

oVirt

에이... 더러워서....

2년 전 버전 써야겠다.

와... 버그 진짜 많은거...

- Window
- Red Hat Hyperconverged Infrastructure 배포 Red Hat Hyperconverged Infrastructure 1.0 | Red Hat Customer Portal
- Installing Red Hat Virtualization as a standalone Manager with local databases Red Hat Virtualization 4.4 | Red Hat Customer Portal
- Oracle® Linux Virtualization Manager 시작 설명서
- Administration Guide Red Hat Gluster Storage 3.5 | Red Hat Customer Portal
- 8.0 릴리스 노트 Red Hat Enterprise Linux 8 | Red Hat Customer Portal
- Unable to install oVirt and Gluster Hyperconverged - Users - Ovirt List Archives
- PowerPoint 프레젠테이션
- https://www.youtube.com/watch?v=z6y9PffA-Ig&ab_channel=HeikkiKoivisto
- <https://www.web-workers.ch/index.php/2020/07/24/how-to-remove-all-partitions-data-on-a-disk/>
- <https://lists.ovirt.org/archives/list/users@ovirt.org/thread/4LGBUOEBV7YNESM7N2TJSXOC4ERN3W23/>
- <https://docs.oracle.com/en/virtualization/oracle-linux-virtualization-manager/ko/getstart/he-deploy-gluster.html>
- https://access.redhat.com/documentation/en-us/red_hat_hyperconverged_infrastructure_for_virtualization/1.0/html/deploying_red_hat_hyperconverged_infrastructure/

<https://www.ovirt.org/develop/release-management/features/integration/ovirtappliance.html>

`engine-setup --offline --config-append=ovirt-engine-answers`

FQDN 추가

https://access.redhat.com/documentation/ko-kr/red_hat_virtualization/4.1/html/installation_guide/connecting_to_the_administration_portal

https://at1.kr/dokuwiki/doku.php/internal_user_management

Vdsm is throwing an exception when parsing the XML from the gluster volume info when using the latest gluster version 10.

[ovirt-users] [IMPORTANT] Upgrade to postgresql-jdbc-42.2.14-1 breaks oVirt Engine 4.4/4.5

<https://lists.ovirt.org/archives/list/users@ovirt.org/message/SBCWNXLFLJBKTA3TFJARE7QCYZQ6QMMH/>

```
# systemctl enable --now chronyd

# cat /etc/hosts
192.168.16.7    n1.ovirt.local
192.168.16.8    n2.ovirt.local
192.168.16.9    n3.ovirt.local
...
192.168.16.16   engine.ovirt.local

## at n1.ovirt.local
# ssh-keygen
# ssh-copy-id n1.ovirt.local
# ssh-copy-id n2.ovirt.local
# ssh-copy-id n3.ovirt.local

# lsblk
NAME                                MAJ:MIN RM   SIZE RO TYPE MOUNTPOINT
sda                                  8:0      0 223.6G 0 disk
sda1                                 8:1      0   600M 0 part /boot/efi
sda2                                 8:2      0     1G 0 part /boot
sda3                                 8:3      0   222G 0 part
  onn-pool00_tmeta                   253:0    0     1G 0 lvm
  onn-pool00-tpool                   253:2    0   173G 0 lvm
    onn-ovirt--node--ng--4.5.0.1--0.20220426.0+1 253:3    0   136G 0 lvm /
    onn-pool00                       253:5    0   173G 1 lvm
    onn-home                         253:6    0     1G 0 lvm /home
    onn-tmp                          253:7    0     1G 0 lvm /tmp
    onn-var                          253:8    0     5G 0 lvm /var
    onn-var_crash                    253:9    0    10G 0 lvm /var/crash
    onn-var_log                      253:10   0     8G 0 lvm /var/log
    onn-var_log_audit                253:11   0     2G 0 lvm /var/log/audit
    onn-var_tmp                      253:12   0    10G 0 lvm
  onn-pool00_tdata                   253:1    0   173G 0 lvm
  onn-pool00-tpool                   253:2    0   173G 0 lvm
    onn-ovirt--node--ng--4.5.0.1--0.20220426.0+1 253:3    0   136G 0 lvm /
    onn-pool00                       253:5    0   173G 1 lvm
    onn-home                         253:6    0     1G 0 lvm /home
    onn-tmp                          253:7    0     1G 0 lvm /tmp
    onn-var                          253:8    0     5G 0 lvm /var
    onn-var_crash                    253:9    0    10G 0 lvm /var/crash
    onn-var_log                      253:10   0     8G 0 lvm /var/log
    onn-var_log_audit                253:11   0     2G 0 lvm /var/log/audit
    onn-var_tmp                      253:12   0    10G 0 lvm
  onn-swap                           253:4    0     4G 0 lvm [SWAP]
sdb                                  8:16     0   3.5T 0 disk
sdb1                                 8:17     0   100G 0 part /gluster_bricks/engine
sdb2                                 8:18     0   3.4T 0 part /gluster_bricks/vmstore

mkdir -p /gluster_bricks/{engine,vmstore,data}
rm -rf /gluster_bricks/engine/engine /gluster_bricks/vmstore/vmstore

# gluster volume create engine replica 3 n1.ovirt.local:/gluster_bricks/engine/engine n2.ovirt.local:
/gluster_bricks/engine/engine n3.ovirt.local:/gluster_bricks/engine/engine;

# gluster volume create vmstore replica 3 n1.ovirt.local:/gluster_bricks/vmstore/vmstore n2.ovirt.local:
/gluster_bricks/vmstore/vmstore n3.ovirt.local:/gluster_bricks/vmstore/vmstore

gluster volume info
```

```
[root@n1 ]# gluster volume info

Volume Name: engine
Type: Replicate
Volume ID: 2528d980-6bbd-474e-a0c9-032e36fa5633
Status: Created
Snapshot Count: 0
Number of Bricks: 1 x 3 = 3
Transport-type: tcp
Bricks:
Brick1: n1.ovirt.local:/gluster_bricks/engine/engine
Brick2: n2.ovirt.local:/gluster_bricks/engine/engine
Brick3: n3.ovirt.local:/gluster_bricks/engine/engine
Options Reconfigured:
cluster.granular-entry-heal: on
storage.fips-mode-rchecksum: on
transport.address-family: inet
nfs.disable: on
performance.client-io-threads: off

Volume Name: vmstore
Type: Replicate
Volume ID: 87ac4eae-efdc-4edf-9ba0-ab1d56b63ad7
Status: Created
Snapshot Count: 0
Number of Bricks: 1 x 3 = 3
Transport-type: tcp
Bricks:
Brick1: n1.ovirt.local:/gluster_bricks/vmstore/vmstore
Brick2: n2.ovirt.local:/gluster_bricks/vmstore/vmstore
Brick3: n3.ovirt.local:/gluster_bricks/vmstore/vmstore
Options Reconfigured:
cluster.granular-entry-heal: on
storage.fips-mode-rchecksum: on
transport.address-family: inet
nfs.disable: on
performance.client-io-threads: off
```

```
[root@n1 /]# tree /var/lib/glusterd/
/var/lib/glusterd/
bitd
events
geo-replication
  gsyncd_template.conf
glusterd.info
glusterd.upgrade
glusterfind
glustershd
groups
  db-workload
  distributed-virt
  gluster-block
  metadata-cache
  nl-cache
  samba
  virt
hooks
  1
    add-brick
      post
        disabled-quota-root-xattr-heal.sh
        S10selinux-label-brick.sh
        S13create-subdir-mounts.sh
      pre
        S28Quota-enable-root-xattr-heal.sh
    create
      post
        S10selinux-label-brick.sh
```

```

    pre
delete
    post
    S57glusterfind-delete-post -> /usr/libexec/glusterfs/glusterfind/S57glusterfind-delete-post.py
    pre
    S10selinux-del-fcontext.sh
gsync-create
    post
    S56glusterd-geo-rep-create-post.sh
    pre
remove-brick
    post
    pre
reset
    post
    pre
set
    post
    S30samba-set.sh
    S32gluster_enable_shared_storage.sh
    pre
start
    post
    S29CTDBsetup.sh
    S30samba-start.sh
    pre
stop
    post
    pre
    S29CTDB-teardown.sh
    S30samba-stop.sh
options
peers
    a9cc83f8-049d-422f-a226-046bedb8f3d8
    e9b9fb96-5f03-4303-a412-f96a1141d406
quotad
scrub
snaps
    missed_snaps_list
ss_brick
vols
    engine
        bricks
            n1.ovirt.local:-gluster_bricks-engine-engine
            n2.ovirt.local:-gluster_bricks-engine-engine
            n3.ovirt.local:-gluster_bricks-engine-engine
        cksum
        engine.gfproxyd.vol
        engine.n1.ovirt.local.gluster_bricks-engine-engine.vol
        engine.n2.ovirt.local.gluster_bricks-engine-engine.vol
        engine.n3.ovirt.local.gluster_bricks-engine-engine.vol
        engine-shd.vol
        engine.tcp-fuse.vol
        info
        node_state.info
        snapd.info
        trusted-engine.tcp-fuse.vol
        trusted-engine.tcp-gfproxy-fuse.vol
    vmstore
        bricks
            n1.ovirt.local:-gluster_bricks-vmstore-vmstore
            n2.ovirt.local:-gluster_bricks-vmstore-vmstore
            n3.ovirt.local:-gluster_bricks-vmstore-vmstore
        cksum
        info
        node_state.info
        snapd.info
        trusted-vmstore.tcp-fuse.vol
        trusted-vmstore.tcp-gfproxy-fuse.vol
        vmstore.gfproxyd.vol
        vmstore.n1.ovirt.local.gluster_bricks-vmstore-vmstore.vol

```

```
vmstore.n2.ovirt.local.gluster_bricks-vmstore-vmstore.vol
vmstore.n3.ovirt.local.gluster_bricks-vmstore-vmstore.vol
vmstore-shd.vol
vmstore.tcp-fuse.vol
```

45 directories, 58 files

hosted engine 만들 때 용량 작다고 나오면...

onn-var_tmp 용량이 작아서 그런거임

```
[root@n1 var]# lsblk
NAME                                MAJ:MIN RM  SIZE RO TYPE MOUNTPOINT
sda                                  8:0    0 223.6G  0 disk
sda1                                 8:1    0   600M  0 part /boot/efi
sda2                                 8:2    0     1G  0 part /boot
sda3                                 8:3    0   222G  0 part
  onn-pool00_tmeta                   253:0    0     1G  0 lvm
  onn-pool00-tpool                   253:2    0   173G  0 lvm
    onn-ovirt--node--ng--4.5.0.1--0.20220426.0+1 253:3    0   136G  0 lvm /
    onn-pool00                       253:5    0   173G  1 lvm
    onn-home                         253:6    0     1G  0 lvm /home
    onn-tmp                          253:7    0     1G  0 lvm /tmp
    onn-var                          253:8    0     5G  0 lvm /var
    onn-var_crash                    253:9    0    10G  0 lvm /var/crash
    onn-var_log                      253:10   0     8G  0 lvm /var/log
    onn-var_log_audit                253:11   0     2G  0 lvm /var/log/audit
    onn-var_tmp                      253:12   0    10G  0 lvm /var/tmp
  onn-pool00_tdata                   253:1    0   173G  0 lvm
  onn-pool00-tpool                   253:2    0   173G  0 lvm
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    onn-pool00                       253:5    0   173G  1 lvm
    onn-home                         253:6    0     1G  0 lvm /home
    onn-tmp                          253:7    0     1G  0 lvm /tmp
    onn-var                          253:8    0     5G  0 lvm /var
    onn-var_crash                    253:9    0    10G  0 lvm /var/crash
    onn-var_log                      253:10   0     8G  0 lvm /var/log
    onn-var_log_audit                253:11   0     2G  0 lvm /var/log/audit
    onn-var_tmp                      253:12   0    10G  0 lvm /var/tmp
onn-swap                             253:4    0     4G  0 lvm [SWAP]
```

```
umount /var/tmp
rm -rf /var/tmp
mkdir /var_tmp
ln -s /var_tmp /var/tmp
```

hosted engine 만들어지는 중에는

virsh 되네

```
[root@n1 /]# virsh list --all
 Id   Name                               State
-----
  1   HostedEngineLocal                 running
```