# Reset Password if forget username and password

### **Procedure:**

Step 1: Reboot system and press "e" to edit SONiC grub option (e.g SONiC-OS-Edgecore-SONiC\_20201123\_130028\_ec202006\_74)

GNU GRUB version 2.02~beta3

Use the ^ and v keys to select which entry is highlighted. Press enter to boot the selected OS, `e' to edit the commands before booting or `c' for a command-line.

# GNU GRUB version 2.02~beta3

```
|setparams 'SONiC-OS-Edgecore-SONiC_20201123_130028_ec202006_74'
   search --no-floppy --label --set=root SONiC-OS
   echo 'Loading SONiC-OS OS kernel ...'
  insmod gzio
   if [x = xxen]; then insmod xzio; insmod lzopio; fi
   insmod part_msdos
   insmod ext2
   linux /image-Edgecore-SONiC_20201123\_130028\_ec202006\_74/boot/vmli \setminus |
|nuz-4.19.0-6-2-amd64 root=UUID=3ec4cab4-38b0-473d-a1ef-0a667f144c1e rw cons\ |
loop=image-Edgecore-SONiC_20201123_130028_ec202006_\ \mid v
|vname=0
|74/fs.squashfs loopfstype=squashfs
|parmor=1 security=apparmor varlog_size=4096 usbcore.autosuspend=-1 pcie_asp\ |
m=off tg3.short_preamble=1 tg3.bcm5718s_reset=1
   echo 'Loading SONiC-OS OS initial ramdisk ...'
   initrd /image-Edgecore-SONiC_20201123_130028_ec202006_74/boot/init\ \mid
|rd.img-4.19.0-6-2-amd64|
```

Minimum Emacs-like screen editing is supported. TAB lists completions. Press Ctrl-x or F10 to boot, Ctrl-c or F2 for a command-line or ESC to discard edits and return to the GRUB menu.

# Step 2: Add init=/bin/bash as shown below,

```
|setparams 'SONiC-OS-Edgecore-SONiC_20201123_130028_ec202006_74'
   search --no-floppy --label --set=root SONiC-OS
   echo 'Loading SONiC-OS OS kernel ...'
insmod gzio
  if [x = xxen]; then insmod xzio; insmod lzopio; fi
  insmod part_msdos |
   insmod ext2
    linux /image-Edgecore-SONiC_20201123_130028_ec202006_74/boot/vmli\ |
|nuz-4.19.0-6-2-amd64 root=UUID=3ec4cab4-38b0-473d-a1ef-0a667f144c1e rw cons\ |
|ole=tty0 console=ttyS0,115200n8 init=/bin/bash quiet net.ifnames=0 biosde\ |
                loop=image-Edgecore-SONiC_20201123_130028_ec202006_\ |v
|vname=0
|74/fs.squashfs loopfstype=squashfs
|parmor=1 security=apparmor varlog_size=4096 usbcore.autosuspend=-1 pcie_asp\ |
|m=off tg3.short_preamble=1 tg3.bcm5718s_reset=1 |
    echo 'Loading SONiC-OS OS initial ramdisk ...'
    initrd /image-Edgecore-SONiC_20201123_130028_ec202006_74/boot/init\
|rd.img-4.19.0-6-2-amd64
 Minimum Emacs-like screen editing is supported. TAB lists
 completions. Press Ctrl-x or F10 to boot, Ctrl-c or F2 for
 a command-line or ESC to discard edits and return to the GRUB menu.
```

**Note:** This insertion will be restored after rebooting. Therefore, it's not necessary to edit grub option again.

#### Step 3: Press Ctrl+x to boot

```
Loading SONiC-OS OS kernel ...

Loading SONiC-OS OS initial ramdisk ...

[ 2.708038] irq 16: nobody cared (try booting with the "irqpoll" option)

[ 2.714804] handlers:

[ 2.717210] [<ffffffff94c427b0>] serial8250_interrupt

[ 2.722539] Disabling IRQ #16

[ 3.647833] ixgbe 0000:08:00.1: HW Init failed: -17

bash: cannot set terminal process group (-1): Inappropriate ioctl for device bash: no job control in this shell

root@(none):/#
```

Step 4: Now you're able to modify the password by linux command. Username root as example.

root@(none):/# passwd root Enter new UNIX password: Retype new UNIX password: passwd: password updated successfully

Step 5: Reboot the switch by linux command or Power cycle the switch

root@(none):/# reboot -f

Reference: SONiC Github https://github.com/Azure/SONiC/blob/master/doc/SONiC-User-Manual.md#23-how-to-reset-password

# **Barefoot switch(Wedge100BF-32X/65X)**

## Tested model & firmware version:

Switch model name:

Wedge100BF-65X

• Edgecore SONiC version:

202012.1

202012.2

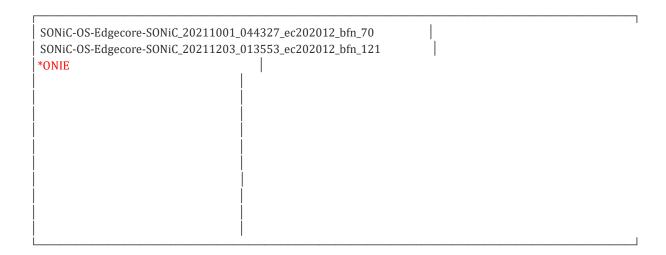
### **Procedure:**

Step1. <BMC> Power cycle the NOS by BMC command.

root@bmc:~# wedge\_power.sh reset board type is Mavericks Power reset microserver ... Done root@bmc:~# sol.sh You are in SOL session. Use ctrl-x to quit.

Step2. <GRUB> Login to **ONIE rescue** mode.(Be sure to **ONIE rescue** mode.)

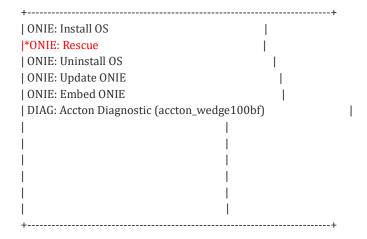
GNU GRUB version 2.02



Use the ▲ and ▼ keys to select which entry is highlighted.

Press enter to boot the selected OS, `e' to edit the commands

GNU GRUB version 2.02



Use the ^ and v keys to select which entry is highlighted. Press enter to boot the selected OS, `e' to edit the commands before booting or `c' for a command-line.

Step3. <ONIE> Check the partition where SONIC is installed. In this example, SONIC is installed on the third partition of /dev/sda.

ONIE: / # parted -l

Model: ATA FS128GM280I-AC (scsi)

Disk /dev/sda: 128GB

Sector size (logical/physical): 512B/512B

Partition Table: gpt

Disk Flags:

```
Number Start End Size File system Name Flags
1 1049kB 269MB 268MB fat16 EFI System boot, hidden
2 269MB 404MB 134MB ext4 ONIE-BOOT hidden
4 404MB 34.8GB 34.4GB ext4 ACCTON-DIAG hidden
3 69.1GB 103GB 34.4GB ext4 SONiC-OS
```

ONIE:/#

Step4. Create a provisional folder to mount SONIC partition.

ONIE:/# mkdir /mnt/sonic\_recovery

Step5. Mount the SONIC partition to provisional folder.

ONIE:/# mount -t ext4 /dev/sda3 /mnt/sonic\_recovery

Step6. Go to SONIC partition folder. In this example, we modify the password of admin account in Edgecore-SONIC\_20211001\_044327\_ec202012\_bfn\_70. Go to the /etc in this version.

```
ONIE:/mnt/sonic_recovery # ls -l
drwxr-xr-x 2 root 0
                        4096 Dec 15 11:11 disk-img
drwxr-xr-x 5 root 0
                        4096 Dec 15 11:10 grub
drwxr-xr-x 8 root 0 4096 Dec 15 16:15 image-Edgecore-SONiC_20211001_044327_ec202012_bfn_70
drwxr-xr-x 7 root 0 4096 Dec 15 11:11 image-Edgecore-SONiC_20211203_013553_ec202012_bfn_121
drwx----- 2 root 0 16384 Dec 15 11:09 lost+found
-rw-r--r-- 1 root 0 875 Dec 15 11:10 machine.conf
drwxr-xr-x 2 root 0 4096 Feb 10 03:21 migration
drwxr-xr-x 4 root 0
                       4096 Feb 10 03:21 reboot-cause
drwxr-xr-x 4 root 0
                       4096 Dec 15 11:14 warmboot
drwxr-xr-x 2 root 0 4096 Dec 15 11:12 ztp
ONIE:/mnt/sonic recovery # cd image-Edgecore-SONiC 20211001 044327 ec202012 bfn 70/rw/etc/
ONIE:/mnt/sonic_recovery/image-Edgecore-SONiC_20211001_044327_ec202012_bfn_70/rw/etc#
```

Step7. <ONIE> Mark the admin password configuration in "shadow" file. In the example, we remove the admin password configuration by "sed".

```
ONIE:/mnt/sonic\_recovery/image-Edgecore-SONiC\_20211001\_044327\_ec202012\_bfn\_70/rw/etc \# admin\_shadow=`awk-F':''\{$2="";print$0\}' shadow | grep admin| sed 's/\ /:/g'` ONIE:/mnt/sonic\_recovery/image-Edgecore-SONiC\_20211001\_044327\_ec202012\_bfn\_70/rw/etc \# sed -i "s/admin.*/$admin\_shadow/g" shadow
```

Step8. <ONIE> Reboot device

ONIE:/mnt/sonic\_recovery/image-Edgecore-SONiC\_20211001\_044327\_ec202012\_bfn\_70/rw/etc # reboot

Step9. <SONiC> Login to SONiC by admin account without password and then change the password by "passwd".(refer to [Edgecore SONiC] Username and Password)

-- Software for Open Networking in the Cloud --

Unauthorized access and/or use are prohibited. All access and/or use are subject to monitoring.

Help: http://azure.github.io/SONiC/

|\_\_/\\_\_/|\_|\\_\_|

admin@sonic:~\$ sudo passwd admin New password: Retype new password:

passwd: password updated successfully