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# RHEV 3.6 Backup / Restore


— 2016/04/16 01:10

```

Self-Hosted Engine      Maintenance mode
Self Host                Manager VM  maintenance

```

```
hosted-engine --set-maintenance --mode=global
```



RHEV Backup / Restore 3.6 가 , 3.5 가

Manager

```
[root@host]# engine-backup --scope=all --mode=backup --file=BACKUP_FILE --log=LOG_FILE
```

Red Hat Enterprise Virtualization Manager 가  
 Manager 가

1. Red Hat Enterprise Virtualization Manager
2. Red Hat Enterprise Linux
3. Manager 가 Red Hat Enterprise Virtualization Manager
- 4.

## RHEVM

RHEVM

. Self host

maintenance

```
[root@host1 ~]# hosted-engine --set-maintenance --mode=global
```

RHEVM

ovirt-engine

```
[root@host]# service ovirt-engine stop

[root@host]# engine-cleanup

[ INFO ] Stage: Initializing
[ INFO ] Stage: Environment setup
          Configuration files: ['/etc/ovirt-engine-setup.conf.d/10-packaging-wsp.conf', '/etc/ovirt-engine-setup.conf.d/10-packaging.conf', '/etc/ovirt-engine-setup.conf.d/20-setup-ovirt-post.conf']
          Log file: /var/log/ovirt-engine/setup/ovirt-engine-remove-20170208102356-1jfyw3.log
          Version: otopi-1.3.2 (otopi-1.3.2-1.el6ev)
[ INFO ] Stage: Environment packages setup
[ INFO ] Stage: Programs detection
[ INFO ] Stage: Environment customization
          Do you want to remove all components? (Yes, No) [Yes]:
          ---== PRODUCT OPTIONS ===---
          Do you want to remove Engine database content? All data will be lost (Yes, No) [No]: yes
[ INFO ] Stage: Setup validation
          All the installed ovirt components are about to be removed, data will be lost (OK, Cancel) [Cancel]: ok
[ INFO ] Stage: Transaction setup
[ INFO ] Stopping engine service
[ INFO ] Stopping ovirt-fence-kdump-listener service
[ INFO ] Stopping websocket-proxy service
[ INFO ] Stage: Misc configuration
[ INFO ] Stage: Package installation
[ INFO ] Stage: Misc configuration
[ INFO ] Backing up PKI configuration and keys
[ INFO ] Backing up database localhost:engine to '/var/lib/ovirt-engine/backups/engine-20170208102416.PcFb92.dump'.
[ INFO ] Clearing Engine database engine
[ INFO ] Removing files
[ INFO ] Reverting changes to files
[ INFO ] Stage: Transaction commit
[ INFO ] Stage: Closing up
          ---== SUMMARY ===---
          A backup of the Engine database is available at /var/lib/ovirt-engine/backups/engine-20170208102416.PcFb92.dump
          ovirt-engine has been removed
          A backup of PKI configuration and keys is available at
```

```

/var/lib/ovirt-engine/backups/engine-pki-2017020810241520jLvC.tar.gz
    Engine setup successfully cleaned up
    --== END OF SUMMARY ==--
[ INFO ] Stage: Clean up
    Log file is located at /var/log/ovirt-engine/setup/ovirt-engine-
remove-20170208102356-1jfyw3.log
[ INFO ] Generating answer file '/var/lib/ovirt-
engine/setup/answers/20170208102423-cleanup.conf'
[ INFO ] Stage: Pre-termination
[ INFO ] Stage: Termination
[ INFO ] Execution of cleanup completed successfully

```

DB . 가

```

[root@manager ~]# su - postgres -c psql
psql (8.4.20)
Type "help" for help.

postgres=# alter role engine encrypted password 'PASSWORD';
ALTER ROLE
postgres-# \q

```

```

[root@host]# engine-backup --mode=restore --scope=all --file=BACKUP_FILE --
log=LOG_FILE --change-db-credentials --db-host=localhost --db-name=engine --
db-user=engine --db-password --restore-permissions

Enter Engine database password:
Preparing to restore:
- Setting credentials for Engine database 'engine'
- Unpacking file 'rhev_backup'
Restoring:
- Files
- Engine database 'engine'
Rewriting /etc/ovirt-engine/engine.conf.d/10-setup-database.conf
You should now run engine-setup.
Done.

[root@host]# engine-setup

```

가 Manager UI 가 가 /

self-hosted engine

```
[root@host1 ~]# hosted-engine --set-maintenance --mode=none
```

## script

```
#!/bin/bash
# Usage : restore.sh DB_PASS RESTORE_FILE
#

if [ $# -ne 2 ]
then
    echo "Usage : restore.sh <DB_PASS> <RESTORE_FILE>";
    exit 1;
fi

PASSWORD=$1
RESTORE_FILE=$2

##### check daemon
echo "check ovirt-engine daemon..."
service ovirt-engine status
if [ $? -ne 3 ]
then
    echo "Service ovirt-engine is not stopped.";
    echo "Service ovirt-engine daemon MUST stop.";
    echo "Exit";
    exit 1;
fi

engine-cleanup << EOF
yes
ok
ok
EOF

if [ $? -ne 0 ]
then
    echo "engine-cleanup is not completed";
    echo "Exit";
    exit 1;
fi

su - postgres -c psql << EOF
alter role engine encrypted password '$PASSWORD';
\q
```

```

EOF

if [ $? -ne 0 ]
then
    echo "db password is not set";
    echo "Exit";
    exit 1;
fi

engine-backup --mode=restore --scope=all --file=$RESTORE_FILE --
log=restore.log --change-db-credentials --db-host=localhost --db-name=engine
--db-user=engine --db-password=$PASSWORD --restore-permissions

engine-setup << EOF
yes
no
ok
EOF

echo "Restore Done"

```

## - DB Corruption

가 engine-cleanup engine-setup 가 database가  
 .psql 가 database list .

```

[root@host2 ~]# su - postgres -c psql
psql (8.4.20)
Type "help" for help.

postgres=# \l
                                List of databases
  Name          | Owner          | Encoding | Collation |
-----+-----+-----+-----+-----
 engine_20160416011028 | engine_20160416011028 | UTF8     | en_US.UTF-8 |
en_US.UTF-8 |
 engine_20160416011808 | engine_20160416011808 | UTF8     | en_US.UTF-8 |
en_US.UTF-8 |
 postgres          | postgres       | UTF8     | en_US.UTF-8 |
en_US.UTF-8 |
 template0         | postgres       | UTF8     | en_US.UTF-8 |
en_US.UTF-8 | =c/postgres
: postgres=CTc/postgres
 template1         | postgres       | UTF8     | en_US.UTF-8 |
en_US.UTF-8 | =c/postgres
: postgres=CTc/postgres

```

(5 rows)

```
postgres=# drop database engine_20160416011028;
DROP DATABASE
postgres=# drop database engine_20160416011808;
DROP DATABASE
postgres=# \l
```

List of databases

Name	Owner	Encoding	Collation	Ctype	Access privileges
postgres	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
template0	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	=c/postgres
postgres	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	
template1	postgres	UTF8	en_US.UTF-8	en_US.UTF-8	=c/postgres

```
postgres=# \q
```

## - Memory Size

가 . 가 가

engine-setup 가 /var/log/messages 가 .

```
Apr 21 17:02:53 testvm002 2016-04-21 17:02:53,974 ovirt-engine: ERROR
run:532 Error: Cannot detect JBoss version
```

### engine-setup

```
ENGINE_HEAP_MIN="4096M" #
ENGINE_HEAP_MAX="4096M"
```

oVirt

8GB	1964M
32GB	7959M
256GB	64565M



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