Installation Instructions for Hot Fix F90008

Windows for x64

F90008 is a "container" hot fix that contains the following "member" hot fixes which will update the software components as indicated. See the ***Container Hot Fixes*** section in the [Maintenance Install Tool (MIT) Usage Guide](#) for more information about container hot fixes.

G55006 for **SAS Detail Data Store for Insurance 5.4_M1**
F88008 for **SAS Firmwide Risk Management for Insurance Server 2.1_M1**
F89008 for **SAS Market Risk Management for Insurance Server 2.1_M1**
F03003 for **SAS Risk Dimensions Server Component 5.3_M1**
G61006 for **SAS Risk Management for Insurance Mid-Tier 2.1_M1**
F12009 for **SAS Risk Management for Insurance Server 2.1_M1**
G54006 for **SAS Risk Reporting Repository 1.4_M1**
F92008 for **SAS Underwriting Risk Management for Life Insurance Server 2.1_M1**
F91008 for **SAS Underwriting Risk Management for P&C Insurance Server 2.1_M1**

Before applying this hot fix, follow the instructions in [SAS Note 35968](#) to generate a SAS Deployment Registry report, and then verify that the appropriate product releases are installed on your system. The software components and release numbers should match the list of software components updated by the individual hot fix installers.

IMPORTANT NOTES

1. Files delivered in this hot fix will be backed up during the installation process. However, it is good general practice to back up your system before applying updates to software.

2. When applying this hot fix, the -alwaysoverwrite option should be used. This option causes the hot fix to overwrite files that are currently on your system with the updated hot fix version of those files. ANY customizations that may have been made to files included in the hot fix will be lost. The hot fix installer will automatically back up files for you. After the hot fix has been installed, use the backup copies to merge any of the customizations that you wish to retain. Links to manifests are provided in the section above to assist in determining which files will be overwritten.

3. Take backups of all .spk files prior to importing newer versions or making any updates to the contents of an existing .spk file. This can be done by first logging into the SAS Management Console (SMC) using the Administrator (sasadm) user, navigating to the appropriate folder containing metadata and exporting the folder contents to a uniquely named .spk file.

4. Configurations and related uncompiled macro files for the following reports will be updated as a part of this install:

    ASSETS-D1
    ASSETS-D1Q

ASSETS-D1S
ASSETS-D2O
ASSETS-D2T
ASSETS-D3
ASSETS-D4
ASSETS-D5
ASSETS-D6
BS-C1
BS-C1D
DurLiab
COUNTRY-K1
COVER-A1A
COVER-A1Q
G01
G03
G04
IGT1
IGT2
IGT3
IGT4
Lapses
MCR-B4A
MCR-B4B
OF-B1Q
P&L
RC
RE-J1
RE-J2
RE-J3
RE-SPV
SCR-B2A
SCR-B2A_B2C
SCR-B2B
SCR-B2C
SCR-B3A
SCR-B3B
SCR-B3C
SCR-B3D
SCR-B3E
SCR-B3G
TP-E1
TP-E1Q
TP-E2
TP-E3
TP-E4
TP-E6
TP-E7A
TP-E7B
TP-F1
TP-F1Q
TP-F2

TP-F3A
TP-F3B
TP-F4
VA-C2A
VA-C2B
VA-C2C

The following reports from the above list have been migrated to the CP 11 Final QRT templates by EIOPA:

Assets-D1
Assets-D1Q
Assets-D1S
Assets-D2O
Assets-D2T
Assets-D3
Assets-D4
Assets-D5
Assets-D6
BS-C1
BS-C1D
DurLiab
G01
G03
G04
IGT1
IGT2
IGT3
IGT4
Lapses
MCR-B4A
MCR-B4B
P&L
RC
SCR-B2A
SCR-B2A_B2C
SCR-B3A
SCR-B3C
SCR-B3E
TP-E1
TP-E1Q
TP-F1
TP-F1Q
TP-F2
TP-F3A
TP-F3B
TP-F4
VA-C2B
VA-C2C

The following reports, if already existing on your system will not be available after this install as the reports have been dropped from the CP 11 Final QRT templates by EIOPA. Metadata and configurations for the reports have been removed:

Cover-A1
C2_ANALYSIS_LF
C2_ANALYSIS_NL
C2_SUMMARY
G10
G15
G20
G30
IGT5
IGT6
TP-E5
TP-E7
VA-C2D

Following reports were added / updated in the metadata per CP9 and CP 11 Final EIOPA QRT lists:

Assets-D1Q
Assets-D1S
Assets-D2O
Assets-D2T
Cover-A1A
Cover-A1Q
Duration liabilities
Lapses
Participations
P&L Sharing
SCR_B2A_B2C
TP-E7A
TP-E7B
VA-C2A
VA-C2B
VA-C2C

Stored Process (STP) names and descriptions have been updated in the metadata for a large majority of the reports to align with changes per CP 9 and CP 11 Final EIOPA templates. These updates can be applied to the system by importing reports.spk. Details of the import process are available in the section **Import updated .spk files**.

If you need to retain previous versions of these files, they can be retrieved from backup locations as needed.

5. As part of this install, support for XBRL reporting has been added. In order to support this feature, the following tables and columns have been added to the static directory:

Newly added tables:

XBRL_COMPLEXTYPE
XBRL_COMPLEXTYPE_ENUMERATION
XBRL_DIMENSION
XBRL_FACTELEMENTS
XBRL_FMT
XBRL_REPORT
XBRL_SCHEMA

Columns for the newly added tables:

TABLE NAME	COLUMN NAME
XBRL_COMPLEXTYPE	CONFIG_SET_ID
	VALID_FROM_DTTM
	VALID_TO_DTTM
	BASE_CD
	MAXINCLUSIVE
	MAXLENGTH
	MININCLUSIVE
	NAME_CD
	PATTERN_CD
XBRL_COMPLEXTYPE_ENUMERATION	CONFIG_SET_ID
	VALID_FROM_DTTM
	VALID_TO_DTTM
	NAME_CD
	VALUE_VAR
XBRL_DIMENSION	CONFIG_SET_ID
	VALID_FROM_DTTM
	VALID_TO_DTTM
	DIMENSION_CD
	REPORT_CD
	DIMENSIONTYPE
	FORMAT_CD
	MEMBERTAG
	VARIABLE_CD
	VARIABLESTAG
XBRL_FACTELEMENTS	CONFIG_SET_ID
	VALID_FROM_DTTM
	VALID_TO_DTTM
	BASETYPE_CD
	ELEMENTCODE
	ELEMENTNAME
	PERIODTYPE
	TAXONOMY
	TYPE_CD
XBRL_FMT	CONFIG_SET_ID
	VALID_FROM_DTTM
	VALID_TO_DTTM
	FMTNAME

```
                                          START
                                          REPORT_CD
                                          DATATYPE
                                          DECSEP
                                          DEFAULT
                                          DIG3SEP
                                          EEXCL
                                          END
                                          FILL
                                          FUZZ
                                          HLO
                                          LABEL
                                          LANGUAGE
                                          LENGTH
                                          MAX
                                          MIN
                                          MULT
                                          NOEDIT
                                          PREFIX
                                          SEXCL
                                          TYPE

        XBRL_REPORT                       CONFIG_SET_ID
                                          VALID_FROM_DTTM
                                          VALID_TO_DTTM
                                          DESCRIPTION
                                          REPORT_CD
                                          TEMPLATE_CD
                                          ITEMVAR
                                          VALUEVAR

        XBRL_SCHEMA                       CONFIG_SET_ID
                                          VALID_FROM_DTTM
                                          VALID_TO_DTTM
                                          PREFIX_VAL
                                          REPORT_CD
```

6. You must have Administrator Privileges on your CLIENT or SERVER machine.
7. All currently active SAS sessions, daemons, spawners and servers must be terminated before applying this hot fix.
8. This hot fix should be installed using the same userid that performed the initial software installation.
9. On UNIX systems, you may need to adjust file permissions on all new and updated files to meet with your sites security guidelines.

INSTALLATION

This hot fix must be installed on each machine where the updated components of the product, listed above, are installed. The installation process will determine which components of *SAS Risk Management for Insurance 2.1_M1* are installed on each machine, and apply the appropriate updates.

If the updated components of this product are installed on multiple operating systems, you must download the hot fix for the appropriate operating system(s) and follow the installation instructions provided to complete the deployment of this hot fix.

The installer downloaded is *F90008x6.exe*.

When downloading SAS 9.2 hot fix packages, you must choose to *Save* the hot fix to disk, and then execute the install from the saved location. Attempting to install a hot fix directly from the download page results in the error documented in SAS Note 37104.

- To install this hot fix execute F90008x6.exe using the *-alwaysoverwrite* option.

This will initiate the installation wizard, which will guide you through the hot fix installation process.

Note: If your Windows operating system is Windows Vista, Windows 7 or Windows Server 2008, it may be necessary to "right-click" F90008x6.exe and select *"Run as administrator"*.

See the Maintenance Install Tool (MIT) Usage Guide for more details on the installation of hot fixes.

The content of this hot fix is listed in the hot fix manifest.

This completes the installation of F90008. You must perform any "Post-Installation Instructions" documented below to successfully complete the deployment of this hot fix.

POST-INSTALLATION INSTRUCTIONS

For each product installed, click the link to be redirected to post-installation instructions.

G55006 for **SAS Detail Data Store for Insurance 5.4_M1**
F88008 for **SAS Firmwide Risk Management for Insurance Server 2.1_M1**
F89008 for **SAS Market Risk Management for Insurance Server 2.1_M1**
F03003 for **SAS Risk Dimensions Server Component 5.3_M1**
F12009 for **SAS Risk Management for Insurance Server 2.1_M1**
G54006 for **SAS Risk Reporting Repository 1.4_M1**
F92008 for **SAS Underwriting Risk Management for Life Insurance Server 2.1_M1**
F91008 for SAS Underwriting Risk Management for P&C Insurance Server 2.1_M1
G61006 for SAS Risk Management for Insurance Mid-Tier 2.1_M1

G55006 for SAS Detail Data Store for Insurance 5.4_M1

1. If you have existing DDS physical tables, take a backup of the data in a different location.
2. Following is the summary of the changes in this hot fix:

   Newly added tables:

   ACCOUNTING_TRANS
   ACCOUNTING_TRANS_LINE_ITEM
   ACCOUNT_PERIOD
   ACCOUNT_PERIOD_ASSOC
   ASSET_PORTFOLIO_SEGMENT
   ASSET_PORTFOLIO_SGMNT_X_EXPOSURE
   ASSET_SEGMENT_X_EXPOSURE
   BUSINESS_ENTITY
   CEDED_LOSS
   CLAIMED_INJURED
   CLAIM_UNIT_X_INJURED
   CONTRACT_SECTION_X_RI_CARRIER
   CREDIT_FACILITY_CR_MITIGANT
   CURRENCY_CONVERSION_RATE
   EXPOSURE_PLEDGED
   FRA_INSURMENT_LEG
   GL_SEGMENT_BALANCE
   GL_SEGMENT_PARAMETER
   GL_SEGMENT_PARAM_GROUP
   REINSURANCE_COLLATERAL
   REINSURANCE_CONTRACT
   REINSURANCE_CONTRACT_SECTION
   REINSURANCE_COVERAGE
   REINSURANCE_COVERAGE_REFERENCE
   REINSURANCE_INTERMEDIARY
   REINSURANCE_PROGRAM
   REINSURANCE_RATE
   REINSURANCE_REINSTATEMENT
   RISK_DRIVER

RISK_DRIVER_X_EXPOSURE
RI_TRANS_X_CEDED_LOSS
SUB_LEDGER
SUB_LEDGER_BALANCE
XL_LAYER
XL_LAYER_X_RI_CARRIER

Updated tables:

CEDED_LOSS
CREDIT_FACILITY
EMBEDDED_OPTIONS
FINANCIAL_ACCOUNT
FINANCIAL_INSTRUMENT
FINANCIAL_INSTRUMENT_CHNG
FINANCIAL_POSITION
FUND_INSTRUMENT
PHYSICAL_ASSET
SECURITIZATION_POOL

Newly added columns:

Table Name	Column Name
ASSET_SEGMENT_X_EXPOSURE	FINANCIAL_POSITION_RK
BONDED_INSTRUMENT	PRINCIPAL_EXCHANGE_FLG
	CONVERTIBLE_FLG
BUSINESS_ENTITY	BUSINESS_ENTITY_DESC
	BUSINESS_ENTITY_ID
	EFFECTIVE_FROM_DTTM
	EFFECTIVE_TO_DTTM
	INTERNAL_ORG_RK
	PROCESSED_DTTM
	VALID_FROM_DTTM
	VALID_TO_DTTM
CEDED_LOSS	CEDED_LOSS_AMT_CHANGE_DTTM
COMML_PROP_DETAILS	APPLICATION_RK
COMML_VEHICLE_DETAILS	CEDED_LOSS
CLAIM_UNIT	CLAIM_UNIT_CURRENCY_CD
	RECOVERY_ESTIMATED_AMT
	RECOVERY_RECEIVED_AMT
	APPLICATION_RK
COUNTERPARTY	MIN_CAPITAL_REQ_FLG
CONVERSION_SCHEDULE	VALID_FROM_DTTM
	VALID_TO_DTTM
COVERED_PERILS	PERIL_RK

FINANCIAL_ACCOUNT	PAYMENT_DAY_OF_MONTH_NO
	PREPMT_PSA_SPEED_RT
	INT_PAYMENT_DAY_OF_MONTH_NO
	RESET_DAY_OF_MONTH_NO
FINANCIAL_INSTRUMENT	PAYMENT_DAY_OF_MONTH_NO
	INT_PAYMENT_DAY_OF_MONTH_NO
	RESET_DAY_OF_MONTH_NO
FINANCIAL_INSTRUMENT_ASSOC	PHYSICAL_ASSET_RK
FINANCIAL_POSITION	CUSTODIAN_COUNTERPARTY_RK
GENERAL_UNIT_OF_EXPOSURE	UNDERWRITING_MODEL_AMT
	UNDERWRITING_MODEL_TYPE_CD
GL_ACCOUNT	CONTROL_ACCOUNT_FLG
GL_ACCOUNT_BALANCE	ACCOUNT_PERIOD_RK
	AS_OF_DATE
	GL_BALANCE_BASE_CURRENCY_CD
	GL_BALANCE_REPT_CURRENCY_CD
	REPORTING_METHOD_CD
GL_JRNL	REVERSAL_DESC
	EVERSAL_REASON_CD
	REVERSED_GL_JRNL_ID
GL_JRNL_DETAILS	ACCOUNT_PERIOD_RK
GL_SEGMENT_PARAM_GROUP	GL_SEGMENT_GROUP_DESC
GL_SEGMENT_PARAMETER	PARAMETER_DESC
LEGAL_PROT_INSURED_SUBJECT	APPLICATION_RK
LIABILITY_INSURED_SUBJECT	APPLICATION_RK
PERIL	PERIL_RK
	VALID_FROM_DTTM
	VALID_TO_DTTM
PERS_PROP_DETAILS	APPLICATION_RK
PERS_VEHICLE_DETAILS	APPLICATION_RK
REINSURANCE_CARRIER	PARTICIPATION_LIMIT_AMT
	RI_CARRIER_RK
	RI_CARRIER_TYPE_CD
	RI_NETWORK_ID
REINSURANCE_COLLATERAL	EFFECTIVE_DTTM
	EXPIRATION_DTTM
REINSURANCE_CONTRACT_SECTION	GROSS_RETENTION_PCT

REINSURANCE_EXPOSURE	CEDING_COMMISSION_AMT
	RI_AMT_SHARE
	RI_CONTRACT_SECTION_RK
	RI_EXP_EFFECTIVE_DT
	RI_EXP_EXPIRATION_DT
REINSURANCE_TRANS	RI_CONTRACT_RK
	RI_CONTRACT_SECTION_RK
	RI_REINSTATEMENT_RK
	XL_LAYER_RK
REINSURANCE_TRANS_LINE_ITEM	LINE_ITEM_TRANS_AMT
	RI_CONTRACT_RK
	RI_CONTRACT_SECTION_RK
RF_CURVE_X_RF_GROUP	VALID_FROM_DTTM
	VALID_TO_DTTM
RI_TRANS_X_RI_EXPOSURE	RI_CONTRACT_RK
	RI_EXP_TRANS_AMT
RISK_FACTOR	VALID_FROM_DTTM
	VALID_TO_DTTM
RISK_FACTOR_CURVE	VALID_FROM_DTTM
	VALID_TO_DTTM
RISK_FACTOR_GROUP	VALID_FROM_DTTM
	VALID_TO_DTTM
RSK_FCTR_X_ANAL_MDL_TRANS_METH	VALID_FROM_DTTM
	VALID_TO_DTTM
RISK_FACTOR_X_RISK_FCTR_CURVE	VALID_FROM_DTTM
	VALID_TO_DTTM
SECURITIZATION_POOL	RESECURITIZATION_FLG
SUB_LEDGER	AS_OF_DT
SWAP_INSTRUMENT_LEG	PAYMENT_DAY_OF_MONTH_NO
	INT_PAYMENT_DAY_OF_MONTH_NO
	RESET_DAY_OF_MONTH_NO
TECHNICAL_INSURED_SUBJECT	APPLICATION_RK
OTHER_INSURED_SUBJECT	APPLICATION_RK
XL_LAYER	CAP_RANGE_1_AMT_TYPE_CD
	CAP_RANGE_2_AMT_TYPE_CD
	DEDUCTIBLE_1_AMT
	DEDUCTIBLE_2_AMT
	LIMIT_1_AMT
	LIMIT_2_AMT

Renamed Columns:

The column ASSET_PORTFOLIO_X_EXPOSURE__RK from ASSET_PORTFOLIO_SGMNT_X_EXPOSURE table had a typo. It has been renamed to ASSET_PORTFOLIO_X_EXPOSURE_RK.

Deprecated tables and columns:

A few tables and columns have been deprecated from previous versions. They will be removed physically in the future. The comment for such objects has been updated to "DEPRECATED" and can be used to know if the table or column is deprecated.

Table Name	Column Name
ASSET_SEGMENT_X_EXPOSURE	FINANCIAL_INSTRUMENT_RK
BOND_VOLATILITY_QUOTE	TERM_CD
COMMODITY_VOLATILITY_QUOTE	TERM_CD
CREDIT_SPREAD_QUOTE	TERM_CD
FX_FORWARD_QUOTE	TERM_CD
FX_VOLATILITY_QUOTE	TERM_CD
INDEX_VOLATILITY_QUOTE	TERM_CD
INTEREST_RATE_QUOTE	TERM_CD
PHYSICAL_ASSET_QUOTE	TERM_CD
INT_RATE_VOLATILITY_QUOTE	TERM_CD UNDERLYING_TERM_CD
REINSURANCE_COLLATERAL	EFFECTIVE_DT EXPIRATION_DT

Columns with changed attributes:

Table Name	Column Name
ACCOUNT_PERIOD_ASSOC	ORDER_NO
CEDED_LOSS	CEDED_LAE_CASE_RESERVE_AMT CEDED_PAID_LAE_AMT
CURRENCY_CONVERSION_RATE	CONVERSION_RT
EXTERNAL_ORG	NAICS_CD SIC_CD

FINANCIAL_INSTRUMENT	FINANCIAL_INSTRUMENT_NM
FUND_INSTRUMENT	LEVEL_OF_LOOKTHROUGH_CD
INDEX_QUOTE	INDEX_CD
INTERNAL_ORG	NAICS_CD SIC_CD
MARKET_DATA	DATA_DTTM
REINSURANCE_CONTRACT	CEDENTS_CONTRACT_ID
REINSURANCE_CONTRACT_SECTION	MAX_COVER_PER_RISK_EVENT
RISK_FACTOR_X_RISK_FCTR_CURVE	VALID_TO_DTTM
RSK_FCTR_X_ANAL_MDL_TRANS_METH	CURR_NUM_UNITS
UNIT_OF_MEASURE	UOM_TYPE_DESC

3. If you already have existing DDS physical tables, execute the ddls of the tables that have undergone changes as mentioned in point 2 above from the *<SASHOME>/SASFoundation/9.2/insurancedds/sasmisc/insurancedds_5.4M1/ddl/sas* folder.

4. If you do not have existing DDS physical tables, execute the *ddlgen.sas* file present in *<SASHOME>/SASFoundation/9.2/insurancedds/sasmisc/insurancedds_5.4M1/ddl/sas* folder.

5. If you already have existing DDS physical tables, migrate data for those tables which are updated in this hot fix.

6. Copy the files present in <SASHOME>/SASFoundation/9.2/insurancedds/sasmisc/insurancedds_5.4M1/metadata/ folder to a location that can be accessed by DI studio client.

7. Open DI studio and logon as unrestricted user.

8. If you have existing metadata for DDS, backup the same.

9. If you do not have existing metadata for DDS, import insurancedds_54m1_sas.spk followed by insurancedds_54m1_hf1_sas.spk, insurancedds_54m1_hf2_sas.spk, insurancedds_54m1_hf3_sas.spk, insurancedds_54m1_hf4_sas.spk, and insurancedds_54m1_hf5_sas.spk, and insurancedds_54m1_hf6_sas.spk.

   Note that before importing the insurancedds_54m1_hf2_sas.spk, please delete the table SCHEDULE_X_TREATY from the destination metadata server using DI Studio from the folder /Products/SAS Detail Data Store For Insurance/DDS5.4_M1/01] INSURANCE PRODUCT.

10. If you have existing metadata for DDS hot fix1, 2, 3, 4 and 5 on top of 5.4M1, import *insurancedds_54m1_hf6_sas.spk*.

Notes:

a. Table ASSET_PORTFOLIO_SGMNT_X_EXPOSURE has been renamed to ASSET_SEGMENT_X_EXPOSURE. The data if existing in the original table needs to be migrated to the newly created table. Please note that the column ASSET_PORTFOLIO_X_EXPOSURE_RK in the original table is represented as ASSET_SEGMENT_X_EXPOSURE_RK in the new table.

b. Once all hot fixes have been installed, execute the below code in DI Studio to delete the metadata for the physically removed tables/columns. The code below will synchronize table/column metadata as per physical table structures.

In DI Studio, start the code editor from "Tools" menu and execute below code with appropriate values of parameters:

```
Options metapass="<password for metadata user>"
        metaport=<port number>
        metaprotocol=bridge
        metarepository="foundation"
        metaserver="<metadata server>"
        metauser="<metadata user id>";

    proc metalib;
        omr (library="Detail Data Store" repname="foundation");
        update_rule (delete);
        report;
    run;
```

For detailed instructions on creating physical table and importing metadata, please refer to *SAS® Detail Data Store for Insurance 5.4 Second Edition*.

F88008 for SAS Firmwide Risk Management for Insurance Server 2.1_M1

NONE

F89008 for SAS Market Risk Management for Insurance Server 2.1_M1

NONE

F03003 for SAS Risk Dimensions Server Component 5.3_M1

NONE

F12009 for SAS Risk Management for Insurance Server 2.1_M1

Import updated *.spk* files:

1. Backup existing metadata.

2. Import delivered SPK files using SAS MC Import/Export SAS Package wizard

    a. **The following analytical STPs have been deprecated:**

    - ASSET_VALUATION_HSLT_SCEN
    - HEALTH_CAT_SOLVENCY
    - HNSLT SOLVENCY
    - HSLT_SOLVENCY
    - HSLT_VALUATION_SCEN_LF
    - HEALTH_SCR

    If any of the above analytical STPs exist in your installation or were imported during a previous hotfix install, they will need to be manually removed by executing the following steps:

    i. Login to SAS Management Console (SMC) as the Administrator (sasadm) user
    ii. Click on the Folders tab
    iii. Navigate to the folder *Analysis* under System -> Applications -> SAS Risk Management for Insurance -> Firmwide Risk Server 2.1
    iv. Select the analytical STPs listed above and delete.

    b. **Import updated *analysis.spk* for Firmwide Risk Server 2.1**

    i. Login to SAS Management Console (SMC) as the Administrator (sasadm) user
    ii. Click on the Folders tab
    iii. Navigate to the folder *Analysis* under System -> Applications -> SAS Risk Management for Insurance -> Firmwide Risk Server 2.1
    iv. Right-click on the *Analysis* folder and select **Import SAS Package** from the menu
    v. Browse to *<SASHOME>/SASFoundation/9.2/rmifirmmva/sasmisc/Config/Deployment/Packages* and select the *analysis.spk* file.
    vi. Select the radio button for **New Objects Only** and click Next

    You should see the following STPs in the window if not already imported in a prior hotfix install. Click Next and then Next again.

    - NLIFE_LOSS_TRIANGLE
    - HEALTH_SOLVENCY

- FIRMWIDE_MCR

vii. Ensure that you have the correct mappings for the SAS Application Servers. Click Next.

viii. On this screen, map source code repositories between original and target application servers. Choose the path to the <SASHOME>\SASFoundation\9.2\rmifirmmva\sasstp folder. Click Next.

ix. Review the Summary information and click Next if correct. Otherwise, click on the Back buttons to make necessary corrections in earlier steps.

x. The next screen should show that the import was completed. Click the View Log button and scan the log for any errors. If the import was successful, you should see messages such as the below in the log:

> Create 1 Stored process objects:
> 1. /System/Applications/SAS Risk Management for Insurance/Firmwide Risk Server2.1/Analysis/NLIFE_LOSS_TRIANGLE

xi. Click Ok and then Finish.

xii. You should now see the newly created STP(s) in the Analysis Folder.

c. **Import updated *analysis.spk* for Life Risk Server 2.1** (you can skip this step if already performed while installing F90006)

i. Login to SAS Management Console (SMC) as the Administrator (sasadm) user

ii. Click on the Folders tab

iii. Navigate to the folder Analysis under System -> Applications -> SAS Risk Management for Insurance -> Firmwide Risk Server 2.1

iv. Right-click on the Analysis folder and select Import SAS Package from the menu

v. Browse to <SASHOME>/SASFoundation/9.2/rmilifemva/sasmisc/Config/Deployment/Packages and select the analysis.spk file.

vi. Select the radio button for **New Objects Only** and click Next

You should see the following STPs in the window if not already imported in a prior hotfix install. Click Next and then Next again.

- SLTH_SOLVENCY

vii. Ensure that you have the correct mappings for the SAS Application Servers. Click Next.

viii. On this screen, map source code repositories between original and target application servers. Choose the path to the <SASHOME>\SASFoundation\9.2\rmilifemva\sasstp folder. Click Next.

ix. Review the Summary information and click Next if correct. Otherwise, click on the Back buttons to make necessary corrections in earlier steps.

x. The next screen should show that the import was completed. Click the View Log button and scan the log for any errors. If the import was successful, you should see messages such as the below in the log:

> Create 1 Stored process objects:
> 1. /System/Applications/SAS Risk Management for Insurance/Firmwide Risk Server2.1/Analysis/SLTH_SOLVENCY

xi. Click Ok and then Finish.
xii. You should now see the newly created STP(s) in the Analysis Folder.

d. Import updated *analysis.spk* for Property Casual Risk Server 2.1 (you can skip this step if already performed while installing F90006)

i. Login to SAS Management Console (SMC) as the Administrator (sasadm) user
ii. Click on the Folders tab
iii. Navigate to the folder Analysis under System -> Applications -> SAS Risk Management for Insurance -> Property Casual Risk Server 2.1
iv. Right-click on the Analysis folder and select Import SAS Package from the menu
v. Browse to <SASHOME>/SASFoundation/9.2/rmipcmva/sasmisc/Config/Deployment/Packages and select the analysis.spk file.
vi. Select the radio button for **New Objects Only** and click Next

> You should see the following STPs in the window if not already imported in a prior hotfix install. Click Next and then Next again.

- NSLTH_SOLVENCY

vii. Ensure that you have the correct mappings for the SAS Application Servers. Click Next.
viii. On this screen, map source code repositories between original and target application servers. Choose the path to the <SASHOME>\SASFoundation\9.2\rmilifemva\sasstp folder. Click Next.
ix. Review the Summary information and click Next if correct. Otherwise, click on the Back buttons to make necessary corrections in earlier steps.
x. The next screen should show that the import was completed. Click the View Log button and scan the log for any errors. If the import was successful, you should see messages such as the below in the log:

> Create 1 Stored process objects:
> 1. /System/Applications/SAS Risk Management for Insurance/Firmwide Risk Server2.1/Analysis/NLTH_SOLVENCY

xi. Click Ok and then Finish.

xii. You should now see the newly created STP(s) in the Analysis Folder.

e. Import updated *reports.spk* for the RMI Common Server component

    i. Login to SAS Management Console (SMC) as the Administrator (sasadm) user

    ii. Click on the Folders tab

    iii. Navigate to the folder *Reports* under System -> Applications -> SAS Risk Management for Insurance -> Risk Management for Insurance Server 2.1

    iv. Select all the *Reports*, right-click and select Delete. Ensure that all *Reports* have been deleted from the Reports folder.

    v. Next, right-click on the Reports folder and select **Import SAS Package** from the menu

    vi. Browse to *<SASHOME>/SASFoundation/9.2/rmicomnsvr/sasmisc/Config/Deployment/Packages* and select the *reports.spk* file.

    vii. Select the radio button for **All Objects** and click Next

    viii. You should see a list of *Reports* in the window. Click Next and then Next again.

    ix. Ensure that you have the correct mappings for the SAS Application Servers. Click Next.

    x. On this screen, map source code repositories between original and target application servers. Choose the path to the <SASHOME>\SASFoundation\9.2\rmicomnsvr\sasstp folder. Click Next.

    xi. Review the Summary information and click Next if correct. Otherwise, click on the Back buttons to make necessary corrections in earlier steps.

    xii. The next screen should show that the import was completed. Click the View Log button and scan the log for any errors. If the import was successful, you should see a message such as "The import process completed successfully" in the log.

    xiii. Click Ok and then Finish.

    xiv. If required, selectively import metadata from the backup SPK (refer to Step 1) for only those QRTs that were customized earlier and are not delivered in the hot fix.

f. Import updated *system.spk* for the RMI Common Server component (you can skip this step if already performed while installing F90006)

    i. Click on the Folders tab

    ii. Navigate to the folder System under System -> Applications -> SAS Risk Management for Insurance -> Risk Management for Insurance Server 2.1

    iii. Right-click on the System folder and select Import SAS Package from the menu

    iv. Browse to <SASHOME>/SASFoundation/9.2/rmicomnsvr/sasmisc/Config/Deployment/Packages and select the *system.spk* file.

    v. Select the radio button for **All Objects** and click Next

vi. You should see a list of STPs in the window. Click Next and then Next again.

vii. Ensure that you have the correct mappings for the SAS Application Servers. Click Next.

viii. On this screen, map source code repositories between original and target application servers. Choose the path to the <SASHOME>\SASFoundation\9.2\rmicomnsvr\sasstp folder. Click Next.

ix. Review the Summary information and click Next if correct. Otherwise, click on the Back buttons to make necessary corrections in earlier steps.

x. The next screen should show that the import was completed. Click the View Log button and scan the log for any errors. If the import was successful, you should see a message such as "The import process completed successfully" in the log.

xi. Click Ok and then Finish.

xii. You should now see
1. A new "Job name" parameter in the Parameters tab for the REPORT_OPTIONS STP if you had not installed F90004 or F90005.
2. A new parameter for XBRL generation.

g. **Remove utility STPs for the RMI Common Server component**
You must perform the following steps before importing the new *utilities.spk* for the RMI Common Server component. If not already done as a part of F90006 install, the following STPs in the Utilities folder first need to be removed.

- ACCOUNTING_MEASURES
- RE_J1
- RE_J2
- RE_J3
- TP_E4
- TP_E6
- TP_E7A
- TP_E7B

The reason that these STPs need to be removed is to be able to consolidate them under a new Data Management folder (which will be installed from the *utilities.spk* files) and also because the .sas files they execute have been renamed.

If the STP removal was already performed as a part of F90006 install, skip the following Step (ii) and just delete the folder named **Data Management**. This will automatically delete the contents in the folder. Otherwise, perform the following Step (ii) to first remove the STPs before proceeding to Step h:

To remove the STPs execute the following steps:

i. Login to SAS Management Console (SMC) as the Administrator (sasadm) user

ii. Click on the Folders tab

iii. Navigate to the folder *Utilities* under System -> Applications -> SAS Risk Management for Insurance -> Risk Management for Insurance Server 2.1

iv. Select the analytical STPs listed above and delete.

h. Import updated *utilities.spk* for the RMI Common Server component

i. Click on the Folders tab

ii. Navigate to the folder Utilities under System -> Applications -> SAS Risk Management for Insurance -> Risk Management for Insurance Server 2.1

iii. Right-click on the Utilities folder and select Import SAS Package from the menu

iv. Browse to <SASHOME>/SASFoundation/9.2/rmicomnsvr/sasmisc/Config/Deployment/Packages and select the *utilities.spk* file.

v. Select the radio button for **All Objects** and click Next

vi. You should see a list of STPs in the window. Click Next and then Next again.

vii. Ensure that you have the correct mappings for the SAS Application Servers. Click Next.

viii. On this screen, map source code repositories between original and target application servers. Choose the path to the <SASHOME>\SASFoundation\9.2\rmicomnsvr\sasstp folder. Click Next.

ix. Review the Summary information and click Next if correct. Otherwise, click on the Back buttons to make necessary corrections in earlier steps.

x. The next screen should show that the import was completed. Click the View Log button and scan the log for any errors. If the import was successful, you should see a message such as "The import process completed successfully" in the log:

xi. Click Ok and then Finish.

xii. You should now see the following STPs in the Utilities folder in a new "Data Management" folder containing data management jobs:

- ACCOUNTING_MEASURES
- LOSS_TRIANGLE
- RE_J1
- RE_J2
- RE_J3
- TP_E4
- TP_E6
- TP_E7A
- TP_E7B

i. Import updated *rmi_etl_bridge_m1_hf9.spk* for the RMI Solution Data Mart (SDM) ETL jobs

    i. Following is the summary of the newly added and modified jobs in this hot fix:

Newly added jobs:

- RMI_INT_100_I_ACCOUNT_CREDIT_RISK_MITIGANT
- RMI_INT_100_I_CREDIT_FACILITY_CR_MITIGANT
- RMI_INT_100_I_EXPOSURE_CR_MITIGANT_RANK
- RMI_INT_100_I_FINANCIAL_POSITION_CR_MITIGANT
- RMI_INT_100_I_FRA_INSTRUMENT_LEG
- RMI_INT_100_I_RISK_FACTOR_X_RISK_FCTR_CURVE
- RMI_STG_210_EXPOSURE_CRM_LINK
- RMI_STG_210_GL_BAL_SEGMENT_ATTR_VAR
- RMI_STG_210_GL_BALANCE_SEGMENT
- RMI_STG_210_RATE_PARAM_GROUP_X_PARAMETER
- RMI_STG_210_RI_CONTRACT_COLLATERAL
- RMI_STG_210_SUB_LEDGER
- RMI_STG_210_ENTITY_SYSTEM_IDENTITY
- RMI_STG_210_LINE_OF_BUSINESS_ASSOC
- RMI_STG_230_CAPITAL_ALLOCATION
- RMI_STG_230_CAPITAL_COST

Modified Jobs:

- RMI_INT_100_I_ASSET_SGMNT_X_EXPOSURE
- RMI_INT_100_I_BOND_INSTRUMENT
- RMI_INT_100_I_COUNTERPARTY
- RMI_INT_100_I_CREDIT_CARD_ACCOUNT
- RMI_INT_100_I_CREDIT_FACILITY
- RMI_INT_100_I_EXTERNAL_ORG
- RMI_INT_100_I_FINANCIAL_INSTRUMENT
- RMI_INT_100_I_FINANCIAL_POSITION
- RMI_INT_100_I_FX_FORWARD_QUOTE
- RMI_INT_100_I_FX_VOLATILITY_QUOTE
- RMI_INT_100_I_INT_RATE_VOLATILITY_QUOTE
- RMI_INT_100_I_INTEREST_RATE_QUOTE
- RMI_INT_100_I_PHYSICAL_ASSET
- RMI_INT_100_I_RISK_FACTOR
- RMI_INT_100_I_RISK_FACTOR_X_RISK_FCTR_CURV
- RMI_INT_100_I_SWAP_INSTRUMENT_LEG
- RMI_INT_105_I_FINANCIAL_ACCOUNT
- RMI_INT_110_I_ACCT_POS_INST_FCLTY_APPEND
- RMI_INT_110_I_QUOTE_VOLATILITY
- RMI_STG_210_CEDED_LOSS
- RMI_STG_210_CLAIM_HISTORY
- RMI_STG_210_FUND_INSTRUMENT
- RMI_STG_210_GENERAL_INSURANCE_SUBJECT
- RMI_STG_210_GENERAL_INSURANCE_UOE
- RMI_STG_210_GL_ACCOUNT_ASSOC

- RMI_STG_210_INSURANCE_SEGMENT
- RMI_STG_210_INSURED_ITEM_LOCATION
- RMI_STG_210_LIFE_INSURANCE_POLICY
- RMI_STG_210_SECURITIZATION_POOL_MART
- RMI_STG_210_SUB_LEDGER
- RMI_STG_210_XL_LAYER
- RMI_STG_230_ASSET_SGMNT_X_EXPOSURE
- RMI_STG_230_CASHFLOW_ACCOUNT
- RMI_STG_230_CASHFLOW_ACCOUNT
- RMI_STG_230_CASHFLOW_FRA
- RMI_STG_230_CASHFLOW_INSTRUMENT
- RMI_STG_230_CONVERSION_SCHEDULE
- RMI_STG_230_CONVERTIBLE_BOND_INSTRUMENT
- RMI_STG_230_COUNTERPARTY
- RMI_STG_230_CREDIT_RISK_MITIGANT
- RMI_STG_230_EMBEDDED_OPTIONS
- RMI_STG_230_FINANCIAL_CONTRACT
- RMI_STG_230_FINANCIAL_CONTRACT_ISSUE
- RMI_STG_230_FINANCIAL_EXPOSURE
- RMI_STG_230_GL_ACCOUNT
- RMI_STG_230_OPTION_INSTRUMENT
- RMI_STG_230_OPTION_SCHEDULE
- RMI_STG_230_QUOTE_FX
- RMI_STG_230_QUOTE_INDEX
- RMI_STG_230_QUOTE_IR
- RMI_STG_230_QUOTE_IR
- RMI_STG_230_QUOTE_VOLATILITY
- RMI_STG_230_QUOTE_VOLATILITY
- RMI_STG_230_RF_CURVE_X_RF_GROUP
- RMI_STG_230_RISK_DRIVER
- RMI_STG_230_RISK_DRIVER_X_FIN_CONTR
- RMI_STG_230_RISK_FACTOR
- RMI_STG_230_RISK_FACTOR_CURVE
- RMI_STG_230_RISK_FACTOR_GROUP
- RMI_STG_230_RISK_FACTOR_X_RISK_FCTR_CURVE
- RMI_STG_230_SWAP_INSTRUMENT

Excluded Jobs: (due to deprecated SDM tables)

- RMI_STG_210_REINSURANCE_TREATY
- RMI_STG_210_COUNTERPARTY_X_RI_TREATY
- RMI_STG_210_CEDED_EXPOSURE
- RMI_STG_210_RATE_PARAM_GROUP

ii.   If you already have existing RMI21.M1 ETL jobs, then import the *rmi_etl_bridge_m1_hf9.spk* file from <SASHOME>/SASFoundation/9.2/SASRiskManagementForInsuranceMidTier/2.1/ETL folder as explained below.

Note: If RMI21.M1 ETL is not existing then first import *rmi_etl_bridge.spk* from the same location.

A. Login to SAS DI Studio as the Administrator (sasadm) user
B. Click on the Folders tab
C. Navigate to the folder Products
D. Right-click on the Products folder and select Import SAS Package from the menu
E. Browse to /SASRiskManagementForInsuranceMidTier/2.1/ETL and select the *rmi_etl_bridge_m1_hf9.spk* file.
F. Select the radio button for All Objects and click Next.
G. Select the objects to Import and click Next
H. Click Next on 'Add metadata connections' Screen
I. Select the target libraries that correspond to original libraries. Click Next
J. Select the target tables that correspond to original tables. Click Next.
K. Ensure that you have the correct mappings for the SAS Application Servers. Click Next.
L. Review the Summary information and click Next.
M. The next screen should show that the import was completed. Click the View Log button and scan the log for any errors. If the import was successful, you should see a message such as "The import process completed successfully" in the log
N. Click Ok and then Finish.
O. Open the Job 'RMI_STG_210_INTERNAL_ORG_ASSOC' present under Products→SAS Risk Management for Insurance→RMI 2.1_M1→Staging Data Mart→Jobs
P. In the RMI_STG_210_INTERNAL_ORG_ASSOC job diagram, right click the work table of Extract 1.
Q. Click Properties.
R. Click Physical Storage tab.
S. Change the Location from 'Job's default library for temporary tables' to 'Standard temporary library (SAS Work)'.
T. Click Ok.
U. Go to File menu, click 'Save' to save the changes.
V. Close the job 'RMI_STG_210_INTERNAL_ORG_ASSOC'.
W. Execute the below code in DI Studio to delete the metadata for physically removed tables/ columns.

The code below will synchronize table/ column metadata as per physical structures.

(Assumption: All DDLs for current hot fix have been executed.)

In DI Studio start the code editor from "Tools" menu and execute below code with appropriate values of parameters.

```
Options metapass="<password for metadata user>"
        metaport=<port number>
        metaprotocol=bridge
        metarepository="foundation"
        metaserver="<metadata server>"
        metauser="<metadata user id>";



proc metalib;
      omr (library="RMI Staging" repname="foundation");
      update_rule (delete noadd);
      report;
run;
```

3. If required, selectively import metadata from the backup SPK (refer to Step 1) for only those QRTs that were customized earlier and are not delivered in the hot fix.

Follow the steps below to regenerate the Solution Data Mart (SDM):

1. Locate the *create_solution_data_mart.sas* file in your install: in a typical install, the macro resides under *<SASHOME>/SASFoundation/9.2/rmicomnsvr/sasmisc/solution_data_mart*

2. Open the *create_solution_data_mart.sas* file in a BASE SAS session on the installation server (where the SAS code resides)

3. Scroll to the bottom of the macro file and comment out the following line:

   ```
   %create_solution_data_mart(
   soln_data_mart_dir=&sysparm,
   fca_c_lib_nm=FINCAD_Suite_32_2011,
   fea_c_lib_nm=intrlib,
   run_tps_fincad_flag=N,
   run_tps_fea_flag=N );
   ```

4. Compile the macro in the SAS session by clicking the **Submit** button on the menu

5. After successful compilation, execute the following macro below:

   %create_solution_data_mart(soln_data_mart_dir=<complete path to *indata* directory in your install>);

   Example of indata path:
   <CONFIGDIR>/AppData/SASRiskManagementForInsurance/2.1/indata

6. Check the SAS log for successful execution of the preceding macro.
   In addition, complete the following to recreate any shared entity data marts and user directories.

7. Delete all user folders found in
   <SASCONFIG>/Lev1/AppData/SASRiskManagementForInsurance/2.1/data/userdata

8. Login to **Risk Management for Insurance 2.1**

9. Select **File > Select Entity**, choose an entity from the list, and click **OK**.

10. Re-create the shared data mart for that entity.

    Select **File > Manage Shared Data Mart** from the menu and click **Delete**, then click **Create** in the same **Manage Shared Data Mart** window.

11. Repeat steps 8 and 9 for each Entity

12. To load sample data in to the private SAS Risk Reporting Repositories, execute the following code in SAS to create sample data with the appropriate information for your installation:

    For example:

    options metauser="<username>" metapass="<Password>"
    metaserver="<server_name>" metaport=<port_number> metarepository="Foundation";
    %rmiinit;
    %rmi_batch_create_rrr_sample_data(ENTITY=MAIN,USERNAME=<username>,S COPE=P);

G54006 for SAS Risk Reporting Repository 1.4_M1

Data model changes have been made to the SAS Risk Reporting Repository. You must update the structures of the private RRR location and Shared location.

There are different ways in which to apply the new structure. Please select one of the following methods that is applicable to your installation(s).

NB: In this release of the SAS Risk Reporting Repository previously marked deprecated tables and/or columns have been removed from the model. The files for these structures may still exist on your installation due to the delivery mechanism; however, code has been added to ignore the pre-existing files when necessary.

NB: If the post-installation tasks for F12006 have been applied, the structures of the Private locations will be automatically updated with the latest reportmart structure for the F120089 post-installation tasks and the subsequent methods are not necessary for applying the data model changes to private RRR locations. The following methods can be applied to both the private and shared locations depending on the state of your installation.

1. Updating via the provided sample data:

If a given reportmart location has not been updated by another process, creating the shipped reportmart sample data in a given location will install the data model changes.

The shipped sample data scripts already contain the updates in the RRR data model/formats. If you would like to utilize the shipped RMI sample data for the RRR without maintaining existing data, create the RRR sample data using the following steps.

Note: The sample data creation script does not depend on the version of the original RRR that is being overwritten. This script will overwrite the existing data and data model. For example, if you are have the RRR 14 m1 version of the RRR and are installing the sixth RRR hotfix, by creating the shipped sample data you do not need to install the "sample data for the previous hotfix". The shipped sample data is a snapshot of the given version.

Submit the following code with your installation specific information. (Note: This has changed from previous releases as you are now required to submit the *rmiinit;* prior to submitting the batch program.)

options metauser="<username>" metapass="<password>" metaserver="<server_name>" metaport=<port_number> metarepository="Foundation";

%rmiinit;
%rmi_batch_create_rrr_sample_data(ENTITY=MAIN,USERNAME=<username>,SCOPE=P);

* If you need to install the reportmart sample data to the Global RRR with the sample data script, you must submit the following code with the additional information and changes:

%let rrr_user=<username>;
%let rrr_password=<Password>;

options metauser="<username>" metapass="<password>" metaserver="<server_name>" metaport=<port_number> metarepository="Foundation";
%rmiinit;
%rmi_batch_create_rrr_sample_data(ENTITY=MAIN,USERNAME=<username>,SCOPE=S);

NOTE: It is <u>not recommended</u> that you use this process on the Global RRR unless you are absolutely certain of your specific installation needs. The script, as shown above, deletes the Global RRR and replaces the location with the new version of the RRR with the shipped sample data ONLY. All data in the Global location will be lost using this process.

2. <u>Updating an existing install with alter/migration scripts:</u>

If you have existing data in your reportmart and wish to only apply the data model changes, execute the specific alter scripts for your given installations:

A. If the reportmart is the RRR14m1 version: execute *%run_rrr14m1_to_rrr14m1hf6*. Follow the instructions to execute this alter script in the PDF document

m1rrr14_to_m1rrr14hf6_instructions.pdf that has been delivered with the alter scripts. These files will be typically located in the following directory:

Win:

<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_6\m1_to_hotfix6

Unix:

<SASHOME>/SASFoundation/9.2/misc/rskrptmrtvrt/alterscripts/hotfix_6/m1_to_hotfix6

B. If the reportmart is the RRR14m1hf1 version: execute *%run_rrr14m1hf1_to_rrr14m1hf6*. Follow the instructions to execute this alter script in the PDF document *m1rrr14hf1_to_m1rrr14hf6_instructions.pdf* that has been delivered with the alter scripts. These files will be typically located in the following directory:

Win:

<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_6\hotfix1_to_hotfix6

Unix:

<SASHOME>/SASFoundation/9.2/misc/rskrptmrtvrt/alterscripts/hotfix_6/hotfix1_to_hotfix6

C. If the reportmart is the RRR14m1hf2 version: execute *%run_rrr14m1hf2_to_rrr14m1hf6*. Follow the instructions to execute this alter script in the PDF document *m1rrr14hf2_to_m1rrr14hf6_instructions.pdf* that has been delivered with the alter scripts. These files will be typically located in the following directory:

Win:

<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_6\hotfix2_to_hotfix6

Unix:

<SASHOME>/SASFoundation/9.2/misc/rskrptmrtvrt/alterscripts/hotfix_6/hotfix2_to_hotfix6

D. If the reportmart is the RRR14m1hf3 version: execute *%run_rrr14m1hf3_to_rrr14m1hf6*. Follow the instructions to execute this alter script in the PDF document *m1rrr14hf3_to_m1rrr14hf6_instructions.pdf* that has been delivered with the alter scripts. These files will be typically located in the following directory:

Win:

<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_6\hotfix3_to_hotfix6

Unix:

<SASHOME>/SASFoundation/9.2/misc/rskrptmrtvrt/alterscripts/hotfix_6/hotfix3_to_hotfix6

E. If the reportmart is the RRR14m1hf4 version: execute *%run_rrr14m1hf4_to_rrr14m1hf6*.
Follow the instructions to execute this alter script in the PDF document
m1rrr14hf4_to_m1rrr14hf6_instructions.pdf that has been delivered with the alter scripts. These
files will be typically located in the following directory:

Win:

<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_6\hotfix4_to_hotfix6

Unix:

<SASHOME>/SASFoundation/9.2/misc/rskrptmrtvrt/alterscripts/hotfix_6/hotfix4_to_hotfix6

F. If the reportmart is the RRR14m1hf5 version: execute *%run_rrr14m1hf5_to_rrr14m1hf6*.
Follow the instructions to execute this alter script in the PDF document
m1rrr14hf5_to_m1rrr14hf6_instructions.pdf that has been delivered with the alter scripts. These
files will be typically located in the following directory:

Win:

<SASHOME>\SASFoundation\9.2\rskrptmrtvrt\sasmisc\alterscripts\hotfix_6\

Unix:

<SASHOME>/SASFoundation/9.2/misc/rskrptmrtvrt/alterscripts/hotfix_6/

3. Installing a new reportmart using the *ddls/createrrr.sas* script:

If you would like to create a new RRR with the new data model, follow the instructions for
installing a clear RRR in the **Installing and Configuring the SAS Risk Reporting Repository**
section in the *SAS Risk Reporting Repository 1.4 Reference Guide, Second Edition*.

F92008 for SAS Underwriting Risk Management for Life Insurance Server 2.1_M1

NONE

F91008 for SAS Underwriting Risk Management for P&C Insurance Server 2.1_M1

NONE

If both F90006 and F90007 have been previously installed, the following steps can be skipped in their entirety.

Re-build and Re-deploy Web Application

Proceed to **Step 3-C: Copy files into the application's deployed ear file** if F90006 has already been installed, otherwise start with **Step 1: Re-build Web Application**.

This hot fix requires that the Web Application be rebuilt and redeployed. Use the following steps to perform this post-installation task:

Step 1: Re-build Web Application

In order for this step to execute correctly, the Metadata Server must be running.

1.1 Invoke the SAS Deployment Manager 9.2

From the SASDeploymentManager directory launch ***config.exe***.
SAS Deployment Manager is installed in the following default location:

<SASHOME>/SASDeploymentManager/9.2

1.2 Select a language in the *Choose Language* box

1.3 Select Rebuild Web Applications

1.4 Select Configuration Directory or Enter the Configuration Directory and Level that needs to be updated

1.5 Specify Connection Information, including the *sasadm* User ID and Password

1.6 Select ***Risk Management for Insurance*** as the Web Application to Rebuild

1.7 Verify the information on the Summary screen and select Start

1.8 Select Finish when the deployment is complete

This process will update the ***Risk Management for Insurance*** ear in
<SASCONFIGDIR>/Web/Staging.
A backup of the original ear file will be placed in the directory below:

<SASCONFIGDIR>/Web/Staging/Backup

Step 2: Re-deploy Web Applications

Re-deploy the web applications based on the instructions for the web application server you are using.

Step 3: Copy files into the application's deployed ear file

Copy files into your application server's deployed EAR for SAS Risk Management for Insurance as follows:

A.   web.xml

From:
<SASHOME>/SASRiskManagementForInsuraceMidTier/2.1/Static/wars/sas.solutions.risk.rmi/WEB-INF/web.xml

To:
sas.solutions.risk.rmi.ear /sas.solutions.risk.rmi.war/WEB-INF/web.xml

B.   app-config.xml

From:
<SASHOME>/SASRiskManagementForInsuraceMidTier/2.1/Static/wars/sas.solutions.risk.rmi/WEB-INF/spring-config/app-config.xml

To:
sas.solutions.risk.rmi.ear /sas.solutions.risk.rmi.war/WEB-INF/spring-config/app-config.xml

C.   rmx-sas-code-bundles.xml

From:
<SASHOME>/SASRiskManagementForInsuraceMidTier/2.1/Static/wars/sas.solutions.risk.rmi/WEB-INF/spring-config/rmx-sas-code-bundles.xml

To: *sas.solutions.risk.rmi.ear/sas.solutions.risk.rmi.war/WEB-INF/spring-config/rmx-sas-code-bundles.xml*

Re-start the application (or the application server) using your application server's admin console.

Before accessing the web application, empty the Temporary Internet files location on the client machine used to access the web application from. This is a precautionary measure to avoid problems due to caching of older files in the internet browser.

This completes the installation of hot fix **F90008** on **Windows for x64**.