

Applying the Principle of Least Privileges

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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



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

