Check connection to Dynatrace working or not

======================================================

=> telnet dxcdynatrace-io.glb.platform.dxc.com 443

(or)

=> nc -vz dxcdynatrace-io.glb.platform.dxc.com 443

Check the following Application Disks are available or not

===============================================================

LV-Name VG-Name Size(GB) Mount-Point

lvdtrapp vgapp 10.00g /dynatrace/activegate

lvdtrcfg vgapp 4.00g /dynatrace/lib

lvdtrdmp vgapp 100.00g /dynatrace/dump

lvdtrlog vgapp 2.00g /dynatrace/logs

lvdtrpkg vgapp 2.00g /dynatrace/packages

lvdtrtmp vgapp 10.00g /dynatrace/tmp

ActiveGate Token => dt0c01.M6PB64S5T3U6PTN7HHEOFU7Z.TO3TGAXNQPYF4ARC7NNSIGT2XTDFAI7LWXTFTRG274FU6TPKMTAHW2LNK6Y2JV5H

Run this command to download Activegate (Add the "--no-check-certificate" flag at the end of the wget command to avoid SSL certificate checks)

===================================================

wget -O Dynatrace-ActiveGate-Linux-x86-1.291.48.sh "https://dxcdynatrace-io.glb.platform.dxc.com/e/f14272f8-55bd-4ce8-b705-9ab309a47305/api/v1/deployment/installer/gateway/unix/latest?arch=x86" --header="Authorization: Api-Token dt0c01.M6PB64S5T3U6PTN7HHEOFU7Z.TO3TGAXNQPYF4ARC7NNSIGT2XTDFAI7LWXTFTRG274FU6TPKMTAHW2LNK6Y2JV5H" --no-check-certificate

Run this command to install Activegate

===================================================

/bin/bash Dynatrace-ActiveGate-Linux-x86-1.291.48.sh INSTALL="/dynatrace/activegate" PACKAGES\_DIR="/dynatrace/packages" LOG="/dynatrace/logs" CONFIG="/dynatrace/lib" TEMP="/dynatarce/tmp" --set-group="CSC-SP-11\_DXCCANLEV01"

Run the below commands to add the FW

===============================================

firewall-cmd --permanent --zone=public --add-port=443/tcp;

firewall-cmd --permanent --zone=public --add-port=9999/tcp;

firewall-cmd --permanent --zone=public --add-port=162/udp;

firewall-cmd --reload;

firewall-cmd --add-forward-port=port=443:proto=tcp:toport=9999:toaddr= ;

firewall-cmd --list-forward-port ;

The above command should display:

port=443:proto=tcp:toport=9999:toaddr=

firewall-cmd --runtime-to-permanent

If firewalld is not running

===============================================

sudo systemctl start firewalld

sudo systemctl enable firewalld

Post-Installation

Update the custom.properties file with all customizations¶

Edit /dynatrace/gateway/config/custom.properties and add the following lines if they are missing

=================================================================================================

[connectivity]

ignoreClusterRuntimeInfo = true

dnsEntryPoint = https://dscanstrgdxcag2.4705.1542.ecs.hp.com:443,https://30.233.161.51:443

[directories]

logDir = /dynatrace/logs/gateway

tempDir = /dynatrace/tmp/gateway

dumpDir = /dynatrace/dump

tenantDataDir = /dynatrace/lib/gateway/data

packagesDir = /dynatrace/packages

rootDir = /dynatrace/activegate/gateway

[collector]

seedServerUrl = https://https://dxcdynatrace-io.glb.platform.dxc.com:443/communication

# e.g. seedServerUrl = https://dxcdynatrace.dev.platform.dxc.com:443/communication

group = CSC-SP-11\_DXCCANLEV01

# e.g. group = Engineering-DEV

DumpSupported = true

[dump]

dumpDir = /dynatrace/dump

maxSizeGb = 95

maxAgeDays = 7

maxConcurrentUploads = 5

[com.compuware.apm.logging]

maxBytes = 10485760

maxFiles = 53

-> save the file

Restart ActiveGate service

====================================

systemctl restart dynatracegateway

Check Activegate Status

======================================

systemctl status dynatracegateway (status shows as running)

YOU NEED TO ADD ACTIVEGATE SERVER TO SELF ONEAGENT MONITORING

====================================================================

OA Token => dt0c01.6K5Q5DWYLCJJVX5RM5YQILC3.VGBDRCUA2BUYZP5EH2W2KAJFDY7OLHSB4FIG5P3CHEHUSBQTDQRRBNMO7JKMUI7U

Run below command to download Oneagent (Add the "--no-check-certificate" flag at the end of the wget command to avoid SSL certificate checks)

=========================================================

wget -O Dynatrace-OneAgent-Linux-1.291.121.20240531-083741.sh "https://dxcdynatrace-io.glb.platform.dxc.com/e/849d8947-eb15-4925-9f54-3f54a67ee348/api/v1/deployment/installer/agent/unix/default/latest?arch=x86" --header="Authorization: Api-Token dt0c01.6K5Q5DWYLCJJVX5RM5YQILC3.VGBDRCUA2BUYZP5EH2W2KAJFDY7OLHSB4FIG5P3CHEHUSBQTDQRRBNMO7JKMUI7U" --no-check-certificate

Run below command to install Oneagent

==============================================

/bin/sh Dynatrace-OneAgent-Linux-1.291.121.20240531-083741.sh --set-monitoring-mode=infra-only --set-app-log-content-access=true

Update custom-metadata

=============================================

Create a custom-metadata.sh

Add the below contents

#/bin/bash

# Check BASH is in the path above before executing!

# CONTENT MODIFICATION HISTORY

#

# 2024-05-08 v1.0.0 sks30@dxc.com

# - Creating Version history

# - Adding 2 dynatrace properties metadata\_version and metadata\_execute

#

#

metadata\_version='v1.0.0'

metadata\_execute='manual'

# Update EDGE\_ID variable value with the manual setting e.g. XXXX-nnnn

EDGE\_ID=""

echo "EdgeID: $EDGE\_ID"

serial\_number=$(dmidecode -s system-serial-number);

echo "SerialNumber: $serial\_number";

cpu\_manufacturer=$(cat /proc/cpuinfo | grep "model name" | head -1 | awk -F: '{print $2}' | sed -e 's/^[ \t]\*//');

echo "cpuManufacturer: $cpu\_manufacturer";

cpu\_speed=$(cat /proc/cpuinfo | grep -i "cpu MHz" | head -1 | awk -F: '{print $2}' | sed -e 's/^[ \t]\*//');

echo "cpuSpeed: $cpu\_speed";

model\_name=$(dmidecode -s system-product-name);

echo "Model: $model\_name";

model\_number=$(dmidecode -t system | grep SKU | sed -e 's/^[ \t]\*//');

echo "$model\_number" | grep -i "Not Specified"; if [ $? = 0 ]; then export model\_number="Unknown"; fi;

echo "ModelNumber: $model\_number";

# Check Distribution before getting Netmask data

ID=""

DIST\_DISTRIBUTION="$([[ -f /etc/os-release ]] && source /etc/os-release ; echo $ID)"

echo "OS Distribution: $DIST\_DISTRIBUTION"

# RHEL / OEL is the different commands compared to SLES.

# Validate this output in Dynatrace!

case "$DIST\_DISTRIBUTION" in

rhel)

nmask=$(for i in $(ip -o -f inet addr show | awk '{print $2}' | grep -v "^lo"); do /sbin/ifconfig $i | grep -E '(inet |netmask)'| \

awk '{print $2 ":"$4}'; done | paste -sd ",");

;;

sles)

nmask=$(for i in $(find /var/run/netconfig/ -name 'netconfig\*' -type f -print | grep -v 'lo'); do cat $i | grep -iE '(IPADDR|MASK)' | \

awk -F= '{print $2}'; done | paste - - -d ":" | paste -sd "," | sed -e 's/.//;s/.$//' -e 's/\/[0-9]\*//g' -e "s/'//g";)

;;

\*)

nmask=""

;;

esac

echo "NetMask\_all: $nmask"

# If nmask is longer than 247 chars, then split into 3 variables and use those for Dynatrace properties

if [ ${#nmask} -gt 247 ]

then

arr\_nmask=()

arr\_nmask1=()

arr\_nmask2=()

arr\_nmask3=()

IFS=$IFS,

read -a arr\_nmask <<< $nmask

readarray -t arr\_nmask\_uniq < <(printf '%s\n' "${arr\_nmask[@]}" | awk '!x[$0]++')

for (( loop\_index=0 ; loop\_index<${#arr\_nmask\_uniq[@]} ; loop\_index++ ));

do

str\_arr\_nmask1=$(IFS=,; printf '%s' "${arr\_nmask1[\*]}")

str\_arr\_nmask2=$(IFS=,; printf '%s' "${arr\_nmask2[\*]}")

str\_arr\_nmask3=$(IFS=,; printf '%s' "${arr\_nmask3[\*]}")

if [ $((${#str\_arr\_nmask1} + ${#arr\_nmask\_uniq[$loop\_index]} + 1)) -le 247 ]

then

arr\_nmask1+=(${arr\_nmask\_uniq[$loop\_index]})

elif [ $((${#str\_arr\_nmask2} + ${#arr\_nmask\_uniq[$loop\_index]} + 1)) -le 247 ]

then

arr\_nmask2+=(${arr\_nmask\_uniq[$loop\_index]})

elif [ $((${#str\_arr\_nmask3} + ${#arr\_nmask\_uniq[$loop\_index]} + 1)) -le 247 ]

then

arr\_nmask3+=(${arr\_nmask\_uniq[$loop\_index]})

else

break

fi

done

if [ ${#arr\_nmask1[@]} -gt 0 ]

then

netmask1=$(IFS=,; printf '%s' "${arr\_nmask1[\*]}")

else

netmask1="Not\_Required"

fi

if [ ${#arr\_nmask2[@]} -gt 0 ]

then

netmask2=$(IFS=,; printf '%s' "${arr\_nmask2[\*]}")

else

netmask2="Not\_Required"

fi

if [ ${#arr\_nmask3[@]} -gt 0 ]

then

netmask3=$(IFS=,; printf '%s' "${arr\_nmask3[\*]}")

else

netmask3="Not\_Required"

fi

else

netmask1=$nmask

netmask2="Not\_Required"

netmask3="Not\_Required"

fi

echo "Nmask: $nmask"

echo "Nmask1: $netmask1"

echo "Nmask2: $netmask2"

echo "Nmask3: $netmask3"

manufacturer=$(dmidecode -s system-manufacturer);

echo "Manufacturer: $manufacturer";

/opt/dynatrace/oneagent/agent/tools/oneagentctl --set-host-property=EDGEID="${EDGE\_ID// /%20}";

/opt/dynatrace/oneagent/agent/tools/oneagentctl --set-host-property=serialNumber="${serial\_number// /%20}";

/opt/dynatrace/oneagent/agent/tools/oneagentctl --set-host-property=cpuManufacturer="${cpu\_manufacturer// /%20}";

/opt/dynatrace/oneagent/agent/tools/oneagentctl --set-host-property=cpuSpeed="${cpu\_speed// /%20}";

/opt/dynatrace/oneagent/agent/tools/oneagentctl --set-host-property=modelName="${model\_name// /%20}";

/opt/dynatrace/oneagent/agent/tools/oneagentctl --set-host-property=modelNumber="${model\_number// /%20}";

/opt/dynatrace/oneagent/agent/tools/oneagentctl --set-host-property=netmask="${netmask1// /%20}";

/opt/dynatrace/oneagent/agent/tools/oneagentctl --set-host-property=netmask2="${netmask2// /%20}";

/opt/dynatrace/oneagent/agent/tools/oneagentctl --set-host-property=netmask3="${netmask3// /%20}";

/opt/dynatrace/oneagent/agent/tools/oneagentctl --set-host-property=manufacturer="${manufacturer// /%20}";

/opt/dynatrace/oneagent/agent/tools/oneagentctl --set-host-property=metadata\_version="${metadata\_version// /%20}";

/opt/dynatrace/oneagent/agent/tools/oneagentctl --set-host-property=metadata\_execute="${metadata\_execute// /%20}" --restart-service;

/opt/dynatrace/oneagent/agent/tools/oneagentctl --get-host-properties;

Give executable permissions and run the file