当您更新与YaST的OS SAP哈纳缩放后加工

目录

简介

本文描述您如何必须在的重新启动之前更改Preboot执行环境(PXE)启动配置任何SAP高性能分析设备(哈纳)节点，当您用另外设置工具(YaST)时执行操作系统(OS)升级或安装新的以太网接口控制器(ENIC) /Fabric网络接口控制器(FNIC)驱动程序。补丁程序/驱动程续安装在每个SAP哈纳节点必须发生。

后加工步骤

当您更新与YaST时的OS请使用此步骤。

1. 执行SUSE更新与YaST或ENIC/FNIC驱动程续安装。 **注意**：参考[如何升级到SLES/SLED 11 SP3](#)微重点文档关于如何从SP2升级的详情到SP3。
2. 复制更新内核对从其中一的**mgmtsrv** SAP哈纳节点。

```
server01 # cd /boot
# Prepare initrd for the PXEBoot and include the nfs packages/drivers
mkinitrd -f nfs -D eth0
# Copy the initrd and vmlinuz to the tftpboot directory of the mgmtsrv
server01 # scp initrd-3.0.101-0.31-default mgmtsrv01:/tftpboot
server01 # scp vmlinuz-3.0.101-0.31-default mgmtsrv01:/tftpboot
```

3. 登录到**mgmtsrv01**为了准备初始随机存取存储磁盘(initrd) PXE的启动和包括网络文件系统包/驱动程序：

```
# Check the new run_all.sh script is available (attached to this article as well)
ll /tftboot/tmp/run_all.sh
# Change the initrd
cd /tftpboot
mkdir /tftpboot/tmp2
cp initrd-3.0.101-0.31-default  /tftpboot/tmp2/
cd /tftpboot/tmp2
mv initrd-3.0.101-0.31-default  initrd-3.0.101-0.31-default.gz
gunzip initrd-3.0.101-0.31-default.gz
# Now the initrd is in a CPIO format
cpio -idumf < initrd-3.0.101-0.31-default
rm initrd-3.0.101-0.31-default
# Udev files needs to be empty to avoid issues running different nodes with
that initrd
# During the kernel creation it captures all MAC addresses and align them to
the addresses in the UDEV rules file, so we empty the file before.
# During restart every server will create its own persistent-net rules again.
echo > etc/udev/rules.d/70-persistent-net.rules
# Copy the run_all script generic to all versions of the kernel
cp ../tmp/run_all.sh .
find . | cpio --create --format="newc" > ../initrd-3.0.101-0.31-default
cd ..
```

```
gzip -9 initrd-3.0.101-0.31-default
mv initrd-3.0.101-0.31-default.gz initrd-3.0.101-0.31-default
# For simplification …
ln -s ./initrd-3.0.101-0.31-default initrd_3.0.101
ln -s ./vmlinuz-3.0.101-0.31-default kernel_3.0.101
# Now prepare the PXE boot configuration
cd /tftpboot/pxelinux.cfg
vi <hostname|IP address>
# If there is no link available you can check with the command "gethostip
server01"
copy the current SLES11_SP2 (or Default) section and adapt the values for default
and LABEL as well as the kernel and initrd links
# SAP UCS PXE Boot Definition
display ../boot.msg
default SLES11_SP3_101
prompt 1
timeout 10

LABEL SLES11_SP3_101
KERNEL kernel_3.0.101
APPEND initrd=initrd_3.0.101 rw rootdev=192.168.xx.xx:/FS_OS_01/SLES11SP3
intel_idle.max_cstate=0 processor.max_cstate=0 ip=dhcp
OS_VOLUME="FS_OS_01/SLES4SAPSP3" MAC="00:25:B5:12:00:FF" OS_SERVER="192.168.127.11"
```

4. 在第一个SAP哈纳节点，请保证SAP哈纳被终止作为<SID>ADM。

```
# Check the new run_all.sh script is available (attached to this article as well)
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# Change the initrd
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cd /tftpboot/tmp2
mv initrd-3.0.101-0.31-default  initrd-3.0.101-0.31-default.gz
gunzip initrd-3.0.101-0.31-default.gz
# Now the initrd is in a CPIO format
cpio -idumf < initrd-3.0.101-0.31-default
rm initrd-3.0.101-0.31-default
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echo > etc/udev/rules.d/70-persistent-net.rules
# Copy the run_all script generic to all versions of the kernel
cp ../tmp/run_all.sh .
find . | cpio --create --format="newc" > ../initrd-3.0.101-0.31-default
cd ..
gzip -9 initrd-3.0.101-0.31-default
mv initrd-3.0.101-0.31-default.gz initrd-3.0.101-0.31-default
# For simplification …
ln -s ./initrd-3.0.101-0.31-default initrd_3.0.101
ln -s ./vmlinuz-3.0.101-0.31-default kernel_3.0.101
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APPEND initrd=initrd_3.0.101 rw rootdev=192.168.xx.xx:/FS_OS_01/SLES11SP3
intel_idle.max_cstate=0 processor.max_cstate=0 ip=dhcp
OS_VOLUME="FS_OS_01/SLES4SAPSP3" MAC="00:25:B5:12:00:FF" OS_SERVER="192.168.127.11"
```

5. 重新启动所有SAP哈纳节点到新的内核。

   如果有其他在此解决方案的SAP哈纳节点，您必须通过在节点的YaST运行更新和适用PXE启动配置为了之后指向正确内核/initrd。