setup-user.sh

```bash
#!/bin/bash

now=`date +%d%b%Y-%H%M`

exp()
{
  "$1" <(cat <<-EOF
  spawn passwd $USER
  expect "Enter new UNIX password:"
  send -- "$passw\r"
  expect "Retype new UNIX password:"
  send -- "$passw\r"
  expect eof
  EOF
  )
  echo "password for USER $USER updated successfully - adding to
sudoers file now"
}

setup_pass()
{

if [ $1 == "sles" ];then

   if [ ! -f /usr/bin/expect ] && [ ! -f /bin/expect ];then
#        zypper -y update
        zypper install -y expect
        exp "/usr/bin/expect"
   else
        exp "/usr/bin/expect"
   fi

elif [ $1 == "ubuntu" ];then

   if [ ! -f /usr/bin/expect ] && [ ! -f /bin/expect ];then
        apt-get update
        apt install -y expect
        exp "/usr/bin/expect"
   else
        exp "/usr/bin/expect"
   fi

elif [ $1 == "amzn" ];then

   echo $1
   if [ ! -f /usr/bin/expect ] && [ ! -f /bin/expect ];then
        rpm -Uvh http://epel.mirror.net.in/epel/6/x86_64/epel-release-6-
```

```
8.noarch.rpm
        yum install -y expect
        exp "/usr/bin/expect"
    else
        exp "/usr/bin/expect"
    fi

elif [ $1 == "centos" ];then

    echo $1
    if [ ! -f /usr/bin/expect ] && [ ! -f /bin/expect ];then
        rpm -Uvh http://epel.mirror.net.in/epel/6/x86_64/epel-release-6-
8.noarch.rpm
        yum install -y expect
        exp "/bin/expect"
    else
        exp "/bin/expect"
    fi
else
    echo "could not find case $1"
fi

}

update_conf()
{
    sudofile="/etc/sudoers"
    sshdfile="/etc/ssh/sshd_config"
    mkdir -p /home/backup
    if [ -f $sudofile ];then
        cp -p $sudofile /home/backup/sudoers-$now
        sa=`grep $USER $sudofile | wc -l`
        if [ $sa -gt 0 ];then
            echo "$USER user already present in $sudofile - no changes
required"
            grep $USER $sudofile
        else
#           echo "$USER ALL=(ALL) ALL" >> $sudofile
            echo "$USER ALL=(ALL) NOPASSWD: ALL" >> $sudofile
            echo "updated the sudoers file successfully"
        fi
    else
        echo "could not find $sudofile"
    fi

    if [ -f $sshdfile ];then
        cp -p $sshdfile /home/backup/sshd_config-$now
        sed -i '/ClientAliveInterval.*0/d' $sshdfile
        sed -i '/PermitRootLogin.*yes/d' $sshdfile
        sed -i '/PasswordAuthentication.*no/d' $sshdfile
```

```
        sed -i '/PasswordAuthentication.*yes/d' $sshdfile
        sed -i '/PermitRootLogin.*prohibit-password/d' $sshdfile
        echo "PermitRootLogin yes" >> $sshdfile
        echo "PasswordAuthentication yes" >> $sshdfile
        echo "ClientAliveInterval 240" >> $sshdfile
        echo "updated $sshdfile Successfully -- restarting sshd service"
        service sshd restart
    else
        echo "could not find $sshdfile"
    fi
}

############### MAIN ###################

USER="devops"
GROUP="devops"
passw="today@1234"

if [ -f /etc/os-release ];then
    osname=`grep ID /etc/os-release | egrep -v 'VERSION|LIKE|VARIANT' |
cut -d'=' -f2 | sed -e 's/"//' -e 's/"//'`
    echo $osname
else
    echo "can not locate /etc/os-release - unable find the osname"
    exit 8
fi

case "$osname" in
  sles|amzn|ubuntu|centos)
      userdel -r $USER
      groupdel $GROUP
      sleep 3
      groupadd $GROUP
      useradd $USER -m -d /home/$USER -s /bin/bash -g $GROUP
      setup_pass $osname
      update_conf
    ;;
  *)
    echo "could not determine the correct osname -- found $osname"
    ;;
esac
exit 0
```