



INTERFACING GLOBALCOMSERVER FTP – NFS - SNA SERVEUR RS6000/ES9000 - NETSOFT - PATHWORKS NOVELL SAA – NETWORK PC

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Interfacing GlobalComServer

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PRESENTATION

The goal of this interface is to send GCS messages from any application by using files created for a **Laser Jet printer** (PCL et ASCII).

This interface uses a server program in order to make your application talk with the fax box. This dialog is activated by every message sending demand. The sending demand occurs when a source file and an information file are present in a shared directory.

GlobalComServer manages in full the sending

- Application transfer ⇒ FAX box
- message sending
- LASER format conversion ⇒ fax format
- redials
- FAX box transfer ⇒ application (communication result).

INFORMATION FILE FORMAT (SENDING)

This file must contain the following fields :
(follow the order and the spelling)

the file must end with /D= and /P=.

/V=origin
 /F=data filename n°1
 /F=data filename n°2
 /F=data filename n°3
 /F=data filename n°4
 /F=data filename n°5
 /u=sender's address
 /T=sending time (hhmm)
 /DATE=sending date (dd/mm/yyyy)
 /S=sender's name
 /L=coverpage/overlay name without the extension(NOLOGO=no coverpage/overlay)
 /SUJET1=FORM if there is an overlay
 /priorite=message priority (0=high, 1=normal, 2=low)
 /Prenom=sender's first name
 /Initiales=sender's initials
 /Nom=sender's last name
 /NomComplet=sender's full name
 /Pseudonyme=sender's alias (Nickname)
 /Adresse=sender's address
 /Ville=sender's town
 /Province=sender's state
 /CodePostal=sender's zip code
 /Pays=sender's country
 /Titre=sender's title
 /Societe=sender's company
 /Service=sender's department
 /Bureau=sender's office
 /Assistant=sender's assistant
 /TelephoneProfessionnel=sender's professional phone number
 /TelephoneProfessionnel2=sender's second professional phone number
 /Telecopie=sender's fax number
 /AssistantTelephone=sender's assistant phone number
 /Domicile=sender's home phone
 /Domicile2=sender's second home phone
 /Portable=sender's mobile phone number
 /MessagerieTelephonique=sender's vocal box
 /sujet2=non modified field sent back in the acknowledgement
 /datacom=line assigned to the message
 /listdatacom=line range assigned to the message (X/Y)
 /company=recipient's company
 /SUJET=message object
 /NOSTATUS=0 always generates an acknowledgement
 =1 no acknowledgement if the message is status OK
 =2 no acknowledgement if the message is status ER
 =3 never generates an acknowledgement
 /D=recipient's name
 /P=recipient's GCS address (014255654, or SMTP:name@domain.com or SMS:06784512321
 or T452333)

The file can contain several recipients : in this case, all the lines /D= and /P= must end the file.

Accepted formats

PCL
POSTSCRIPT (1 & 2)
TIFF-G3
ASCII
And all Windows format(.doc, .pdf, .xls, .htm)

Name of the information files HAAXXXX

H header
AA sender's GCS ID
XXXX number (0 to 9999). Message ID

Name of the data files FAAXXXX

F ASCII file
AA sender's GCS ID
XXXX number (0 to 9999). Message ID

Name of the data files PAAXXXX

P PCL file
AA sender's GCS ID
XXXX number (0 to 9999). Message ID

Name of the data files TAAXXXX

T TIFF file
AA sender's GCS ID
XXXX number (0 to 9999). Message ID

Name of the data files SAAXXXX

S POSTSCRIPT file
AA sender's GCS ID
XXXX number (0 to 9999). Message ID

Other format

In this case, the files must be processed by the convertor.

INFORMATION FILE FORMAT (RECEPTION)

When receiving a fax, **GlobalComServer** generates 2 files.

R***.tif** (TIFF-G3 file)
R***.rec** (reception information file)

The information file will be formatted as follows:

/WBP=number of pages
/QUALITY=STANDARD or FINE
/ID=CSID
/ISDN=Caller's MSN subnumber
/TIME=time and date (ansi)
/STATUS=OK or ER
/ERROR=error type

SUITPC PROGRAM

The SUITPC program allows to copy in ASCII format the sent messages database, for each user. Those ASCII files may be copied in a shared resource or on remote PC. The goal is to use the SUITPCXX files (XX user's GCS ID) and to exploit messages follow-up.

File created by SUITPC

It is formatted as follows:

```
/F=windows  
/D=recipient's name  
/I= do not use  
/J= do not use  
/K=reference  
/ERROR=in error or message OK  
/STATUS=ER19970619101458 or =OK19970619101458  
/SUJET=message object  
/NBPAGES=1  
/LOGO=coverpage/overlay name  
/DUREE=38  
/EMETTEUR=sender's name  
/P=recipient's GCS address
```

the recording beginning by /F indicates the the message follow-up starting point
Do not use the recording /I, the GCS address is in the recording /P
Dates are in YYYYMMDD format and time in HHMMSS format.
Length is in seconds.

Launching SUITPC

You will find the SUITPC.EXE program in **..\Trafic\system32**

SUITPC directory_name_where_you_want_to_copy_the_SUITPCXX_files

Example for an automatic update of the SUITPC file (.bat)

```
:start  
suitpc.exe c:\trafic\as400  
sleep 360  
goto start
```

In this configuration, the SUITPCXX files will be updated in **..\Trafic\as400**, then after 360 seconds SUITPC.EXE program will be run again.

SEND.CSV AND RECEIVE.CSV FILES

Another possibility to manage messages follow-up

An application can read those 2 files created by **GlobalComServer** to have a follow-up. They are used by **GCS Archive Server** and are located in **..\TrafficArc**. Each entry (in those files) is made of fields beginning and ending with ". Each entry corresponds to a fax characteristic. The fields are separated by a semi column (;).

1) SEND.CSV fields

- Data file name
- Number of pages sent
- Sender's name
- GCS address
- Recipient's name
- Recipient's company name
- GCS message object
- GCS message object #1
- GCS message object #2
- Available field
- Origin (GCS Windows client, Exchange, Notes, Spool...)
- Coverpage/overlay name
- Time and date (yyyymmddhhmss)
- Length in seconds
- Status (OK or ER)
- Error type (else "Fax Ok")

2) RECEIVE.CSV fields

- Data file name
- Number of pages
- Fax quality (Fine for example)
- Caller's CSID
- MSN subnumber
- Time and date (yyyymmddhhmss)
- Status (OK or ER)
- Error type (else "Fax Ok")
- recipient's ID list

Note:

GlobalComServer creates those files (**send.csv** and **receive.csv**) if the section **Options** of **..\Traffic\etc\topsrv32.ini** contains

```
[OPTIONS]
Archive=1
```

Note:

SAP uses the same files ("**saps.csv**" and "**sapr.csv**"), only the "**sapr.csv**" file changes because it does not contain the last field of "**send.csv**".

MESSAGES DATABASES

Messages are stored in 2 files located in `..\Traffic\dep`:

fax_em.mdb

fax_rec.mdb

Those 2 files have the same structure:

- ID	: message ID	(long integer)
- file1	: main file	(255 characters)
- file2	: attached file	(text 255 characters)
- file3	: attached file	(text 255 characters)
- file4	: attached file	(text 255 characters)
- file5	: attached file	(text 255 characters)
- nb_file	: total files sent	(long integer)
- phone	: recipient's GCS address	(text 81 characters)
- nom_destinataire	: recipient's name	(text 81 characters)
- heure_dif	: number of seconds since 1970 (Microsoft time() function) corresponding to the sending date	(long integer)
- file_sujet	: path + file name info gateways\system32\mail\info\infoxxxx written by mailsrv	(text 255 characters)
- file_ref1	: sender's full name	(text 255 characters)
- sender	: sender's last name	(text 81 characters)
- logo	: coverpage/overlay name	(text 255 characters)
- version	: product version (sender)	(text 21 characters)
- user_name	: user name (recipient)	(text 81 characters)
- status	: error code	(long integer)
- transfer_status	: EFFACED=1, OK=2, ER=3, AD=4, EM=5 TR=7	(long integer)
- priority	: number of retries	(text 1 character)
- nom_fichier_h	: information file name	(text 255 characters)
- nom_fichier_conv	: converted TIF file name without the extension	(text 255 characters)
- nom_utilisateur	: outgoing routing index name	(text 15 characters)
- objet	: GCS message object	(text 255 characters)
- objet1	: received field when sent and used for the acknowledgement	(text 255 characters)
- objet2	: field equal to FORM for the overlays	(text 255 characters)
- compagny	: recipient's company	(text 255 characters)
- nb_pages_transmit	: number of pages sent	(long integer)
- port	: lines used	(long integer)
- duration	: sending time length	(long integer)
- Uniqueld	: 3=no acknowledgement 2=no acknowledgement for fax in error 1=no acknowledgement for fax OK	(long integer)
- AttribDatacom	: line assigned to the message	(long integer)
- phoneNumber	: GCS user's phone number	(text 255 characters)
- faxnumber	: incoming routing ID	(text 255 characters)
- frontPageFile		(text 255 characters)
- printerDriver	: sender's assigned printer driver	(text 50 characters)
- printerDevice	: sender's assigned printing device	(text 50 characters)
- printerPort	: sender's assigned printer portémetteur	(text 50 characters)

- NotUsed1	: miscellaneous	(long integer)
- NotUsed2	: bits for refresh and multi-servers	(long integer)
- NotUsed3	: miscellaneous	(long integer)
- Date_Time	: time and date for last sending	(text 255 characters)
- Priority_level	: sending priority	(long integer)
	0=HIGH	
	1=NORMAL	
	2=LOW	
- Ex_Prenom	: sender's first name	(text 99 characters)
- Ex_Initiales	: sender's initials	(text 5 characters)
- Ex_Nom	: sender's last name	(text 99 characters)
- Ex_NomCompleat	: full name (sender)	(text 99 characters)
- Ex_Pseudonyme	: alias/nickname (sender)	(text 59 characters)
- Ex_Adresse	: address (sender)	(text 99 characters)
- Ex_Ville	: sender's town	(text 59 characters)
- Ex_Province	: sender's state	(text 59 characters)
- Ex_CodePostal	: zip code (sender)	(text 14 characters)
- Ex_Pays	: sender's country	(text 59 characters)
- Ex_titre	: sender's title	(text 59 characters)
- Ex_Societe	: sender's company	(text 59 characters)
- Ex_Service	: sender's department	(text 59 characters)
- Ex_Bureau	: sender's office	(text 59 characters)
- Ex_Assistant	: sender's assistant	(text 99 characters)
- Ex_TelephoneProfessionnel	: phone 1 (sender)	(text 23 characters)
- Ex_TelephoneProfessionnel2	: phone 2 (sender)	(text 23 characters)
- Ex_Telecopie	: sender's fax number	(text 23 characters)
- Ex_AssistantTelephone	: assistant phone (sender)	(text 23 characters)
- Ex_Domicile	: home 1 (sender)	(text 59 characters)
- Ex_Domicile2	: home 2 (sender)	(text 59 characters)
- Ex_Portable	: mobile phone (sender)	(text 23 characters)
- Ex_MessagerieTelephonique	: vocal box (sender)	(text 23 characters)
- ListAttribDatacom	: line range assigned to the message	(text 12 characters)