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#!/bin/ksh

CWTERM_PATH=/space/opt/TDIcnwrks/bin/cwterm

echo ""
echo "This script will contact a Solaris 10 global zone and retrieve a list"
echo "of of zones running under the global zone. Using this list an XML file"
echo "will be built containing ConsoleWorks console definitions for the"
echo "zones."
echo "Finally, if the ConsoleWorks command line client cwterm is found the"
echo "XML file will be imported into ConsoleWorks creating the console"
echo "definitions to talk to the zones' consoles."
echo ""
echo "Are you sure you want to continue?  [Y]: \c"
read yesno
if [ "$yesno" = "" ]
then
    yesno="Y"
fi
if [ "$yesno" != "Y" -a "$yesno" != "y" -a "$yesno" != "YES" -a "$yesno" !=
"yes" -a "$yesno" != "Yes" ]
then
    echo "$0 exiting."
    exit 0
fi

echo "Enter domain name/ip address of global zone: \c"
read global_zone
echo "Enter global zone root password: \c"
stty -echo
read passwd
stty echo
echo

export global_zone
export passwd
echo $global_zone > ttt.out
echo $passwd >> ttt.out
expect -c '
set timeout 5
spawn ssh root@$env(global_zone) "zoneadm list -cv"
expect (yes/no)? {send "yes\n"}
expect *assword: {send "$env(passwd)\n"}
expect *assword: {exit}
' | sed 's/[ \t]*$//' | sed 's/
$//' >> ttt.out

awk '
BEGIN {headerfound=0
    xmlheaderprinted=0}
(NR == 1) {
    globalzone=$0
}
(NR == 2) {
    zonerootpasswd=$0
}
(NR > 2 && NF == 6) {
    if (headerfound == 1) {
        if (xmlheaderprinted == 0) {
            print "<?xml version=\"1.0\" encoding=\"UTF-8\" ?>"
            print "<cwml version=\"2.1\">"
            xmlheaderprinted = 1
        }
        if ($2 != "global") {
            printf "<console name=\"%s\">\n", $2
            printf "<name>%s</name>\n", $2
            printf "<type>SSHPWD</type>\n"
            printf "<port>%s</port>\n", globalzone
            printf "<socket>22</socket>\n"
            printf "<username>root</username>\n"
            printf "<password>%s</password>\n", zonerootpasswd

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        printf "<sshcommand>zlogin -C %s</sshcommand>\n", $2
        printf "</console>\n"
    }
}
if ($1 == "ID" && $2 == "NAME" && $3 == "STATUS" && $4 == "PATH" && $5 ==
"BRAND" && $6 == "IP") {
    headerfound = 1
}
}
END {if (xmlheaderprinted == 1) { print "</cwml>"} }
' < ttt.out > zone_consoles.xml

rm ttt.out

CWTERM_PATH=/space/opt/TDIconwrks/bin/cwterm
if [ -f "$CWTERM_PATH" ]
then
    cwterm_command="$CWTERM_PATH"
else
    cwterm_command=$(echo $(whereis cwterm) | cut -f2 -d:)
    cwterm_command=$(echo $cwterm_command | cut -f1 -d' ')
fi

if [ -z "$cwterm_command" ]
then
    echo "Unable to find the ConsoleWorks command line client cwterm and
    automatically"
    echo "import the XML file containing console definitions for the zones on
    $global_zone."
    echo "To import these console definitions into ConsoleWorks choose one of
    the following"
    echo "three options:"
    echo ""
    echo "1) Either set your PATH environment variable to include the cwterm
    command"
    echo "    or edit this script and set the CWTERM_PATH variable to the full
    path"
    echo "    specification of the cwterm command. Then rerun this script to
    import"
    echo "    the XML file."
    echo ""
    echo "2) Run the cwterm XML import command by replacing PATH_TO_CWTERM in
    the line"
    echo "    below with the actual directory specification for the cwterm
    command:"
    echo "        PATH_TO_CWTERM/cwterm import xml -file=zone_consoles.xml -
    select=CONSOLES -correct=INVALID_CHARACTER -noreplace -commit"
    echo ""
    echo "3) Transfer the zone_consoles.xml file to the machine running a
    browser connected"
    echo "    to ConsoleWorks the click on Admin->Database Management->XML
    Import"
else
    echo "Enter domain name/ip address of the ConsoleWorks server: \c"
    read cw_server
    echo "Enter port of the ConsoleWorks server: [5176]\c"
    read cw_port
    if [ "$cw_port" = "" ]
    then
        cw_port="5176"
    fi
    echo "Enter username of a ConsoleWorks administrator: [CONSOLE_MANAGER]\c"
    read cw_user
    if [ "$cw_user" = "" ]
    then
        cw_user="CONSOLE_MANAGER"
    fi
    echo "Enter $cw_user's password: \c"
    stty -echo
    read cw_passwd

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stty echo
echo
echo
echo "Importing XML file"
export CONWRKS_USERNAME="$cw_user"
export CONWRKS_PASSWORD="$cw_passwd"
export CONWRKS_SERVER="$cw_server"
export CONWRKS_PORT="$cw_port"
"$cwterm_command" import xml -file=zone_consoles.xml -select=CONSOLES -
correct=INVALID_CHARACTER -noreplace -commit
unset CONWRKS_USERNAME
unset CONWRKS_PASSWORD
unset CONWRKS_SERVER
unset CONWRKS_PORT
echo "Finished importing XML file"
fi
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