

Database Practices Guide
Oracle Banking Payments
Release 14.5.4.0.0
[April 2022]



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1. Introduction

This document contains Oracle Banking Payments-specific Database best practices.

2. Tablespace Layout and Moving Tables to Respective Tablespaces

Oracle Banking Payments Tables and Indexes are placed in Default Tablespace.

Oracle Banking Payments tables and indexes can also be placed in corresponding tablespaces according to their usage. i.e. heavily populated tables and corresponding indexes can be placed in tablespaces with higher extent size whereas the maintenance tables where the data population is less can be placed in a tablespace with smaller extent size. This avoids frequent space allocation in turn improve the performance.

For example, table PMTB_OUT_TXN is heavily populated hence this table and its indexes can be placed in tablespace PMDATA_XL and PMINDXXL respectively where extent size is high.

Setting up of tables and indexes to corresponding tablespace is optional.

The Tablespaces can be as follows:

Tablespace name	Tablespace type	Extent management	Segment space management
PMDATASML	DATA	LOCAL	AUTO
PMINDXSML	INDEX	LOCAL	AUTO
PMDATAMED	DATA	LOCAL	AUTO
PMINDXMED	INDEX	LOCAL	AUTO
PMDATALAR	DATA	LOCAL	AUTO
PMINDXLAR	INDEX	LOCAL	AUTO
PMDATA_XL	DATA	LOCAL	AUTO
PMINDXXL	INDEX	LOCAL	AUTO
PMDFLT	AD HOC	LOCAL	AUTO
PMDATAPARTLAR	DATA	LOCAL	AUTO
PMINDXPARTLAR	INDEX	LOCAL	AUTO

Distribution of tables to tablespace mapping can be found in the excel OBPM-Tablespace-Distribution-19c.xlsx

Sample script to move table and index:

Alter table PMTB_OUT_TXN move tablespace PMDATALAR;

Alter index PMTB_OUT_TXN_IDX2 rebuild tablespace PMINDXLAR;

Similarly, all tables and indexes should be moved to respective tablespaces.



Oracle Banking Payments Product-specific Database Practices Guide
[April] [2022]
Version 14.5.4.0.0

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