1. Declare a global variable for package in unixinstall.sh:

#global variable for all packages

export dbName

export curlName

export xmlName

export pcreName

export makedependName

2. Implement a getXXXName function and put the name of package into the global variable

getPcreName()

{

case "$osType" in

"$osUbuntu")

result=`echo $password | sudo -S apt-cache search ^libpcre[0-9]\*-dev`

pcreName=`echo $result | awk '{ print $1; }'`

export pcreName ;;

"$osDebian")

result=`echo $password | sudo -S apt-cache search ^libpcre[0-9]\*-dev`

pcreName=`echo $result | awk '{ print $1; }'`

export pcreName ;;

"$osFedora")

pcreName="pcre-devel"

export pcreName ;;

"$osSuse")

pcreName="pcre-devel"

export pcreName ;;

"$osMandriva")

pcreName="libpcre-devel"

export pcreName ;;

esac

}

3. Then implement the corresponding function to install the package. Call this function in the script where you need it.

installLibpcredev()

{

getPcreName

case "$osType" in

"$osUbuntu")

if dpkg -l | grep -q $pcreName ; then

echo "\n$pcreName - package already installed."

else

echo $password | sudo -S apt-get install -y $pcreName

fi ;;

"$osDebian")

if dpkg -l | grep -q $pcreName ; then

echo "\n$pcreName - package already installed."

else

echo $password | sudo -S apt-get install -y $pcreName

fi ;;

"$osFedora")

if rpm -q $pcreName ; then

echo ""

echo "$pcreName - package already installed."

else

echo $password | sudo -S yum install -y $pcreName

fi ;;

"$osSuse")

if rpm -q $pcreName | grep "is not installed" ; then

echo $password | sudo -S zypper install -y $pcreName

else

echo "$pcreName - package already installed."

fi ;;

"$osMandriva")

echo $password | sudo -S urpmi --auto $pcreName ;;

esac

}

For instance, the above is called by the installReg function, which in turn is called by installFeature():

installReg()

{

installLibpcredev

}

#function to install features with arg $1, which is the name of feature

installFeature()

{

featureName=$1

if [ "$featureName"x = "db"x ] ; then

installDB

fi

if [ "$featureName"x = "http"x ] ; then

installHTTP

fi

if [ "$featureName"x = "xml"x ] ; then

installXML

fi

if [ "$featureName"x = "reg"x ] ; then

installReg

fi

}