

RHEV 3.6 Backup / Restore 1

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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

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

# RHEV 3.5 --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.

```



```

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
Ctype | Name | Access privileges | 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=CtC/postgres
template1 | postgres | UTF8     | en_US.UTF-8 | en_US.UTF-8 | =c/postgres
:
postgres=CtC/postgres
(3 rows)

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

[/etc/ovirt-engine/engine.conf.d/10-setup-java.conf](#)

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

oVirt

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

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