

Licensing Data Recovery Environments

This document provides licensing guidelines for the Oracle programs in various environments. It discusses the licensing policy for Data Recovery environments as well as the licensing metrics that apply in such environments.

Data Recovery methods include four types of environments: Backup, Failover, Standby, and Remote Mirroring.

- **Backup:** In this method, a copy of the physical database structures of the database is made. When the original data is lost, the backup files can be used to reconstruct the lost information that constitutes the Oracle Database. This backup copy includes important parts of the database's physical structures such as control files, redo logs and data files. These physical files can be stored on a server, storage array, disk drive, or Compact Disc.
- **Failover:** In this method, nodes are configured in "clusters" with the first installed node acting as a primary node. If the primary node fails, one of the surviving nodes in the cluster acts as the primary node. In this type of environment, Oracle permits licensed Oracle Database customers to run the Database on an unlicensed spare computer for up to a total of ten separate days in any given calendar year. The above right only applies when a number of machines are arranged in a cluster and share one disk array. Once the primary node is repaired, you must switch back to the primary node. Only one failover node per clustered environment is at no charge for up to ten separate days even if multiple nodes are configured as failover nodes. When licensing options on a failover environment, the options must match the number of licenses of the associated database. Additionally, when licensing by Named User Plus, the user minimums are waived on one failover node only. Any use beyond the right granted in this section must be licensed separately. In a failover environment, the same license metric must be used for the production and failover nodes when licensing a given clustered configuration.
- **Standby:** One or more copies of the primary database are maintained on a separate server(s) at all times. The sites in a standby configuration may be dispersed geographically and are connected by Oracle Net Services. As the primary database is modified, log information generated by the changes are sent to the standby database(s) and subsequently applied to the standby database. If the primary database fails, a standby database can be activated to be the new primary database. In this environment, the primary and the standby databases must be fully licensed. Additionally, the same metric must be used when licensing the databases in a standby environment. If any Option or Management Pack (other than RAC) is licensed on the primary, then it must also be licensed on the Standby servers.
- **Remote Mirroring:** This method involves the mirroring of the storage unit or shared disks arrays. To setup a remote mirroring environment, the Oracle data files, executables, binaries and DLLs are replicated to the mirrored storage unit. In this environment, Oracle must be fully licensed at the primary site, and if it is installed and/or run at the secondary site, it must also be fully licensed there. Additionally, the same metric must be used to license both databases. If any Option or Management Pack (other than RAC) is licensed on the primary, then it must also be licensed on the Remote Mirroring servers.

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