Recover Your Password through CLI on CMX 10.5 & Later

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Introduction

This document describes the procedure for recovering lost CLI passwords for usernames 'root' and 'cmxadmin' for CMX 10.5 & above.

Pre-requisites

Requirements

None

Components used

CMX 10.5 VM

Procedure

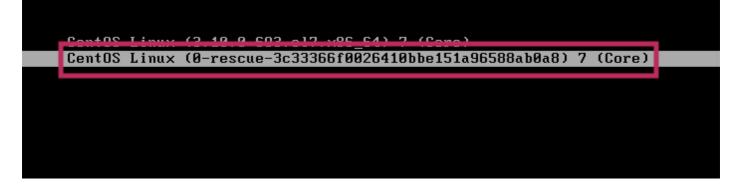
CMX 10.5 (and above) runs on CentOS 7 as shown below:

[cmxadmin@glitz etc]\$ cat /etc/centos-release CentOS Linux release 7.4.1708 (Core) [cmxadmin@glitz etc]\$

Console access is required for this procedure. It could be the VM Console or the physical console depending on the type of appliance used in the deployment.

Step 1

Restart the CMX server and wait until the GRUB boot screen shows up. Select the highlighted option (for rescue mode) & press "e" to edit.



Note:

For CMX 10.6 & above, if prompted for a username and/or password, enter the credentials as username: root and password: password (not the configured root password on the server).

Step 2

Scroll down to the line which starts with "linux16" and remove the "rhgb quiet" parameter at the end of the line. (In latest versions, it can be "rhgb quiet rd.shell = 0")

insmod ext2 set root='hd0,msdos1'				
if [x\$feature_platform_search_hint = xy]; then				
searchno-floppyfs-uuidset=roothint-bios=hd0,msdos1hin\ t-efi=hd0,msdos1hint-baremetal=ahci0,msdos1hint='hd0,msdos1' cade620e-a\				
f0d-4dd6-8f4e-d64538b2ee7f else				
searchno-floppyfs-uuidset=root cade620e-af0d-4dd6-8f4e-d645				
38b2ee7f				
linux16 /vmlinuz-0-rescue-3c33366f0026410bbe151a96588ab0a8 root=/dev/m/ apper/vg_cmx-lu_root_ro_crashkernel=auto_rd.lvm.lv=vg_cmx/lv_root_rd.lvm.lv=vg/ _cmx/lv_sway_rhgb_quiet				
INITAID / INITAMIS-0-RESCUE-3C333661002641000e151896588800888.1Mg				
Press Ctrl-x to start, Ctrl-c for a command prompt or Escape to discard edits and return to the menu. Pressing Tab lists possible completions.				

Step 3

After removing the parameter in Step 2, add the option "rd.break enforcing=0" on the same line.

Step 4

Once complete, press CTRL + X to load the system and boot in Emergency mode. You would notice a new prompt.

Generating "/run/initramfs/rdsosreport.txt" Entering emergency mode. Exit the shell to continue. Type "journated" to blow system logs. You might want to save "/run/initramfs/rdsosreport.txt" to a USB stick or /boot after mounting them and attach it to a bug report. switch_root:/# [109.864205] random: crng init done switch_root:/# switch_root:/#

Step 5

Remount the file system to be able to write to it, as it is mounted for read-only using the command below:

mount -o remount, rw /sysroot



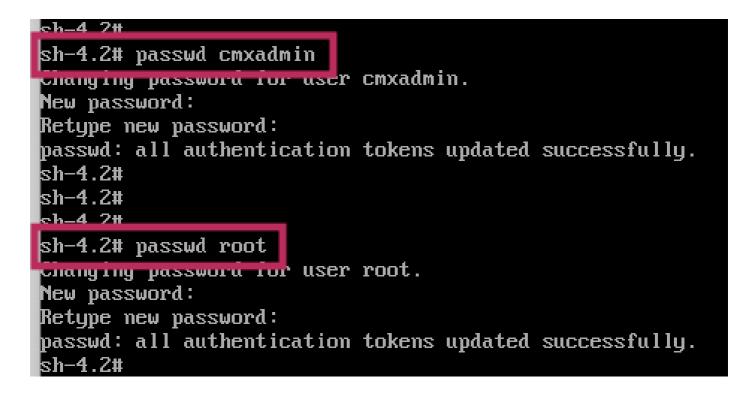
Step 6

Change the file system root as shown and you would notice the prompt change once complete.

chroot /sysroot

Step 7

Change the password using the passwd <username> command. In the example below, passwords for both cmxadmin and root usernames are changed.



Step 8

Remount the filesystem as Read only using this command:

mount -o remount, ro /

```
sh-4.2#
sh-4.2# mount -o remount,ro /
[ 960.330623] EXT4-fs (dm-0): re-mounted. Opts: (null)
sh-4.2#
```

Step 9

Type 'exit' two times to get to the CMX login menu

You are now be able to login with your new credentials