nagios-Server. . . . .
Nagios Port. . . . . 5667          1024 - 65535

F3=Exit  F5=Refresh          F12=Previous view
F13=Default monitoring time
    
```

Change the marked parameter, IP-Address, system name, SMTP-Server and transmission e-mail address.

- Select 3. Administer eMail Receiver lists

```

HVS03CB          Administer eMail-Distributor          System: CLDRZBKP

Please enter selection, then press ENTER.
  2=Change  3=Copy  4=Delete  5=Display

Sel. Distribut. Sequ. eMail-Address
      ID      Number
-  EMAILVT1      5  bus400@tsp-gis.de

Bottom

F3=Exit  F5=Refresh  F6=Add  F12=Return
    
```

You have to replace the already existing e-mail address with your own e-mail address or add your e-mail address to the list.



d. Check system copy configuration

Enter the following command to check the configuration

- CHKBUSCFG SYSCD(SEC) BUSCD(SC)

```
TGT100          BUS4i High Availability System 8.1          System:  CLDRZBKP
Options:                *** Secondary System ***

  1. Work with system links
  2. Work with applying processes
  3. Display system links
  4. Administer mirror groups

  6. Work with receiving processes

  8. Process control
  9. Administer System Parameter
 10. Display installed BUS4i Hot-Fix and PTF's

 12. Display license code
 13. Enter license code

                                                                    Weitere ...

Option and Command
===> _____

F1=Help  F3=Exit  F4=Prompt  F8=Spool-Files  F9=Retrieve
F10=Submitted Jobs  F11=Active Jobs  F12=Cancel  F19=Active BUS4i Jobs
BUS4i configuration successfully verified.
```

If you get the message “BUS4i configuration successfully verified” than you can proceed to chapter 4 Start the data transfer from primary system.



e. User profile BUS4i has the password *NONE

This means the BUS4i user password is not set yet. To do so you have to select 14. Change BUS4i password and set it according to the system password rules.

In order to do so you have to enter the BUS4i admin password: BUS4iAdmin

```
CHGBUSPWD          Change BUS4i Password          System: BUS4IPRD

BUS4i user profile. . . . . : BUS4i
Password last changed . . . . . : 24.10.24

Type choices, press Enter.

BUS4i admin password. . . . .
New BUS4i password (blank = auto-gen.) . . . .
New password (to verify if <> blank) . . . .

F3=Exit          F12=Cancel
```



4. Start the data transfer from primary system

You must make the appropriate selection depending on what you want to transfer. With the same IBM OS release all data can be transferred as follows.

a. System Link starten

- Select 1. Work with system links

```
HVS08CB                               Work with system links                               System: BUS4IPRD

Please enter selection, then press ENTER.
1=Start 2=Start with sending process 3=Start with send and apply process
4=End 5=Cancel 6= Controller status 7=Execute command 8=Work with job
9=Display system link protocol  E=Display command status
A=Work with sending processes  B=Service function

Sel- System      S C A
ect. link  xSB G P S Description                               Status
-   P2S      N  W  0  0 System link primary->secondary           INACTIVE

F3=Exit  F5=Refresh  F12=Back  F19=Work with active Jobs
```

- Select 2=Start with sending process



b. Complete data transfer same IBM OS release

- Select 5. System Copy-Functions

```

SR530CB                               System Copy-Funktion                               System: BUS4IPRD

Please enter selection, then press ENTER.

1=Sync. System 2=Sync. User 3=Sync. Konf 4=Sync. Sysval
5=Sync. Lib 6=Sync. SplF 7=Sync. Obj 8=Sync. IFS
P=Transmission log display

Sel- System
ect. Link  xSB  Description                               Status
1  P2S    N   System link primary->secondary           INACTIVE

F3=Exit  F5=Refresh  F12=Back  F19=Work with active Jobs
    
```

- Select 1=Sync. System

```

                               Synchronize system (SYNCSYS)

Type choices, press Enter.

System link . . . . . > P2S                               Name, generic*, *DFTSL, *ALL
eMail-Rcv-List for end message          *SYSLNK                               Character value, *SYSLNK...
Set BUS4i synchronization point         *YES                                   *YES, *NO
User profiles . . . . .                *YES                                   *YES, *NO
Omit user profiles . . . . . > BUS4I*                       Name, generic*
      + for more values > TSPUSER
Configuration . . . . .                *YES                                   *YES, *NO
Omit configuration objects . . . > ETH*                       Name, generic*, *NONE, *ALL
      > TAP*
      + for more values > OPT*
System values . . . . .                *YES                                   *YES, *NO
Omit system values . . . . .           _____                               Name, generic*
      + for more values
Libraries . . . . .                    *ALLUSR                               Name, generic*, *ALLUSR...

More...

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
    
```



```

Synchronize system (SYNCSYS)

Type choices, press Enter.

Omit libraries . . . . . > QMGTC*      Name, generic*
                        > QPFR*
                        > QSYS2*
                        > QRCL*
                        > SRCSYS*
                        > TGTSYS*
                        > P2S*
                        + for more values > S2P*
Spool files . . . . . *YES          *YES, *NO
Omit OUTQs:
  OUTQ . . . . . > QEZ*          Name, generic*
  Bibliothek . . . . . > QUSRSYS  Name, *ALL

  OUTQ . . . . . > BUS4I        Name, generic*
  Bibliothek . . . . . > QGPL        Name, *ALL
                        + for more values -
                                                    More...

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
  
```

```

Synchronize system (SYNCSYS)

Type choices, press Enter.

DLO objects . . . . . *YES          *YES, *NO
Omit folder . . . . . > Q*
                        + for more values
IFS objects . . . . . *YES          *YES, *NO
                                                    More...

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
  
```



c. Complete data transfer with different IBM OS

In this scenario, the marked exclusions must be added additionally so that nothing is damaged in the license programs.

- Select 5. System Copy-Functions

```

Synchronize system (SYNCSYS)

Type choices, press Enter.

System link . . . . . > P2S          Name, generic*, *DFTSL, *ALL
eMail-Rcv-List for end message  *SYSLNK      Character value, *SYSLNK...
Set BUS4i synchronization point  *YES         *YES, *NO
User profiles . . . . .        *YES         *YES, *NO
Omit user profiles . . . . . > BUS4I*    Name, generic*
      + for more values > TSPUSER
Configuration . . . . .        *YES         *YES, *NO
Omit configuration objects . . . > ETH*       Name, generic*, *NONE, *ALL
      + for more values > TAP*
System values . . . . .        *YES         *YES, *NO
Omit system values . . . . .    _____  Name, generic*
      + for more values
Libraries . . . . .            *ALLUSR      Name, generic*, *ALLUSR...

More...
F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
    
```

```

Synchronize system (SYNCSYS)

Type choices, press Enter.

Omit libraries . . . . . > QMGTC*    Name, generic*
      + for more values > QPFR*
      + for more values > QSYS2*
      + for more values > QRCL*
      + for more values > SRCSYS*
      + for more values > TGTSYS*
      + for more values > P2S*
      + for more values > QGPL
      + for more values > QUSRSYS
Spool files . . . . .        *YES         *YES, *NO

More...
F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
    
```



```
                Synchronize system (SYNCSYS)

Type choices, press Enter.

Omit IFS objects . . . . . > '/QDLS'
_____
                        > '/QFileSvr.400'
_____
                        > '/QIBM'
_____
                        > '/QOpenSys/QIBM'
_____
                        > '/QSR'
_____
                        > '/QSYS.LIB'
_____
                        > '/QOPT'
_____
                        + for more values > '/QTCPTMM'
_____

                                                    Bottom
F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
```



d. Check data transmission

Select P=Transmission log display

```
SR540CB                      Display command status                      System: BUS4IPRO
Currently sent:                833 MB                                  P2S
5=Display

S Date      Time      Command
I Sys-Link
- 12.07.23  15:26:19  *SAVRSTSL SYSLNK (P2S) SAV (*LOC) SAVLIB (BUP81TST) PVTA
- 12.07.23  15:26:19  CLRLIB LIB (BUSCFG)
- 12.07.23  15:26:19  *SAVRSTSL SYSLNK (P2S) SAV (*LOC) SAVLIB (BUSCFG) PVTAUT
- 12.07.23  15:26:19  CLRLIB LIB (DCWD)
- 12.07.23  15:26:19  *SAVRSTSL SYSLNK (P2S) SAV (*LOC) SAVLIB (DCWD) PVTAUT (*
- 12.07.23  15:26:19  CLRLIB LIB (HRTEST)
- 12.07.23  15:26:19  *SAVRSTSL SYSLNK (P2S) SAV (*LOC) SAVLIB (HRTEST) PVTAUT
- 12.07.23  15:26:19  CLRLIB LIB (JOMATST)
- 12.07.23  15:26:19  *SAVRSTSL SYSLNK (P2S) SAV (*LOC) SAVLIB (JOMATST) PVTAU
- 12.07.23  15:26:19  CLRLIB LIB (MLBSAVE)
- 12.07.23  15:26:19  *SAVRSTSL SYSLNK (P2S) SAV (*LOC) SAVLIB (MLBSAVE) PVTAU
- 12.07.23  15:26:19  CLRLIB LIB (MLBSAVE610)
More...

F3=Exit  F5=Refresh  F11=Display all  F12=Return
```

Above you see the transmissions are still processing and the MB (MegaByte) sent so far.

Once all data has been transferred, an email will be sent to the email distribution list to complete the transfer.