

Checkpoint (CKPT)

Soumis par OCA

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- is responsible for :

- signaling DBWn at checkpoints
- updating datafile headers with checkpoint information
- updating control files with checkpoint information

- in order to :

- ensure that data blocks in memory are written to disk regularly
- reduce the time required for instance recovery (only the part of the online redo logs after the checkpoint)
- ensure that committed data has been written to the data files during shutdown

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A checkpoint occurs every 3 seconds. It is the process of storing data in the control file to identify the place in the online redo log files where recovery is to begin.