

oVirt 4.3 to 4.4 Upgrade

Deep Dive

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4.4 - (Not) Some minor release

(More like oVirt 5.0)

CentOS/RHEL 8.x

- CentOS/RHEL 8.2+
- No in place upgrade from CentOS/RHEL 7.x

Pre-requisites

- Update oVirt to 4.3
- Data Center and Cluster compatibility level set to 4.2+

Process overview (Standalone)

- Stop the engine service
- Backup the 4.3 engine DB
- Re-Install 4.4 engine on top of CentOS/RHEL 8.2
- Restore the engine DB from backup
- Replace the hosts

Backup the engine DB

```
# engine-backup --scope=all --mode=backup --file=backup.bck --log=backuplog.log
```

```
# systemctl stop ovirt-engine
# time engine-backup --scope=all --mode=backup --file=backup.bck --log=backuplog.log
Start of engine-backup with mode 'backup'
scope: all
archive file: backup.bck
log file: backuplog.log
Backing up:
Notifying engine
- Files
- Engine database 'engine'
- DWH database 'ovirt_engine_history'
Packing into file 'backup.bck'
Notifying engine
Done.

real    0m7.478s
user    0m1.704s
sys     0m1.108s
```

Restore the engine DB

```
# engine-backup --mode=restore --file=backup.bck --log=restore.log --provision-db  
--provision-dwh-db --restore-permissions
```


Run the engine setup

```
# engine-setup
```

Demo

Process overview (Self-Hosted)

- Stop the engine service
- Backup the 4.3 engine DB
- Move to Global Maintenance
- Re-Install 4.4 host based on CentOS/RHEL 8.2
- Restore the engine DB from backup
- Replace the hosts

Backup the engine DB

```
# engine-backup --scope=all --mode=backup --file=backup.bck --log=backuplog.log
```

Restore the engine DB

```
# hosted-engine --deploy --restore-from-file=/root/backup.bck
```

Questions?

- Should I update to 4.3 **latest** first or any 4.3 is OK?
- Is there a rollback?
- What happens to the current VMs?
- How much downtime we can expect?

Thank you

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