

DEVICE DRIVERS – LAB EXERCISE 3

Submitted By:

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CED18I028

OBJECTIVE:

Write a C program or shell script to send a simple mail to any host without using any professional mailer like Gmail.

Linux Distribution Used:

Kali Linux (Running on Virtual machine)

Prerequisites:

We need to install and configure ssmtp in order to send mail.

sSMTP is a program which delivers email from a local computer to a configured mailhost (mailhub). It is not a mail server. One of its primary uses is for forwarding automated email (like system alerts) off your machine and to an external email address.

To install:

```
sudo apt-get install ssmtp mailutils
```

Update /etc/ssmtp/ssmtp.conf :

```
root=test@gmail.com
```

```
mailhub=smtp.gmail.com:587
```

```
hostname=smtp.gmail.com:587
```

```
UseSTARTTLS=YES
```

```
AuthUser=kiranthomas.temp@gmail.com
```

```
AuthPass=*****
```

```
FromLineOverride=YES
```

Update /etc/ssmtp/revaliases :

```
root:test@gmail.com:smtp.gmail.com:587
```

Shell script:

```
#!/bin/bash  
/usr/sbin/sendmail -i -t -v << TEXT  
From: kiranthomas.temp@gmail.com  
To: kiranthomas66@gmail.com  
Subject: DD Exp3
```

Hello,

This is a computer generated email, done as part of device drivers lab exercise.

Thank you.

TEXT

OUTPUT SCREENSHOTS:

```
kiran@LastNightmare00:~/Desktop$ cat mail.sh
#!/bin/bash
/usr/sbin/sendmail -i -t -v << TEXT
From: kiranthomas.temp@gmail.com
To: kiranthomas66@gmail.com
Subject: DD Exp3

Hello,

This is a computer generated email, done as part of device drivers lab exercise.

Thank you.
TEXT

kiran@LastNightmare00:~/Desktop$ bash mail.sh
[←] 220 smtp.gmail.com ESMTP i127sm2626700pfg.142 - gsmt
[→] EHLO smtp.gmail.com:587
[←] 250 SMTPUTF8
[→] STARTTLS
[←] 220 2.0.0 Ready to start TLS
[→] EHLO smtp.gmail.com:587
[←] 250 SMTPUTF8
[→] AUTH LOGIN
[←] 334 VXNlcm5hbWU6
[→] a2lyYW50aG9tYXNudGVtcEBnbWFpbC5jb20=
[←] 334 UGFzc3dvcmQ6
[←] 235 2.7.0 Accepted
[→] MAIL FROM:<kiranthomas.temp@gmail.com>
[←] 250 2.1.0 OK i127sm2626700pfg.142 - gsmt
[→] RCPT TO:<kiranthomas66@gmail.com>
[←] 250 2.1.5 OK i127sm2626700pfg.142 - gsmt
[→] DATA
[←] 354 Go ahead i127sm2626700pfg.142 - gsmt
[→] Received: by smtp.gmail.com:587 (sSMTP sendmail emulation); Mon, 31 Jan 2022 18:27:43 +0530
[→] Date: Mon, 31 Jan 2022 18:27:43 +0530
[→] From: kiranthomas.temp@gmail.com
[→] To: kiranthomas66@gmail.com
[→] Subject: DD Exp3
[→]
[→] Hello,
[→]
[→] This is a computer generated email, done as part of device drivers lab exercise.
[→]
[→] Thank you.
[→] .
[←] 250 2.0.0 OK 1643633865 i127sm2626700pfg.142 - gsmt
[→] QUIT
[←] 221 2.0.0 closing connection i127sm2626700pfg.142 - gsmt
kiran@LastNightmare00:~/Desktop$
```

