

# **Automating RMAN Backup Jobs**

**By Ahmed Baraka**

# Objectives

---

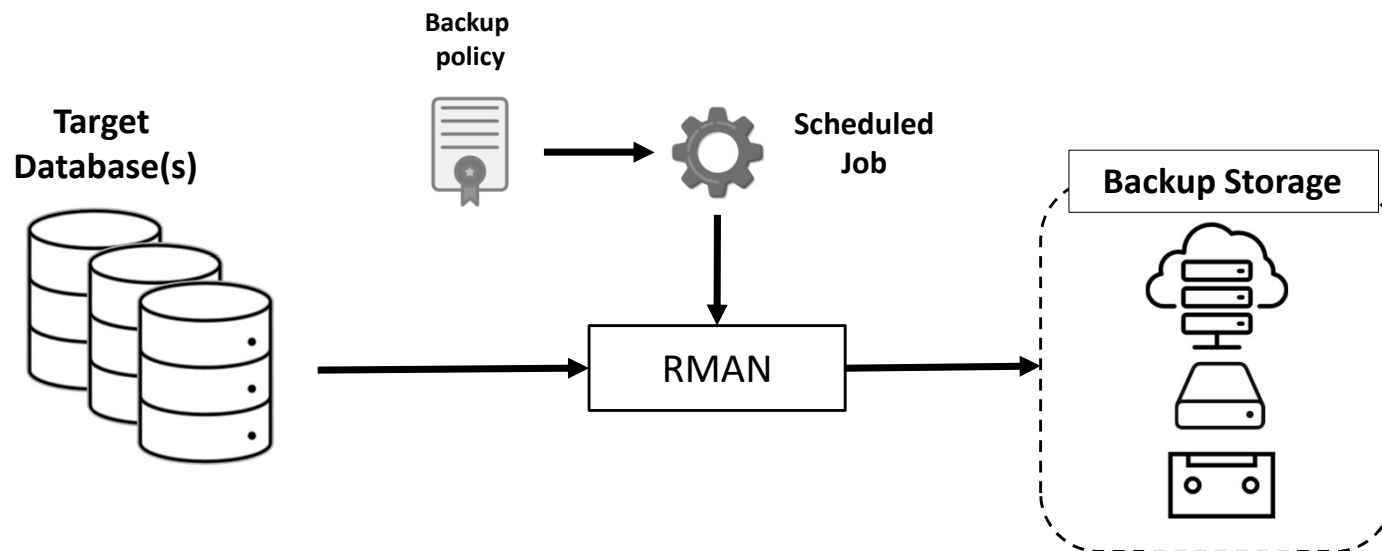
In this lecture, you should learn how to perform the following:

- Automate RMAN backup scripts in Linux and Windows platforms



## Automating Database Backups

---



# About Automating Database Backups

---

- Can be implemented using the standard OS tools or third-party tools
  - **Linux:** crontab
  - **Windows:** Task Scheduler



# Using cron Jobs in Linux

---

- As oracle, submit the following command:

```
crontab -e
```

- vi opens with the crontab entries:

```
* * * * * sh ~/scripts/rman_script0.sh
|   |   |   |   |
|   |   |   |   |
|   |   |   |   | Command or Script to Execute
|   |   |   |   | Day of the Week(0-6)
|   |   |   |   | Month of the Year(1-12)
|   |   |   |   | Day of the Month(1-31)
|   |   |   |   | Hour(0-23)
|   |   |   |   | Min(0-59)
```

- To disable a job, insert the remark character '#' in the beginning

# crontab Entry Examples

---

- At 22:00 on every day-of-week from Monday through Friday:

```
0 22 * * 1-5 sh /home/oracle/scripts/myscript.sh
```

- At 7,8,9,10,11,12,13,14,15,16:00, every day:

```
0 09-16 * * * sh /home/oracle/scripts/myscript.sh
```

- At 4:00 am every Sunday:

```
0 4 * * 0 sh /home/oracle/scripts/myscript.sh
```

- To check on a configuration, visit <https://crontab.guru/>

# RMAN Script Example

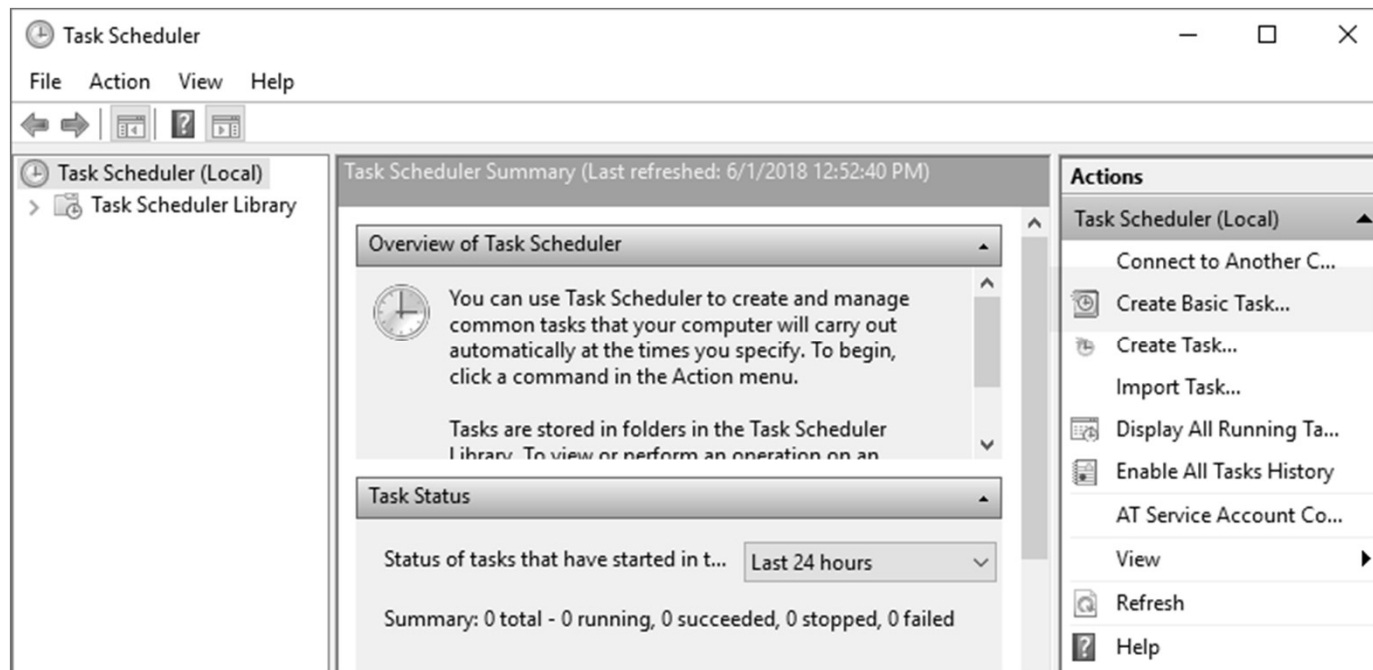
---

```
#!/bin/bash
ORACLE_SID=oradb; export ORACLE_SID
ORACLE_HOME=/u01/app/oracle/product/19.0.0/db_1; export ORACLE_HOME

$ORACLE_HOME/bin/rman log=/u03/backups/oradb/rman0.log append <<EOF
connect target '/ AS SYSBACKUP';
set echo on;
run {
    BACKUP DEVICE TYPE disk
    ...
}
exit;
EOF
```

# Windows Task Scheduler

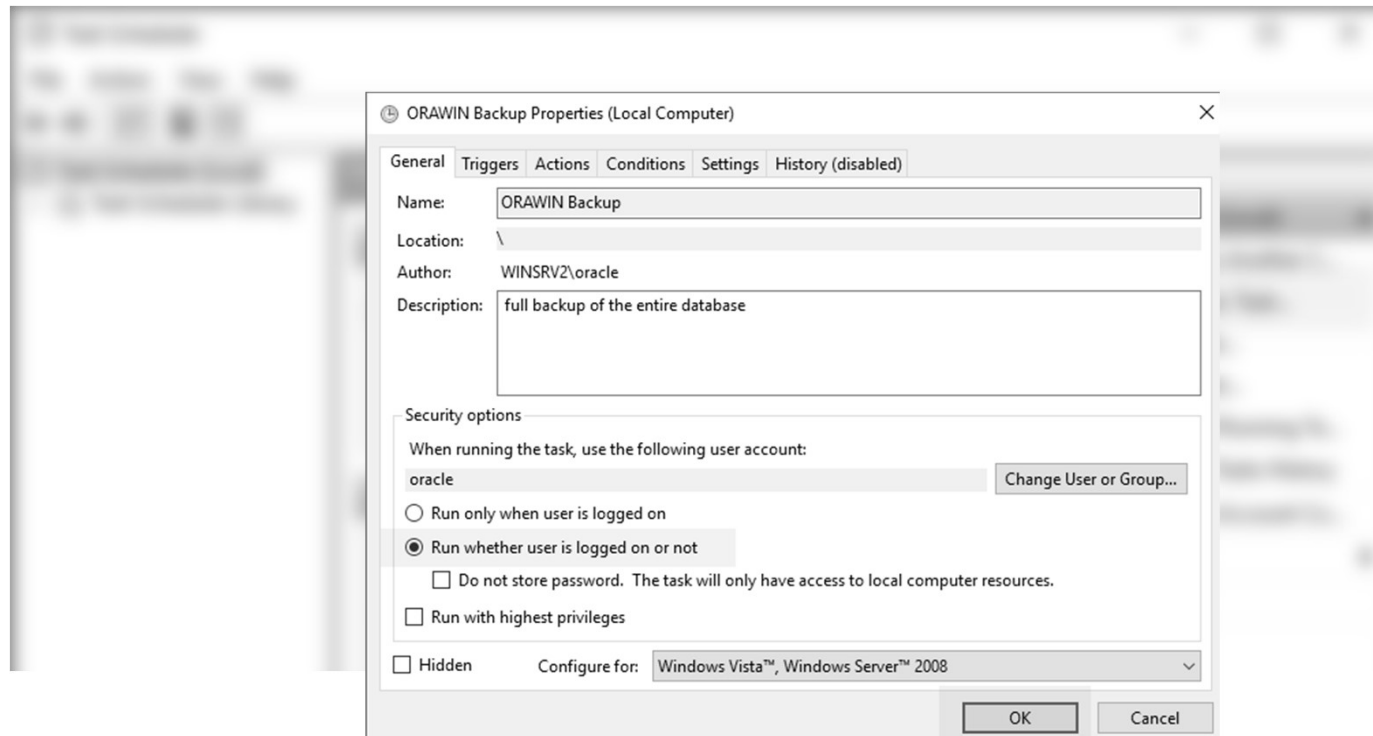
---





# Windows Task Scheduler

---



# Summary

---

In this lecture, you should have learnt how to perform the following:

- Automate RMAN backup scripts in Linux and Windows platforms

