Applying the Principle of Least Privileges

By Ahmed Baraka

Objectives

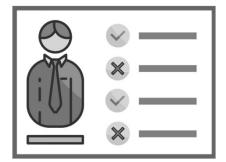
In this lecture, you will learn how to perform the following:

Understand applying the Principle of Least Privileges in Oracle databases

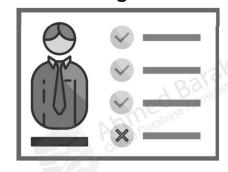


Least Privileges Concept

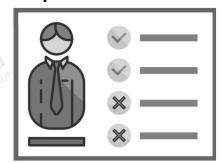




Line Manager



Supervisor



Provide only the privileges required to do the job.

Applying Least Privileges Concept in Oracle Databases

- Make sure 07_DICTIONARY_ACCESSIBILITY is set to FALSE
- Revoke access on UTL_SMTP, UTL_TCP, UTL_HTTP, and UTL_FILE from PUBLIC
- Restrict access to operating system directories
- Restrict access to DBA
- Make sure **REMOTE OS AUTHENT** is set to **FALSE**
- Make sure AUDIT_SYS_OPERATIONS is set to TRUE
- Restrict public database and network links
- If you are part of granting privileges at the application level, grant and revoke requests must be through an approved known mechanism

Summary

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

Understand applying the Principle of Least Privileges in Oracle databases

