

R4.4 DB2 SOR Patch 4.4.0.2 Upgrade Instructions

Files contained in this patch:

File	Rationale
R4.4_DB2_SOR_patch_4.4.0.2_Upgrade_Instructions.pdf	this file
alter_fcm_rule.ddl	Extend the column FCM_RULE.ALERT_REASON to VARCHAR(765). Add new composite Index (NDX1_RULE) on columns TRANSACTION_ID,RULE_ID
alter_fcm_field_definition.ddl	Add new column SAS_DISPLAY_FORMAT. Change column FIELD_DESC_EDIT to allow nulls, and deprecate the columns usage.
alter_fcm_segment_definition.ddl	Add new column BUILD_ID. The BUILD_ID column is used for segments lxx and Oxx, where xx represents the configured segment id. The column represents the last BUILD_ID that the segment definition was deployed.
alter_fmx_tdr_stats.ddl	Add new columns MIN_IXX_RQO_PROC_UTC_DATETIME and MIN_IXX_BUILD_NUM. The columns are used to track the IXX table information for usage within the batch jobs and SAS FM Webapp.
alter_ui_column_definitions.ddl	Add new value, 'INPUT:AUTO', to the existing check constraint CK_UI_COLUMN_DEFINITIONS1, on column COLUMN_DISPLAY_TYPE.
alter_fcm_strategy_analyst_list.ddl	Replace unique index AKX1_STRATEGY_LST as NOT Unique (NDX1_STRATEGY_LST).
alter_fcm_multi_org.ddl	Drop index AKX3_MULTI_ORG
reclassify_alert.sql	Replace existing stored procedure. On Alert Re-Initialization, set the LSTUPDT_NBR=0.
authorizations.sql	New Authorizations to support the Flexible API and Grid Templates.
dml.sql	Add new properties and metadata to support SAS FM 4.4 M0 HF2 and MSG API 04.04.03. Insert the hotfix 4.4 M0 HF2 version number to the FCM_VERSION table.

Preinstall instructions:

- Backup the SOR database.

Post Install instructions:

- Review all log files for errors

Steps to Install the patch:

- Extract the tar/gunzip the file sor_db2_upgrade_4.4.0.2.tar.gz
- cd to the patches directory
`cd sasfmc/db2/sor/patches/patch_4.4.0.2`

- Run:

```
db2 connect to <dbname> user <username>
db2 set current schema <schema_owner>
db2 set current path <schema_owner>,sysibm,sysfun
```

```
#The script to extend the column FCM_RULE.ALERT_REASON to VARCHAR(765). Add new composite Index (NDX1_RULE) on columns TRANSACTION_ID,RULE_ID
```

```
db2 -tvf alter_fcm_rule.ddl > alter_fcm_rule.log
```

```
*** Check Log file for errors ***
```

R4.4 DB2 SOR Patch 4.4.0.2 Upgrade Instructions

Add new column SAS_DISPLAY_FORMAT. Change column FIELD_DESC_EDIT to allow nulls, and deprecate the columns usage

```
db2 -tvf alter_fcm_field_definition.ddl > alter_fcm_field_definition.log
```

*** Check Log file for errors ****

Add new column BUILD_ID. The BUILD_ID column is used for segments lxx and Oxx, where xx represents the configured segment id. The column represents the last BUILD_ID that the segment definition was deployed.

```
db2 -tvf alter_fcm_segment_definition.ddl > alter_fcm_segment_definition.log
```

*** Check Log file for errors ****

Add new columns MIN_IXX_RQO_PROC_UTC_DATETIME and MIN_IXX_BUILD_NUM. The columns are used to track the IXX table information for usage within the batch jobs and SAS FM Webapp

```
db2 -tvf alter_fmx_tdr_stats.ddl > alter_fmx_tdr_stats.log
```

*** Check Log file for errors ****

Add new value, 'INPUT:AUTO', to the existing check constraint CK_UI_COLUMN_DEFINITIONS1, on column COLUMN_DISPLAY_TYPE

```
db2 -tvf alter_ui_column_definitions.ddl > alter_ui_column_definitions.log
```

*** Check Log file for errors ****

Replace Unique Index AKX1_STRATEGY_LST with a NON Unique index NDX1_STRATEGY_LST

```
db2 -tvf alter_fcm_strategy_analyst_list.ddl > alter_fcm_strategy_analyst_list.log
```

*** Check Log file for errors ****

Drop Index AKX3_MULTI_ORG

```
db2 -tvf alter_fcm_multi_org.ddl > alter_fcm_multi_org.log
```

*** Check Log file for errors ****

Replace existing RECLASSIFY_ALERT stored procedure. On Alert Re-Initialization, set the LSTUPDT_NBR=0

```
db2 -td@ -f reclassify_alert.sql > reclassify_alert.log
```

*** Check Log file for errors ****

New Authorizations to support the Flexible API and Grid Templates

```
db2 -tvf authorizations.sql > authorizations.log
```

*** Check Log file for errors ****

The script to add new properties and metadata to support SAS FM 4.4 M0 HF2 and MSG API 04.04.03. Insert the hotfix 4.4 M0 HF2 version number to the FCM_VERSION table.

```
db2 -tvf dml.sql > dml.log
```

*** Check Log file for errors ****