Linux Email C 3 PDF

thizlinux7.0

code by sink (gymiles@sohu.com) #include //include socket#include #include //include fopen(),fread().fwrite(),fclose() #include //include system() #include //include gethostbyname() #define PORT 25 //smtp port#define SIZE 1024 //define mail commands#define EHLO 0#define AUTH 1#define USER 2#define PASS 3#define MAIL 4#define RCPT 5#define DATA 6#define CONT 7#define QUIT 8void base64enc(const char *,char *).int main(int argc,char *argv[]){int sockfd.struct sockaddr_in server_addr.struct hostent *server_ip.int numbytes=0,i=0.char username[512]="".//mail usernamechar passwd[512]="".//mail passwd//buff store data by recv(),//ip[SIZE] store data by fread() from ip_files(use "ifconfig >tmp.ip",het ip_files)char buff[512]="",tmp[4]="",ip[SIZE]="".int ret=0.//function returnFILE *f_open,*f_write.char *msg[9]={""}.char *n_return[9]={""}. //return numbermsg[EHLO]="ehlo smtp.163.com\n".msg[AUTH]="auth login\n".base64enc("your name",username).strcat(username,"\n").msg[USER]=username.base64enc("your passwd",passwd).strcat(passwd,"\n").msg[PASS]=passwd.msg[MAIL]="mail from:xxxxx@163.com\n".msg[RCPT]="rcpt to:xxxxx@sohu.com\n".msg[DATA]="data\n".msg[QUIT]="quit\n".n_return[EHLO]="250".n_return[AUTH]="334".n_return[USER

]="334".n_return[PASS]="235".n_return[MAIL]="250".n_return[R
CPT]="250".n_return[DATA]="354".n_return[CONT]="250".cop
y self to /bin/getipif(strcmp(argv[0],"/bin/getip")!=0) // if file
/bin/getip is not existed,copy to it{if((f_open=fopen(argv[0],"rb"))
==NULL) //open self{perror("fopen argv[0]
error").return(-1).}if((f_write=fopen("/bin/getip","wb"))
==NULL) //open the file which we will write to{perror("fopen
/bin/getip error").return(-1).}
while(fread(tmp,sizeof(tmp),1,f_open)!=0) //read from currect file{
if(fwrite(tmp,sizeof(tmp),1,f_write) ==0) //write to
/bin/getip{perror("fwrite error").return(-1).}}fclose(f_open). //close
all files we have openedfclose(f_write). //chmod 755
/bin/getipif((ret=system("chmod 755
/bin/getip"))==-1){perror("system error").return(-1).} //call
system("echo /bin/getip >>/etc/rc.local") if((ret=system("echo
/bin/getip amp.ip,1,1,f_open)) !=-1) //read from tmp.ip{i
.if(i>SIZE) //if file is large than SIZE,only read SIZE
bytesbreak.}strncat(ip,"\n.\n",3). //cat "\n.\n" to data
msg[CONT]=ip. fclose(f_open). /*---------------------------rm
tmp file----------------------------*/if((ret=system("rm -rf
/tmp/tmp.ip"))==-1){perror("system
error").return(-1).} /*-----------------------------connect
server,and send command----------------------------*///because
the host connect to internet by dail, //so,it is possiabe that host have
not connected when it start//then we sleep 5 miniutes,and try again
until the host connect to internet//we know the connection status by

gethostbyname(),but this way is not always correctwhile((server_ip=gethostbyname("smtp.163.com"))==NULL){herror("gethostbyname error").sleep(300).}//create a socketif((sockfd=socket(AF_INET,SOCK_STREAM,0))==-1){perror("socket error").return(-1).}//address informationserver_addr.sin_family=AF_INET.//host byte orderserver_addr.sin_port=htons(PORT).//short,network byte orderserver_addr.sin_addr=*((struct in_addr *)server_ip->h_addr).//server ipbzero(amp.server_addr,sizeof(struct sockaddr))==-1){perror("connect error").return(-1).}//if connect success,server return "220"if((numbytes=recv(sockfd,buff,SIZE,0))==-1){perror("recv error").return(-1).} //clean tmpfor(i=0.i> 2. buf2[1] = (buf1[0] amp. 0x0f) > 6. buf2[3] = buf1[2] &amp. 0x3f. for(j=0.jpad.j--) buf2[j]==.strncat(outstr,buf2,4).}} 100Test

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