

## Using the IOF Email Interface

In addition to providing email support for the IOF SEND commands, the IOF email interface also provides a simple but powerful interface for downloading z/OS data sets to an email address.

This is intended as an overview of the capabilities provided by the IOF email interface for z/OS. For detailed technical specifications, invoke the IOFMAIL command under ISPF and then press HELP on the interface panel.

### IOFMAIL and IOFXMIT Commands

There are several ways to invoke IOFMAIL under ISPF, depending upon how IOF was installed at your site.

You can always enter the IOFMAIL command from any IOF display when running under ISPF.

In most cases you should also be able to enter the IOFMAIL command on any ISPF panel.

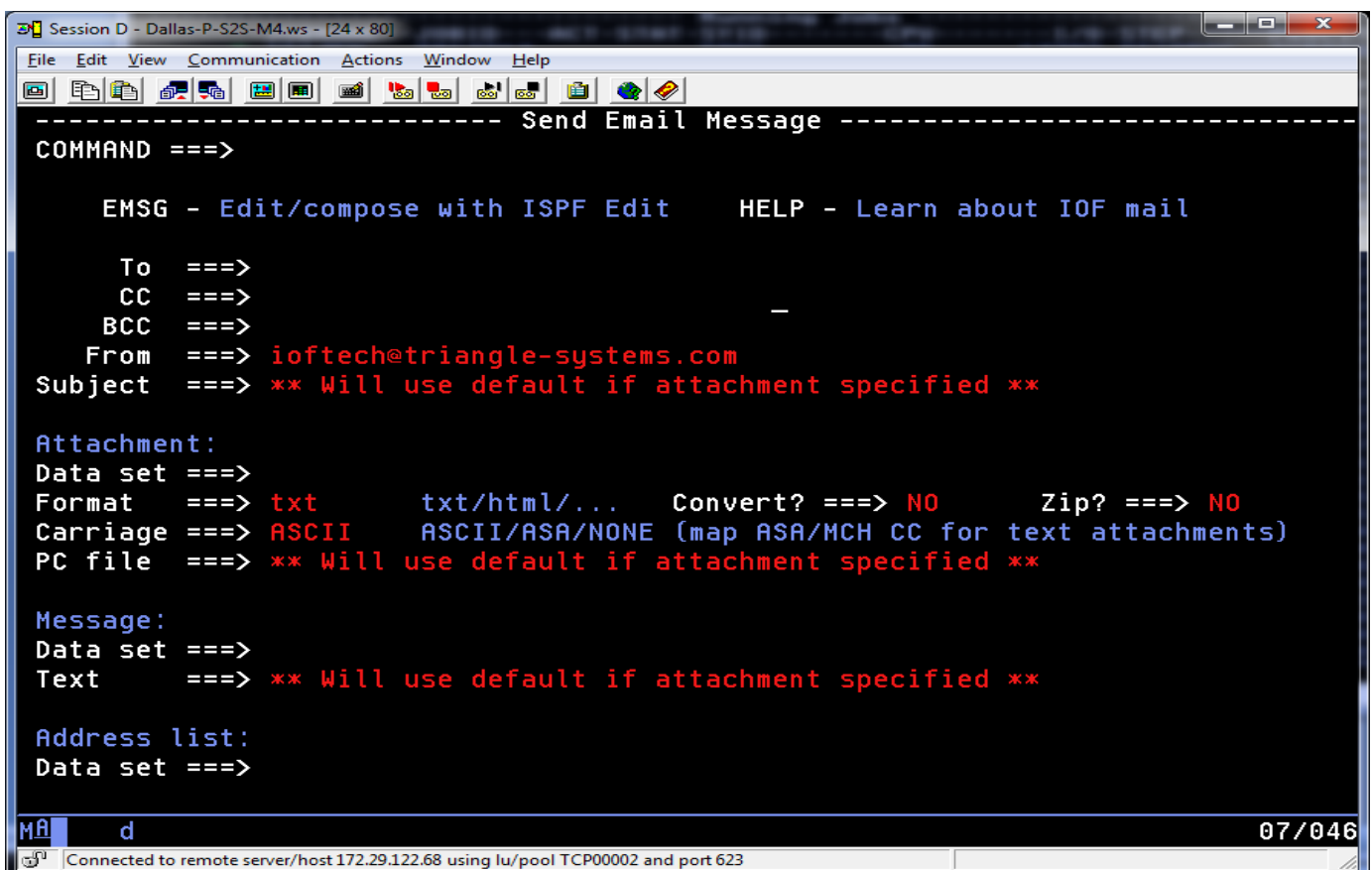
If that doesn't work for you, then from any ISPF panel you should be able to enter "TSO IOFMAIL".

To download a data set from the ISPF 3.4 data set display enter the IOFMAIL command beside the data set.

You can also enter the IOFXMIT command in an ISPF Edit session to download the data set currently being edited.

### The IOF Email Interface Panel

Invoking the IOFMAIL command under ISPF will display the IOF email interface panel.



The screenshot shows a terminal window titled "Session D - Dallas-P-S2S-M4.ws - [24 x 80]". The window contains the following text:

```
----- Send Email Message -----
COMMAND ==>

  MSG - Edit/compose with ISPF Edit      HELP - Learn about IOF mail

  To ==>
  CC ==>
  BCC ==>
  From ==> ioftech@triangle-systems.com
  Subject ==> ** Will use default if attachment specified **

Attachment:
Data set ==>
Format ==> txt      txt/html/...   Convert? ==> NO      Zip? ==> NO
Carriage ==> ASCII  ASCII/ASA/NONE (map ASA/MCH CC for text attachments)
PC file ==> ** Will use default if attachment specified **

Message:
Data set ==>
Text ==> ** Will use default if attachment specified **

Address list:
Data set ==>
```

At the bottom of the terminal, there is a status bar showing "MA d" on the left and "07/046" on the right. Below the status bar, a message reads: "Connected to remote server/host 172.29.122.68 using lu/pool TCP00002 and port 623".

The email addressing fields (To, ...) and the "Format" field will be saved in your profile.

The "Format" field will become the default last level for generated PC file names. If you specify YES in the "Convert" field the data set will be converted to the indicated format before being downloaded. See HELP information for supported conversion formats.

If you specify YES in the "Zip" field the data will be zipped before being downloaded (requires that your site support a zip product).

Enter HELP to see detailed specification for IOF email features.

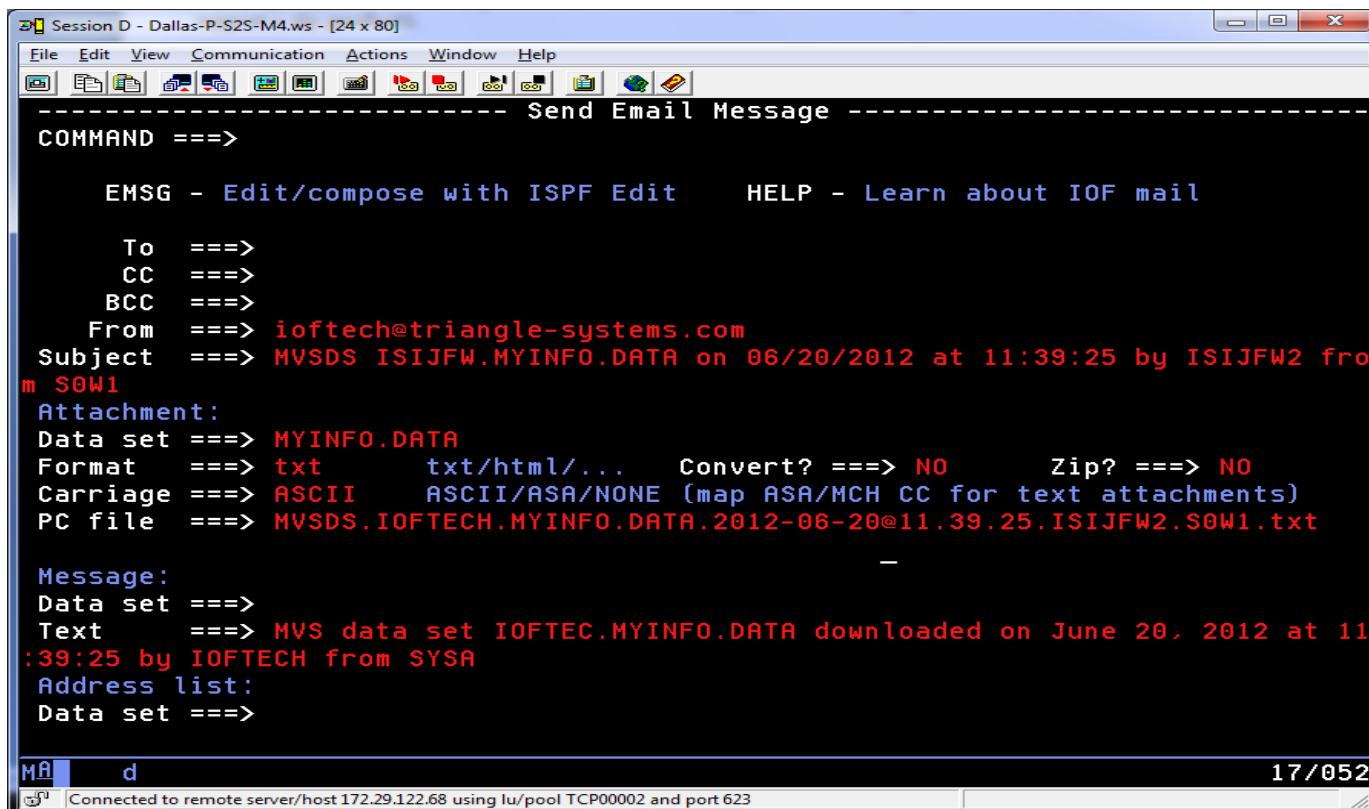
Enter the EMSG command to compose message text from scratch or edit the specified message data set.

If you are just downloading a data set, then the Subject, PC File, and Message Text values will be set to default values (based on the attachment data set name) if not specified. The sample screen below shows an example of those defaults.

If you specify:

IOFMAIL MYINFO.DATA

then the panel below will be displayed with default values for Subject, PC file name, and Message Text.



```
----- Send Email Message -----
COMMAND ==>

      EMSG - Edit/compose with ISPF Edit      HELP - Learn about IOF mail

      To   ==>
      CC   ==>
      BCC  ==>
      From ==> ioftech@triangle-systems.com
      Subject ==> MVSDS ISIJFW.MYINFO.DATA on 06/20/2012 at 11:39:25 by ISIJFW2 from SOW1
Attachment:
Data set ==> MYINFO.DATA
Format   ==> txt          txt/html/...   Convert? ==> NO          Zip? ==> NO
Carriage ==> ASCII       ASCII/ASA/NONE (map ASA/MCH CC for text attachments)
PC file  ==> MVSDS.IOFTECH.MYINFO.DATA.2012-06-20@11.39.25.ISIJFW2.SOW1.txt

Message:
Data set ==>
Text     ==> MVS data set IOFTEC.MYINFO.DATA downloaded on June 20, 2012 at 11:39:25 by IOFTECH from SYSA
Address list:
Data set ==>

MA d 17/052
Connected to remote server/host 172.29.122.68 using lu/pool TCP00002 and port 623
```

You can still choose to overwrite these fields, but in most cases you can just press ENTER to download the data set.

## Calling IOFMAIL from another Exec

IOFMAIL can be called from another exec to integrate email capability into other application systems. Comprehensive error handling features are provided that produce meaningful messages whether the exec is invoked under ISPF, under TSO READY, or in TSO batch.

Here are a few examples:

Call IOFMAIL from an exec to send a simple email:

```
call iofmail 'to(john.smith@bigcorp.com)' ,
             'from(mary.jones@bigcorp.com)' ,
             'subject("Simple subject")' ,
             'message("Simple message")'
```

Call IOFMAIL from an exec to send a single data set. The Rexx variable parmdsn is assumed to contain the name of the data set.

```
call iofmail 'to(john.smith@bigcorp.com)',
             'file('parmdsn')' ,
             'noprompt'
```

Note that the subject, message text, and PC file name will all be defaulted based on the attachment data set name.

Pass a data set name and let the prompt panel ask for the rest:

```
call iofmail 'file('parmdsn')'
```

Enter HELP on the IOFMAIL interface panel for complete technical details and a number of other examples.

## Using IOFMAIL in a Batch Job

Use the IOFMAIL cataloged procedure to send email from a batch job. You will notice that the keywords for the batch parms are the same as for calling the exec, but the values do not require enclosing parentheses or quotes.

An IOFMAIL batch step to send a simple email:

```
//MAIL EXEC IOFMAIL
//SYSIN DD *
TO john.smith@bigcorp.com
FROM mary.jones@bigcorp.com
SUBJECT Simple Subject
MESSAGE
  Here is the message text
      and more message text
          and still more message text
```

Note that the message text will be placed in the email exactly as it is entered here.

An IOFMAIL batch step to send the data set myuid.useful.data:

```
//MAIL EXEC IOFMAIL
//SYSIN DD *
TO john.smith@bigcorp.com
FROM mary.jones@bigcorp.com
FILE useful.data
```

Note that the subject, message text, and PC file name will all be defaulted based on the data set name.

An IOFMAIL batch step to send multiple data sets.

```
//MAIL EXEC IOFMAIL
//DD1 DD DISP=SHR,DSNAME=myuid.useful1.data
//DD2 DD DISP=SHR,DSNAME=myuid.useful2.data
//DD3 DD DISP=SHR,DSNAME=myuid.useful3.data
//SYSIN DD *
TO john.smith@bigcorp.com
FROM mary.jones@bigcorp.com
FILEDD DD1 DD2 DD3
```

Or, you can leave out the DD1, ... DD cards and specify:

```
FILE useful1.data useful2.data useful3.data
```

Note that the subject, message text, and PC file names will all be defaulted based on the data set names.

Enter HELP on the IOFMAIL interface panel for complete technical details and a number of other examples.

Here is a sample IOFMAIL batch procedure:

```
//IOFMAIL PROC DSND='your.iof.library.prefix'
//*
//* Send an email
//*
//* Enter HELP on IOFMAIL panel for complete details.
//*
//*
//IOFMAIL EXEC PGM=IKJEFT1B,PARM='IOFMAIL *'
//STEPLIB DD DISP=SHR,DSN=&DSNDS..LOAD
//SYSTSPRT DD SYSOUT=*
//SYSPROC DD DISP=SHR,DSN=&DSNDS..CLIST
//SYSHELP DD DISP=SHR,DSN=&DSNDS..HELP
//SYSTSIN DD DUMMY
```