

```
#!/bin/bash
echo -e "*****Welcome*****"

getcron()
{
    opt_min=0
    opt_hour=0
    opt_day=1
    opt_mon=1

    date
    echo -e "set a restore time, 5 minutes from the current time is normally a good idea\n"
    echo -e "Enter minute(0-59)\n"
    read opt_min
    opt_fws=$((opt_min+1))
    echo -e "Enter hour (0-23)\n"
    read opt_hour
    echo -e "Enter day (1-31)\n"
    read opt_day
    echo -e "Enter month (1-12)\n"
    read opt_mon

    echo "$opt_min $opt_hour $opt_day $opt_mon * /bin/cp -f /root/firewall/firewallbackup.txt /root/
    firewall/firewall.txt" > /root/firewall/cronjob_restorefile
    echo "$opt_fws $opt_hour $opt_day $opt_mon * /root/firewall/firewall.txt" > /root/firewall/
    cronjob_reloadfw

    /usr/bin/crontab /root/firewall/cronjob_restorefile
    /usr/bin/crontab /root/firewall/cronjob_reloadfw

    /usr/bin/crontab -l

}

main()
{
    ROOT_UID=0
    if [ $UID == $ROOT_UID ];
    then
        clear
        opt_main=1
        while [ $opt_main != 6 ]
        do
            echo -e "*****\n"

            echo -e "\t*****Main Menu*****\n
            1. Check Iptables Version\n
            2. Apply Firewall\n
            3. Edit Firewall\n
            4. View Crontab\n
            5. Clear crontab\n
            6. Exit"
            read opt_main
            case $opt_main in
                1) echo -e "*****"
                    /sbin/iptables --version
                    echo -e "*****" ;;
                2) echo -e "*****"
                    getcron
                    echo -e "*****" ;;
                3) echo -e "firewall.txt backed up to /root/firewall/firewallbackup.txt\n"
                    /bin/cp -f /root/firewall/firewall.txt /root/firewall/firewallbackup.txt
                    vim /root/firewall/firewall.txt ;;
                4) echo -e "*****"
                    /usr/bin/crontab -l
                    echo -e "*****" ;;
                5) echo -e "*****"
                    /usr/bin/crontab -r
                    echo -e "*****" ;;
                6) exit 0 ;;
                *) echo -e "Wrong option Selected!!!"
            esac
        done
    fi
}
```

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done
else
  echo -e "You Must be the ROOT to Perform this Task!!!"
fi
}
main
exit 0
```