

ESXi host patch/update

: <http://blog.nullfree.kr/5>

VMware ESXi 6.0

.vib .zip PC Datastore
, VMware Repository

- ESXi SSH 가
- ESXi (Cumulative Patch) 가
- 가 Image Profile Name “-standard” “-no-tools” VMTools가

가 Image Profile Name

VMware ESXi
VMware ESXi Patch Tracker: <https://esxi-patches.v-front.de/>
2016 2 27 가 “ESXi-6.0.0-20160204001-standard”, Build 3568940

ESXi 가 가 (VM)

SSH ESXi root

SSH Shell

ESXi

```
vim-cmd /hostsvc/maintenance_mode_enter
```

```
esxcli network firewall ruleset set -e true -r httpClient
```

ESXi 6.x

Profile

```
esxcli software sources profile list -d
https://hostupdate.vmware.com/software/VUM/PRODUCTION/main/vmw-depot-index.xml | grep ESXi-6.5
```

```
[root@node41:~] esxcli software sources profile list -d
https://hostupdate.vmware.com/software/VUM/PRODUCTION/main/vmw-depot-index.xml | grep ESXi-6.5
ESXi-6.5.0-20170301001s-standard      VMware, Inc.  PartnerSupported
ESXi-6.5.0-20170304001-no-tools     VMware, Inc.  PartnerSupported
ESXi-6.5.0-4564106-no-tools         VMware, Inc.  PartnerSupported
ESXi-6.5.0-20170404001-standard     VMware, Inc.  PartnerSupported
ESXi-6.5.0-20170104001-standard     VMware, Inc.  PartnerSupported
ESXi-6.5.0-20170301001s-no-tools    VMware, Inc.  PartnerSupported
ESXi-6.5.0-4564106-standard         VMware, Inc.  PartnerSupported
ESXi-6.5.0-20170104001-no-tools     VMware, Inc.  PartnerSupported
ESXi-6.5.0-20170304101-no-tools     VMware, Inc.  PartnerSupported
ESXi-6.5.0-20170304101-standard     VMware, Inc.  PartnerSupported
ESXi-6.5.0-20170404001-no-tools     VMware, Inc.  PartnerSupported
ESXi-6.5.0-20170304001-standard     VMware, Inc.  PartnerSupported
```

2 Image Profile Name Repository

Image Profile Name

```
esxcli software profile update -d
https://hostupdate.vmware.com/software/VUM/PRODUCTION/main/vmw-depot-index.xml -p "Image Profile Name"
```

	Image Profile Name	Image Profile
Name		

```
esxcli software profile update -d
https://hostupdate.vmware.com/software/VUM/PRODUCTION/main/vmw-depot-index.xml -p "ESXi-6.5.0-20170404001-standard"
```

Progress가

가
-dry-run 가

```
[root@node41:~] esxcli software profile update -d
https://hostupdate.vmware.com/software/VUM/PRODUCTION/main/vmw-depot-index.x
ml -p "ESXi-6.5.0-20170404001-standard"
Update Result
    Message: The update completed successfully, but the system needs to be
rebooted for the changes to be effective.
    Reboot Required: true
    VIBs Installed: VMware_bootbank_esx-base_6.5.0-0.19.5310538,
VMware_bootbank_esx-ui_1.18.0-5270848,
VMware_bootbank_vsan_6.5.0-0.19.5310540,
VMware_bootbank_vsanhealth_6.5.0-0.19.5310541
    VIBs Removed: VMware_bootbank_esx-base_6.5.0-0.15.5224529,
VMware_bootbank_esx-ui_1.15.0-5069532,
VMware_bootbank_vsan_6.5.0-0.15.5224529,
VMware_bootbank_vsanhealth_6.5.0-0.15.5224529
    VIBs Skipped: VMW_bootbank_ata-libata-92_3.00.9.2-16vmw.650.0.0.4564106,
VMW_bootbank_ata-pata-amd_0.3.10-3vmw.650.0.0.4564106, VMW_bootbank_ata-
pata-atiixp_0.4.6-4vmw.650.0.0.4564106, VMW_bootbank_ata-pata-
cmd64x_0.2.5-3vmw.650.0.0.4564106, VMW_bootbank_ata-pata-
hpt3x2n_0.3.4-3vmw.650.0.0.4564106, VMW_bootbank_ata-pata-
pdc2027x_1.0-3vmw.650.0.0.4564106, VMW_bootbank_ata-pata-
serverworks_0.4.3-3vmw.650.0.0.4564106, VMW_bootbank_ata-pata-
sil680_0.4.8-3vmw.650.0.0.4564106, VMW_bootbank_ata-pata-
via_0.3.3-2vmw.650.0.0.4564106, VMW_bootbank_block-
cciss_3.6.14-10vmw.650.0.0.4564106, VMW_bootbank_char-
random_1.0-3vmw.650.0.0.4564106, VMW_bootbank_ehci-ehci-
hcd_1.0-4vmw.650.0.14.5146846,
VMW_bootbank_elxnet_11.1.91.0-1vmw.650.0.0.4564106, VMW_bootbank_hid-
hid_1.0-3vmw.650.0.0.4564106, VMW_bootbank_i40en_1.1.0-1vmw.650.0.0.4564106,
VMW_bootbank_igbn_0.1.0.0-12vmw.650.0.0.4564106, VMW_bootbank_ima-
qla4xxx_2.02.18-1vmw.650.0.0.4564106, VMW_bootbank_ipmi-ipmi-
devintf_39.1-4vmw.650.0.0.4564106, VMW_bootbank_ipmi-ipmi-
msgbhandler_39.1-4vmw.650.0.0.4564106, VMW_bootbank_ipmi-ipmi-si-
drv_39.1-4vmw.650.0.0.4564106,
VMW_bootbank_ixgben_1.0.0.0-9vmw.650.0.14.5146846,
VMW_bootbank_lpf_11.1.0.6-1vmw.650.0.0.4564106, VMW_bootbank_lsi-
mr3_6.910.18.00-1vmw.650.0.0.4564106, VMW_bootbank_lsi-
msgpt2_20.00.01.00-3vmw.650.0.0.4564106, VMW_bootbank_lsi-
msgpt3_12.00.02.00-11vmw.650.0.0.4564106, VMW_bootbank_misc-cnic-
register_1.78.75.v60.7-1vmw.650.0.0.4564106, VMW_bootbank_misc-
drivers_6.5.0-0.14.5146846, VMW_bootbank_mtip32xx-
native_3.9.5-1vmw.650.0.0.4564106,
VMW_bootbank_ne1000_0.8.0-11vmw.650.0.14.5146846,
VMW_bootbank_nenic_1.0.0.2-1vmw.650.0.0.4564106, VMW_bootbank_net-
bnx2_2.2.4f.v60.10-2vmw.650.0.0.4564106, VMW_bootbank_net-
bnx2x_1.78.80.v60.12-1vmw.650.0.0.4564106, VMW_bootbank_net-cdc-
ether_1.0-3vmw.650.0.0.4564106, VMW_bootbank_net-
cnic_1.78.76.v60.13-2vmw.650.0.0.4564106, VMW_bootbank_net-
e1000_8.0.3.1-5vmw.650.0.0.4564106, VMW_bootbank_net-
e1000e_3.2.2.1-2vmw.650.0.0.4564106, VMW_bootbank_net-
enic_2.1.2.38-2vmw.650.0.0.4564106, VMW_bootbank_net-
```

fcoe_1.0.29.9.3-7vmw.650.0.0.4564106, VMW_bootbank_net-
forcedeth_0.61-2vmw.650.0.0.4564106, VMW_bootbank_net-
igb_5.0.5.1.1-5vmw.650.0.0.4564106, VMW_bootbank_net-
ixgbe_3.7.13.7.14iov-20vmw.650.0.0.4564106, VMW_bootbank_net-
libfcoe-92_1.0.24.9.4-8vmw.650.0.0.4564106, VMW_bootbank_net-mlx4-
core_1.9.7.0-1vmw.650.0.0.4564106, VMW_bootbank_net-mlx4-
en_1.9.7.0-1vmw.650.0.0.4564106, VMW_bootbank_net-nx-
nic_5.0.621-5vmw.650.0.0.4564106, VMW_bootbank_net-
tg3_3.131d.v60.4-2vmw.650.0.0.4564106, VMW_bootbank_net-
usbnet_1.0-3vmw.650.0.0.4564106, VMW_bootbank_net-
vmxnet3_1.1.3.0-3vmw.650.0.0.4564106,
VMW_bootbank_nhpsa_2.0.6-3vmw.650.0.0.4564106, VMW_bootbank_nmlx4-
core_3.16.0.0-1vmw.650.0.0.4564106, VMW_bootbank_nmlx4-
en_3.16.0.0-1vmw.650.0.0.4564106, VMW_bootbank_nmlx4-
rdma_3.16.0.0-1vmw.650.0.0.4564106, VMW_bootbank_nmlx5-
core_4.16.0.0-1vmw.650.0.0.4564106,
VMW_bootbank_ntg3_4.1.0.0-1vmw.650.0.0.4564106,
VMW_bootbank_nvme_1.2.0.32-2vmw.650.0.0.4564106,
VMW_bootbank_nvmxnet3_2.0.0.22-1vmw.650.0.0.4564106, VMW_bootbank_ohci-usb-
ohci_1.0-3vmw.650.0.0.4564106, VMW_bootbank_pvscsi_0.1-1vmw.650.0.0.4564106,
VMW_bootbank_qedentv_2.0.3.29-1vmw.650.0.0.4564106,
VMW_bootbank_qfle3_1.0.2.7-1vmw.650.0.0.4564106,
VMW_bootbank_qflge_1.1.0.3-1vmw.650.0.0.4564106,
VMW_bootbank_qlnativefc_2.1.30.0-11vmw.650.0.0.4564106, VMW_bootbank_sata-
ahci_3.0-22vmw.650.0.0.4564106, VMW_bootbank_sata-ata-
piix_2.12-10vmw.650.0.0.4564106, VMW_bootbank_sata-sata-
nv_3.5-4vmw.650.0.0.4564106, VMW_bootbank_sata-sata-
promise_2.12-3vmw.650.0.0.4564106, VMW_bootbank_sata-sata-
sil24_1.1-1vmw.650.0.0.4564106, VMW_bootbank_sata-sata-
sil_2.3-4vmw.650.0.0.4564106, VMW_bootbank_sata-sata-
svw_2.3-3vmw.650.0.0.4564106, VMW_bootbank_scsi-
aacraid_1.1.5.1-9vmw.650.0.0.4564106, VMW_bootbank_scsi-
adp94xx_1.0.8.12-6vmw.650.0.0.4564106, VMW_bootbank_scsi-
aic79xx_3.1-5vmw.650.0.0.4564106, VMW_bootbank_scsi-
bnx2fc_1.78.78.v60.8-1vmw.650.0.0.4564106, VMW_bootbank_scsi-
bnx2i_2.78.76.v60.8-1vmw.650.0.0.4564106, VMW_bootbank_scsi-
fnic_1.5.0.45-3vmw.650.0.0.4564106, VMW_bootbank_scsi-
hpsa_6.0.0.84-1vmw.650.0.0.4564106, VMW_bootbank_scsi-
ips_7.12.05-4vmw.650.0.0.4564106, VMW_bootbank_scsi-iscsi-
linux-92_1.0.0.2-3vmw.650.0.0.4564106, VMW_bootbank_scsi-
libfc-92_1.0.40.9.3-5vmw.650.0.0.4564106, VMW_bootbank_scsi-megaraid-
mbox_2.20.5.1-6vmw.650.0.0.4564106, VMW_bootbank_scsi-megaraid-
sas_6.603.55.00-2vmw.650.0.0.4564106, VMW_bootbank_scsi-
megaraid2_2.00.4-9vmw.650.0.0.4564106, VMW_bootbank_scsi-
mpt2sas_19.00.00.00-1vmw.650.0.0.4564106, VMW_bootbank_scsi-
mptsas_4.23.01.00-10vmw.650.0.0.4564106, VMW_bootbank_scsi-
mptspi_4.23.01.00-10vmw.650.0.0.4564106, VMW_bootbank_scsi-
qla4xxx_5.01.03.2-7vmw.650.0.0.4564106, VMW_bootbank_shim-iscsi-
linux-9-2-1-0_6.5.0-0.0.4564106, VMW_bootbank_shim-iscsi-
linux-9-2-2-0_6.5.0-0.0.4564106, VMW_bootbank_shim-
libata-9-2-1-0_6.5.0-0.0.4564106, VMW_bootbank_shim-

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libata-9-2-2-0_6.5.0-0.0.4564106, VMW_bootbank_shim-
libfc-9-2-1-0_6.5.0-0.0.4564106, VMW_bootbank_shim-
libfc-9-2-2-0_6.5.0-0.0.4564106, VMW_bootbank_shim-
libfcoe-9-2-1-0_6.5.0-0.0.4564106, VMW_bootbank_shim-
libfcoe-9-2-2-0_6.5.0-0.0.4564106, VMW_bootbank_shim-
vmklinux-9-2-1-0_6.5.0-0.0.4564106, VMW_bootbank_shim-
vmklinux-9-2-2-0_6.5.0-0.0.4564106, VMW_bootbank_shim-
vmklinux-9-2-3-0_6.5.0-0.0.4564106, VMW_bootbank_uhci-usb-
uhci_1.0-3vmw.650.0.0.4564106, VMW_bootbank_usb-storage-usb-
storage_1.0-3vmw.650.0.0.4564106, VMW_bootbank_usbcore-
usb_1.0-3vmw.650.0.0.4564106, VMW_bootbank_vmkata_0.1-1vmw.650.0.0.4564106,
VMW_bootbank_vmkplexer-vmkplexer_6.5.0-0.0.4564106,
VMW_bootbank_vmkusb_0.1-1vmw.650.0.14.5146846, VMW_bootbank_vmw-
ahci_1.0.0-34vmw.650.0.14.5146846, VMW_bootbank_xhci-
xhci_1.0-3vmw.650.0.0.4564106, VMware_bootbank_cpu-
microcode_6.5.0-0.0.4564106, VMware_bootbank_emulex-esx-
elxnetcli_11.1.28.0-0.0.4564106, VMware_bootbank_esx-dvfilter-generic-
fastpath_6.5.0-0.0.4564106, VMware_bootbank_esx-tboot_6.5.0-0.0.4564106,
VMware_bootbank_esx-xserver_6.5.0-0.0.4564106, VMware_bootbank_lsu-hp-hpsa-
plugin_2.0.0-3vmw.650.0.0.4564106, VMware_bootbank_lsu-lsi-lsi-mr3-
plugin_1.0.0-7vmw.650.0.0.4564106, VMware_bootbank_lsu-lsi-lsi-msgpt3-
plugin_1.0.0-6vmw.650.0.0.4564106, VMware_bootbank_lsu-lsi-megaraid-sas-
plugin_1.0.0-7vmw.650.0.0.4564106, VMware_bootbank_lsu-lsi-mpt2sas-
plugin_2.0.0-5vmw.650.0.0.4564106, VMware_bootbank_native-misc-
drivers_6.5.0-0.0.4564106,
VMware_bootbank_rste_2.0.2.0088-4vmw.650.0.0.4564106,
VMware_bootbank_vmware-esx-esxcli-nvme-plugin_1.2.0.10-0.0.4564106,
VMware_locker_tools-light_6.5.0-0.0.4564106
```

reboot

SSH , SSH

가 .

```
[root@node41:~] esxcli software vib list | grep esx-base
esx-base 6.5.0-0.19.5310538 VMware
VMwareCertified 2017-07-04
```

2

ESXi

```
vim-cmd /hostsvc/maintenance_mode_exit
```

```
[root@esxi:~] esxcli software profile update -d
https://hostupdate.vmware.com/software/VUM/PRODUCTION/main/vmw-depot-index.xml
-p ESXi-6.7.0-20180704001-standard
[InstallationError]
Failed updating the bootloader: Execution of command
/usr/lib/vmware/bootloader-installer/install-bootloader failed: non-zero
code returned
return code: 1
output: ERROR: ld.so: object '/lib/libMallocArenaFix.so' from LD_PRELOAD
cannot be preloaded: ignored.
Traceback (most recent call last):
  File "/usr/lib/vmware/bootloader-installer/install-bootloader", line 31,
in <module>
    import vmkctl
MemoryError
  vibs = VMware_bootbank_esx-base_6.7.0-0.17.9214924
Please refer to the log file for more details.
```

```
[root@esxi:~] esxcli software profile update -d
https://hostupdate.vmware.com/software/VUM/PRODUCTION/main/vmw-depot-index.xml
-p "ESXi-6.7.0-20181004001-standard"
[InstallationError]
[Errno 28] No space left on device
  vibs = VMware_locker_tools-light_10.2.1.8267844-8941472
Please refer to the log file for more details.
```

```
)          .      (    >    >          )          . (
)
•
•
•
•
```

esxi - 관리

시스템

하드웨어

라이선싱

패키지

서비스

보안 및 사용자

고급 설정

자동 시작

스왑

시간 및 날짜

설정 편집

새로 고침

사용	예
데이터스토어	DATA1T
호스트 캐시	예
로컬 스왑	예

가

```
[root@esxi:~] esxcli software profile update -d
https://hostupdate.vmware.com/software/VUM/PRODUCTION/main/vmw-depot-index.x
ml -p "ESXi-6.7.0-20191204001-standard"
[InstallationError]
[Errno 28] No space left on device
      vibs = VMware_locker_tools-light_11.0.1.14773994-15160134
Please refer to the log file for more details.
[root@esxi:~]
```

```
ESXi-6.7.0-20191204001-no-tools
VMware_locker_tools-light_11.0.1.14773994-15160134
가 vib
```

```
[root@esxi:~] esxcli software profile update -d
https://hostupdate.vmware.com/software/VUM/PRODUCTION/main/vmw-depot-index.x
ml -p "ESXi-6.7.0-20191204001-no-tools"

esxcli software vib install -v
https://hostupdate.vmware.com/software/VUM/PRODUCTION/main/esx/vmw/vib20/too
ls-light/VMware_locker_tools-light_11.0.1.14773994-15160134.vib
```

```
esxcli software vib install -d
"/vmfs/volumes/Datastore/DirectoryName/PatchName.zip"
```

- <https://www.eknori.de/2019-09-01/esxi-6-7-update-no-space-left-on-device/>
- <https://www.mynotes.kr/esxi-6-7-update-errno-28-no-space-left-on-device/>

From:

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