

## R4.4 Oracle TDR Patch 4.4.0.2 NON Partitioned Upgrade Instructions

### Files contained in this patch:

File	Rationale
R4.4_Oracle_TDR_patch_4.4.0.2_NON-Partitioned_Upgrade_Instructions.pdf	this file
step_1_alter_transactions_tables.ddl	Modify Transaction tables to support MSG API version 04.04.03.
step_2_alter_vxx_tables.ddl	Drop unused columns in the VXX tables.
step_3_change_yxx_to_ixx.ddl	Rename the FCM_%_YXX tables, columns, and dependent objects ((indexes/constraints) to support the IXX table name and structure.
step_4_create_oxx_tables.ddl	Create new OXX tables and dependent objects (indexes/constraints) as a NON Partitioned table.
step_5_decode_base64_signature.sql	Replaces the existing function DECODE_BASE64_VXX. This function can be used on the VXX, IXX, and OXX tables.
step_6_get_signature.sql	Replaces the GET_VXX function. This script also creates new types SIGNATURE_ROW and SIGNATURE_ROW_TABLE. This script also drops the DECODE_BASE64_VXX, GET_VXX functions, and Types VXX_ROW_TABLE and VXX_ROW.
step_7_new_authorizations.sql	Applies authorizations for new tables and functions.
step_8_dml.sql	Add new version numbers for SAS FM 4.4 M0 HF2 and MSG API 04.04.03.

### Preinstall instructions:

- For new tables, the following tablespaces must be created, or the script step\_4\_create\_oxx\_tables.ddl must be modified to contain valid tablespaces.

Data Tablespaces		
TS_BRST_OXX_32K	TS_CSDP_OXX_32K	TS_MANM_OXX_32K
TS_CCBF_OXX_32K	TS_CSMF_OXX_32K	TS_NAME_OXX_32K
TS_CCCA_OXX_32K	TS_CSNM_OXX_32K	TS_NAMF_OXX_32K
TS_CCCP_OXX_32K	TS_CSSH_OXX_32K	TS_NAMO_OXX_32K
TS_CCDP_OXX_32K	TS_LCBF_OXX_32K	TS_NAMP_OXX_32K
TS_CCMF_OXX_32K	TS_LCCA_OXX_32K	TS_NANM_OXX_32K
TS_CCNM_OXX_32K	TS_LCCK_OXX_32K	TS_SLBF_OXX_32K
TS_CCSH_OXX_32K	TS_LCCP_OXX_32K	TS_SLCA_OXX_32K
TS_CSAB_OXX_32K	TS_LCCW_OXX_32K	TS_SLCK_OXX_32K
TS_CSAE_OXX_32K	TS_LCDP_OXX_32K	TS_SLCP_OXX_32K
TS_CSBF_OXX_32K	TS_LCMF_OXX_32K	TS_SLCW_OXX_32K
TS_CSCA_OXX_32K	TS_LCNM_OXX_32K	TS_SLDP_OXX_32K
TS_CSCK_OXX_32K	TS_LCSH_OXX_32K	TS_SLMF_OXX_32K
TS_CSCP_OXX_32K	TS_MAFM_OXX_32K	TS_SLNM_OXX_32K
TS_CSCW_OXX_32K	TS_MAMF_OXX_32K	TS_SLSH_OXX_32K

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Index Tablespaces		
IX_BRST_OXX_32K	IX_CSDP_OXX_32K	IX_MANM_OXX_32K
IX_CCBF_OXX_32K	IX_CSMF_OXX_32K	IX_NAME_OXX_32K
IX_CCCA_OXX_32K	IX_CSNM_OXX_32K	IX_NAMF_OXX_32K
IX_CCCP_OXX_32K	IX_CSSH_OXX_32K	IX_NAMO_OXX_32K
IX_CCDP_OXX_32K	IX_LCBF_OXX_32K	IX_NAMP_OXX_32K
IX_CCMF_OXX_32K	IX_LCCA_OXX_32K	IX_NANM_OXX_32K
IX_CCNM_OXX_32K	IX_LCCK_OXX_32K	IX_SLBF_OXX_32K
IX_CCSH_OXX_32K	IX_LCCP_OXX_32K	IX_SLCA_OXX_32K
IX_CSAB_OXX_32K	IX_LCCW_OXX_32K	IX_SLCK_OXX_32K
IX_CSAE_OXX_32K	IX_LCDP_OXX_32K	IX_SLCP_OXX_32K
IX_CSBF_OXX_32K	IX_LCMF_OXX_32K	IX_SLCW_OXX_32K
IX_CSCA_OXX_32K	IX_LCNM_OXX_32K	IX_SLDP_OXX_32K
IX_CSCK_OXX_32K	IX_LCSH_OXX_32K	IX_SLMF_OXX_32K
IX_CSCP_OXX_32K	IX_MAFM_OXX_32K	IX_SLNM_OXX_32K
IX_CSCW_OXX_32K	IX_MAMF_OXX_32K	IX_SLSH_OXX_32K

- Backup the TDR database.

### **Post Install instructions:**

- Review all log files for errors

### **Steps to Install the patch:**

- Extract the tar/gunzip the file tdr\_oracle\_base\_upgrade\_4.4.0.2.tar.gz
- cd to the patches directory

```
cd sasfmc/oracle/tdr/patches/patch_4.4.0.2/Non-Partitioned
```

- Run:

```
export ORACLE_SID=<oracle_sid>
sqlplus -S <username>/<password> <<EOF
alter session set current_schema=<schema_owner>;
spool 44m0hf2.log;
@step_1_alter_transactions_tables.ddl
@step_2_alter_vxx_tables.ddl
@step_3_change_yxx_to_ixx.ddl
@step_4_create_oxx_tables.ddl
@step_5_decode_base64_signature.sql
@step_6_get_signature.sql
@step_7_new_authorizations.sql
@step_8_dml.sql
spool off;
commit;
exit;
EOF
```

**\*\*\* Check Log file (44m0hf2.log) for errors \*\*\*\***