# Exit on Error

set -e

OUTPUT\_DIR=/secrets/certs

ZIP\_CA\_FILE=$OUTPUT\_DIR/ca.zip

ZIP\_FILE=$OUTPUT\_DIR/certs.zip

printf "======= Generating Elastic Stack Certificates =======\n"

printf "=====================================================\n"

if ! command -v unzip &>/dev/null; then

printf "Installing Necessary Tools... \n"

yum install -y -q -e 0 unzip;

fi

printf "Clearing Old Certificates if exits... \n"

mkdir -p $OUTPUT\_DIR

find $OUTPUT\_DIR -type d -exec rm -rf -- {} +

mkdir -p $OUTPUT\_DIR/ca

printf "Generating CA Certificates... \n"

PASSWORD=`openssl rand -base64 32`

/usr/share/elasticsearch/bin/elasticsearch-certutil ca --pass "$PASSWORD" --pem --out $ZIP\_CA\_FILE &> /dev/null

printf "Generating Certificates... \n"

unzip -qq $ZIP\_CA\_FILE -d $OUTPUT\_DIR;

/usr/share/elasticsearch/bin/elasticsearch-certutil cert --silent --pem --ca-cert $OUTPUT\_DIR/ca/ca.crt --ca-key $OUTPUT\_DIR/ca/ca.key --ca-pass "$PASSWORD" --in /setup/instances.yml -out $ZIP\_FILE &> /dev/null

printf "Unzipping Certifications... \n"

unzip -qq $ZIP\_FILE -d $OUTPUT\_DIR;

printf "Applying Permissions... \n"

chown -R 1000:0 $OUTPUT\_DIR

find $OUTPUT\_DIR -type f -exec chmod 655 -- {} +

printf "=====================================================\n"

printf "SSL Certifications generation completed successfully.\n"

printf "=====================================================\n"