

Calgary SAS User Group: Tips & Tricks



Automated Emails with Attachments

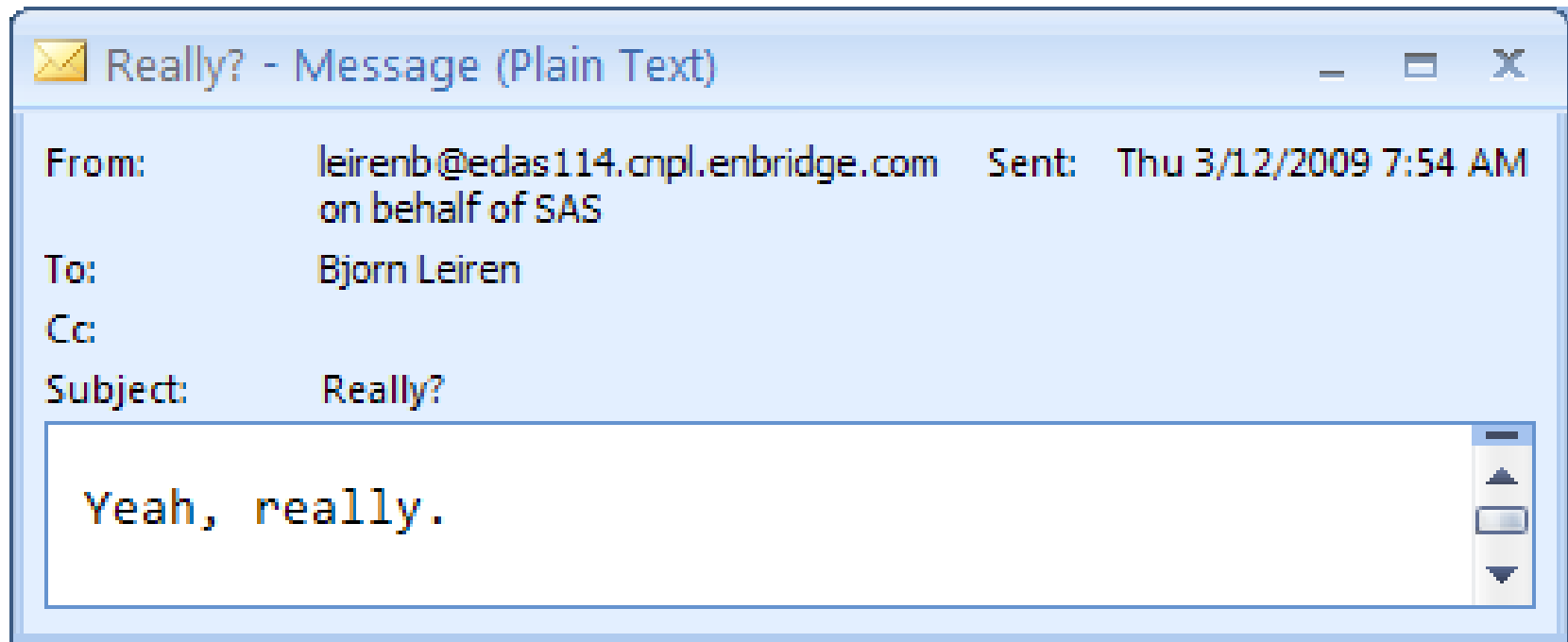
Base SAS or SAS Enterprise Guide

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Calgary SAS Office

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You can send an Email from SAS!



First things first,



Requirements –

SAS – This method has worked for me in:

Base SAS v8.2

Enterprise Guide 4.1 w/ SAS 9.1 on the server

Email – Access to SMTP server where SAS is running

(You probably have this and don't know it.)

Okay, what do I have to do?



```
filename outbox email "your.address@email.com" ;
```

```
data _null_ ;  
  File Outbox
```

```
  to=("some.guy@email.com")  
  Subject = "Hello World" ;
```

```
Put "My first SAS Email" ;
```

```
run ;
```

That's It?



- That's almost it.
- Base SAS users will require options statements added to their SAS Config File^{**}:
 - emailsys SMTP
 - emailhost your.email.server.com
 - emailport 25

**** SAS v8 - *c:\Program Files\SAS Institute\SAS\V8\sasv8.cfg***
SAS v9 - *c:\Program Files\SAS\SAS 9.1\in\en\sasv9.cfg*

SMTP Server?



- **How do I find the name of my SMTP server?**
 - emailhost your.email.server.com
- **“Right” way**
 - Call Network Administrator, Internal SAS Support, Internet Provider ...
- **“Wrong” way**
 - Start Menu -> Run -> cmd -> ping smtp

What about attachments?



- Easy.

```
data _null_ ;  
  File Outbox2  
  to=("some.guy@email.com")  
  Subject = "Hello World"  
  attach = "C:\My Folder\myfile.html" ;  
  Put "My first SAS Email" ;  
run ;
```

You can dump SAS results to pdf or HTML and email to recipients at the end of the task.

What else can I do?



Route results of a SAS Procedure directly to Email:

```
FILENAME outbox EMAIL
  SUBJECT = "SAS Report 1"
  FROM    = "me@email.com"
  TO      = "you@email.com"
  CT      = "text/html"    ;

ODS HTML Body = Outbox ;
  Proc Print Data= Work.Data noobs ;
  Run ;
Ods HTML close ;
```

Data Step Processing



- Commands to Override File & Filename Statement:

 - !EM_ATTACH!

 - !EM_CC!

 - !EM_FROM!

 - !EM_REPLYTO!

 - !EM_SUBJECT!

 - !EM_REPLYTO!

- Commands to Control Email Transmission:

 - !EM_SEND!

 - !EM_ABORT!

 - !EM_NEWMSG!

- Suggestion:

 - Create Emails to multiple recipients with addresses drawn from a SAS Dataset of Contact Info ...

SUGI 29 Paper 039-29

“Automated distribution of SAS Results”

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