

# Manueller Build der HP SPP ISO mit zusätzlichen firmware RPM Packages

Create HP SPP ISO and add additional firmware images to it

## Unpack ISO Image

```
[root@vinstp ~]# cd /data/hp_tools/  
[root@vinstp hp_tools]# mkdir isobuild  
[root@vinstp hp_tools]# mount -o ro,loop HP_SPP2017040.2017_0420.14.iso  
tst_mnt/  
[root@vinstp hp_tools]# cp -rv tst_mnt/* isobuild/  
[root@vinstp hp_tools]# umount tst_mnt  
[root@vinstp hp_tools]# cd isobuild/
```

## Copy new content to unpacked Image

```
[root@vinstp isobuild]# cp -v /data/hp_tools/FW_latest/*firmware-  
system*2018.05.21* .  
[root@vinstp isobuild]# cd ..  
[root@vinstp hp_tools]#
```

## Repack ISO Image

**Before repack:** Lookup how the original ISO-Image was build from HP

```
[root@vinstp hp_tools]# isoinfo -d -i ./HP_SPP2017040.2017_0420.14.iso
```

```
CD-ROM is in ISO 9660 format  
System id:  
Volume id: SPP2017040  
Volume set id:  
Publisher id:  
Data preparer id: XORRISO-1.4.2 2015.11.28.140001, LIBISOBURN-1.4.2,  
LIBISOFS-1.4.2, LIBBURN1.4.2  
Application id:  
Copyright File id:  
Abstract File id:  
Bibliographic File id:  
Volume set size is: 1
```

```
Volume set sequence number is: 1
Logical block size is: 2048
Volume size is: 3445008
El Torito VD version 1 found, boot catalog is in sector 914
Joliet with UCS level 3 found
Rock Ridge signatures version 1 found
Eltorito validation header:
  Hid 1
  Arch 0 (x86)
  ID ''
  Key 55 AA
  Eltorito defaultboot header:
  Bootid 88 (bootable)
  Boot media 0 (No Emulation Boot)
  Load segment 0
  Sys type 0
  Nsect 4
  Bootoff 593 1427
```

### Repack the ISO Image now:

```
[root@vinstp hp_tools]# genisoimage -o
/data/hp_tools/HP_Gen8_SPP2017040.2017_0420.18.iso -V
"SPP2017040" -volset "HP SPP 201704" -J -joliet-long -r -v -T -x
./lost+found -o
/data/hp_tools/HP_SPP2017040.2017_0420.18.iso -b system/isolinux.bin -c
system/boot.cat -noemul-boot
-boot-load-size 4 -boot-info-table -eltorito-alt-boot -b efi/boot/efi.img -
no-emulboot
isobuild/
```

```
. . .
98.99% done, estimate finish Mon Dec 17 13:44:32 2018
99.14% done, estimate finish Mon Dec 17 13:44:32 2018
99.28% done, estimate finish Mon Dec 17 13:44:32 2018
99.43% done, estimate finish Mon Dec 17 13:44:32 2018
99.57% done, estimate finish Mon Dec 17 13:44:32 2018
99.72% done, estimate finish Mon Dec 17 13:44:32 2018
99.86% done, estimate finish Mon Dec 17 13:44:32 2018
Total translation table size: 968922
Total rockridge attributes bytes: 450720
Total directory bytes: 1030144
Path table size(bytes): 3912
Done with: The File(s) Block(s) 3448681
Writing: Ending Padblock Start Block 3449604
Done with: Ending Padblock Block(s) 150
Max brk space used 529000
3449754 extents written (6737 MB)
```

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