

INSTALLATION INSTRUCTIONS FOR HOT FIX 221AML02

LINUX

BEFORE DOWNLOADING:

The hot fix 221AML02 addresses the issue(s) in SAS Anti-Money Laundering 2.2.1 as documented in the "Issue(s) Addressed" section of the hot fix download page:

<http://ftp.sas.com/techsup/download/hotfix/aml221.html#221aml02>

IMPORTANT NOTE(S):

1. You must have SAS Anti-Money Laundering 2.2.1 installed on your system before applying this hot fix.
2. It is always recommended that a backup of the original files be made whenever deploying any patch.
3. You must have Administrator Privileges on your CLIENT or SERVER machine.
4. All currently active SAS sessions, daemons, spawners and servers must be terminated before applying this hot fix, including all SAS/SHARE servers associated with SAS Anti-Money Laundering 2.2.1.
5. The web server must be shut down before applying the updates to the mid-tier.
6. 221AML02 requires Tomcat 5.0.3; it will not work with Tomcat 4.x.

INSTALLATION:

The hot fix package downloaded is a tar file named 221aml02lx.tar.

1. Extract the contents of 221aml02lx.tar to a temporary directory. For example,

```
$ cd /tmp
$ tar -xf 221aml02lx.tar
```

This will create a directory named 221aml02 which contains the files

221amlsvr02lx.tar.Z
contains SAS Anti-Money Laundering 2.2.1 server-side updates

221amlmid02wn.exe
contains SAS Anti-Money Laundering 2.2.1 Java middleware updates
(use this file if mid-tier resides on Windows)

221amlmid02ux.tar
contains SAS Anti-Money Laundering 2.2.1 Java middleware updates
(use this file if mid-tier resides on Unix)

221aml02_SuppCD.zip
contains SAS Anti-Money Laundering 2.2.1 Supplemental CD updates

Each individual hot fix file should be copied to the appropriate machine where the components to be updated are installed.

2. Use the instructions below to update the individual components that are applicable to your implementation.
3. The installation steps that follow must be repeated for each instance of !AMLROOT.

Installing 221amlsvr02lx.tar.Z

In these instructions, the directory where SAS 9.1.3 (9.1 TS1M3) is installed is:

```
/usr/lib/sas913
```

1. Be sure to save a copy of each of the existing files before replacing them with the new ones. The files that should be backed up before continuing are listed in the next step (Step #2).
2. Assuming the compressed tar file is downloaded to the user's HOME directory, follow these procedures to install the package. The setup process will install the updated files to the SAS Anti-Money Laundering 2.2.1 server.

```
$> cd /usr/lib/sas913  
$> uncompress -c $HOME/221amlsvr02lx.tar | tar -xf -
```

The files installed include:

```
!SASROOT/cmacros/antimnylndda/sasmacr.sas7bcac  
  
!SASROOT/samples/antimnylndda/aml.sas  
!SASROOT/samples/antimnylndda/aml_agp.sas  
!SASROOT/samples/antimnylndda/aml_backup.sas  
!SASROOT/samples/antimnylndda/aml_ft.sas  
!SASROOT/samples/antimnylndda/aml_load_core.sas  
!SASROOT/samples/antimnylndda/aml_load_watch_list.sas  
!SASROOT/samples/antimnylndda/aml_nn.sas  
!SASROOT/samples/antimnylndda/aml_prep.sas  
!SASROOT/samples/antimnylndda/aml_rap.sas  
!SASROOT/samples/antimnylndda/aml_rcp.sas  
!SASROOT/samples/antimnylndda/amlerror.sas  
!SASROOT/samples/antimnylndda/analyze_bridge_mysql.sas  
!SASROOT/samples/antimnylndda/analyze_dimension_mysql.sas  
!SASROOT/samples/antimnylndda/analyze_fact_mysql.sas  
!SASROOT/samples/antimnylndda/analyze_kc_mysql.sas
```

!SASROOT/samples/antimnylndda/analyze_sar_mysql.sas
!SASROOT/samples/antimnylndda/autoexec.sas
!SASROOT/samples/antimnylndda/autoexec_common.sas
!SASROOT/samples/antimnylndda/dormant_account_mysql_prep.sas
!SASROOT/samples/antimnylndda/dormant_account_teradata_prep.sas
!SASROOT/samples/antimnylndda/fsk_account_keys_hhd.sas
!SASROOT/samples/antimnylndda/fsk_account_keys_pty.sas
!SASROOT/samples/antimnylndda/fsc_country_dim.sas7bdat
!SASROOT/samples/antimnylndda/fsc_currency_dim.sas7bdat
!SASROOT/samples/antimnylndda/fsk_nn_entity.sas
!SASROOT/samples/antimnylndda/fsk_nn_party.sas
!SASROOT/samples/antimnylndda/fsk_replication_dates.sas
!SASROOT/samples/antimnylndda/fsk_temp_number.sas
!SASROOT/samples/antimnylndda/fsk_ui_column.sas7bdat
!SASROOT/samples/antimnylndda/fsk_ui_table.sas7bdat
!SASROOT/samples/antimnylndda/install.sas
!SASROOT/samples/antimnylndda/install_common.sas
!SASROOT/samples/antimnylndda/postwl_hmt_transform.sas
!SASROOT/samples/antimnylndda/postwl_ofac_transform.sas
!SASROOT/samples/antimnylndda/postwl_osfi_transform.sas
!SASROOT/samples/antimnylndda/postwl_wchk_load.sas
!SASROOT/samples/antimnylndda/postwl_wchk_transform.sas
!SASROOT/samples/antimnylndda/profile_analysis.sas
!SASROOT/samples/antimnylndda/stage_account.sas
!SASROOT/samples/antimnylndda/stage_account_event.sas
!SASROOT/samples/antimnylndda/stage_account_profile.sas
!SASROOT/samples/antimnylndda/stage_associate.sas
!SASROOT/samples/antimnylndda/stage_bank.sas
!SASROOT/samples/antimnylndda/stage_branch.sas
!SASROOT/samples/antimnylndda/stage_cash_flow.sas
!SASROOT/samples/antimnylndda/stage_cash_flow_bank.sas
!SASROOT/samples/antimnylndda/stage_ext_party_account.sas
!SASROOT/samples/antimnylndda/stage_household.sas
!SASROOT/samples/antimnylndda/stage_household_account.sas
!SASROOT/samples/antimnylndda/stage_household_party.sas
!SASROOT/samples/antimnylndda/stage_party.sas
!SASROOT/samples/antimnylndda/stage_party_account.sas
!SASROOT/samples/antimnylndda/stage_party_profile.sas
!SASROOT/samples/antimnylndda/stage_transaction.sas
!SASROOT/samples/antimnylndda/transactions_prep.sas
!SASROOT/samples/antimnylndda/wl_build_ext_party_match_codes.sas
!SASROOT/samples/antimnylndda/wl_build_party_match_codes.sas
!SASROOT/samples/antimnylndda/wl_hmt_extract.sas
!SASROOT/samples/antimnylndda/wl_hmt_load.sas
!SASROOT/samples/antimnylndda/wl_hmt_process.sas
!SASROOT/samples/antimnylndda/wl_hmt_transform.sas
!SASROOT/samples/antimnylndda/wl_ofac_load.sas
!SASROOT/samples/antimnylndda/wl_ofac_process.sas
!SASROOT/samples/antimnylndda/wl_ofac_transform.sas
!SASROOT/samples/antimnylndda/wl_osfi_extract.sas
!SASROOT/samples/antimnylndda/wl_osfi_load.sas
!SASROOT/samples/antimnylndda/wl_osfi_process.sas
!SASROOT/samples/antimnylndda/wl_osfi_transform.sas
!SASROOT/samples/antimnylndda/wl_wchk_extract.sas
!SASROOT/samples/antimnylndda/wl_wchk_load.sas
!SASROOT/samples/antimnylndda/wl_wchk_process.sas

```
!SASROOT/samples/antimnylndda/wl_wchk_transform.sas
!SASROOT/samples/antimnylndda/wl_load_qkb.sas
!SASROOT/samples/antimnylndda/wl_ofac_extract.sas
```

```
!SASROOT/misc/antimnylndda/aml_environment.exe
!SASROOT/misc/antimnylndda/aml_environment.tar
!SASROOT/misc/antimnylndda/fsk_scd2_columns_valid.csv
```

```
!SASROOT/misc/antimnylndda/scenario/scenario_source/SAS10004.sas
!SASROOT/misc/antimnylndda/scenario/scenario_source/SAS10008.sas
```

```
!SASROOT/sashelp/scenarioadmin.sas7bcats
```

3. Execute the script that will update the hot fix installation history file. This script MUST be executed from the !SASROOT directory.

```
$> pwd
    /usr/lib/sas913
$> install/admin/hotfix/histupd_221aml02
```

4. Verify that the hot fix has been applied successfully by confirming that the !SASROOT files listed above have been replaced with newer versions.

5. For a new installation of SAS Anti-Money Laundering 2.2.1 follow the instructions in the Installation Manual Chapter 4. MySQL installations should follow the MySQL Installation Addendum Manual.

6. For existing installations make a backup of all files in the following directories:

```
!AMLROOT/custom/source
!AMLROOT/custom/source/prep_files
!AMLROOT/reports/xml
!AMLROOT/scenario/scenario_source
!AMLROOT/scenario/scenario_code_active
!AMLROOT/scenario/header_source
!AMLROOT/scenario/header_code_active
```

Copy and update the following file:

```
!SASROOT/samples/antimnylndda/autoexec.sas
```

to

```
!AMLROOT/custom/config
```

Copy and rename the appropriate language files for your installation

```
!SASROOT/misc/antimnylndda/notify_manager_messages.sas
!SASROOT/misc/antimnylndda/send_alert_reminder_messages.sas
```

to

```
!AMLROOT/custom/source
```

Copy and update the following prep files:

!SASROOT/samples/antimnylndda/dormant_account_mysql_prep.sas
!SASROOT/samples/antimnylndda/dormant_account_teradata_prep.sas
!SASROOT/samples/antimnylndda/transactions_prep.sas

to

!AMLROOT/custom/source/prep_files

Copy the following scenario source:

!SASROOT/misc/antimnylndda/scenario/scenario_source/SAS10004.sas
!SASROOT/misc/antimnylndda/scenario/scenario_source/SAS10008.sas

to

!AMLROOT/scenario/scenario_source

Note: To utilize the new scenario code it is recommended that it be first installed on a test system validated and then using the scenario promotion tool moved into production.

Copy and update the following watch list files:

!SASROOT/samples/antimnylndda/postwl_hmt_transform.sas
!SASROOT/samples/antimnylndda/postwl_ofac_transform.sas
!SASROOT/samples/antimnylndda/postwl_osfi_transform.sas
!SASROOT/samples/antimnylndda/postwl_wchk_load.sas
!SASROOT/samples/antimnylndda/postwl_wchk_transform.sas
!SASROOT/samples/antimnylndda/wl_build_ext_party_match_codes.sas
!SASROOT/samples/antimnylndda/wl_build_party_match_codes.sas
!SASROOT/samples/antimnylndda/wl_hmt_extract.sas
!SASROOT/samples/antimnylndda/wl_hmt_load.sas
!SASROOT/samples/antimnylndda/wl_hmt_process.sas
!SASROOT/samples/antimnylndda/wl_hmt_transform.sas
!SASROOT/samples/antimnylndda/wl_load_qkb.sas
!SASROOT/samples/antimnylndda/wl_ofac_extract.sas
!SASROOT/samples/antimnylndda/wl_ofac_load.sas
!SASROOT/samples/antimnylndda/wl_ofac_process.sas
!SASROOT/samples/antimnylndda/wl_ofac_transform.sas
!SASROOT/samples/antimnylndda/wl_osfi_extract.sas
!SASROOT/samples/antimnylndda/wl_osfi_load.sas
!SASROOT/samples/antimnylndda/wl_osfi_process.sas
!SASROOT/samples/antimnylndda/wl_osfi_transform.sas
!SASROOT/samples/antimnylndda/wl_wchk_extract.sas
!SASROOT/samples/antimnylndda/wl_wchk_load.sas
!SASROOT/samples/antimnylndda/wl_wchk_process.sas
!SASROOT/samples/antimnylndda/wl_wchk_transform.sas

to

!AMLROOT/custom/source

Copy and update the following files:

!SASROOT/samples/antimnylndda/profile_analysis.sas
!SASROOT/samples/antimnylndda/install.sas

to

!AMLROOT/custom/source

Copy and update the following files (MySQL sites only):

!SASROOT/samples/antimnylndda/aml.sas
!SASROOT/samples/antimnylndda/amlerror.sas
!SASROOT/samples/antimnylndda/aml_agp.sas
!SASROOT/samples/antimnylndda/aml_backup.sas
!SASROOT/samples/antimnylndda/aml_ft.sas
!SASROOT/samples/antimnylndda/aml_load_core.sas
!SASROOT/samples/antimnylndda/aml_load_watch_list.sas
!SASROOT/samples/antimnylndda/aml_nn.sas
!SASROOT/samples/antimnylndda/aml_prep.sas
!SASROOT/samples/antimnylndda/aml_rap.sas
!SASROOT/samples/antimnylndda/aml_rcp.sas
!SASROOT/samples/antimnylndda/analyze_bridge_mysql.sas
!SASROOT/samples/antimnylndda/analyze_dimension_mysql.sas
!SASROOT/samples/antimnylndda/analyze_fact_mysql.sas
!SASROOT/samples/antimnylndda/analyze_kc_mysql.sas
!SASROOT/samples/antimnylndda/analyze_sar_mysql.sas
!SASROOT/samples/antimnylndda/fsk_account_keys_hhd.sas
!SASROOT/samples/antimnylndda/fsk_account_keys_pty.sas
!SASROOT/samples/antimnylndda/fsk_nn_entity.sas
!SASROOT/samples/antimnylndda/fsk_nn_party.sas
!SASROOT/samples/antimnylndda/fsk_replication_dates.sas
!SASROOT/samples/antimnylndda/fsk_temp_number.sas
!SASROOT/samples/antimnylndda/stage_account.sas
!SASROOT/samples/antimnylndda/stage_account_event.sas
!SASROOT/samples/antimnylndda/stage_account_profile.sas
!SASROOT/samples/antimnylndda/stage_associate.sas
!SASROOT/samples/antimnylndda/stage_bank.sas
!SASROOT/samples/antimnylndda/stage_branch.sas
!SASROOT/samples/antimnylndda/stage_cash_flow.sas
!SASROOT/samples/antimnylndda/stage_cash_flow_bank.sas
!SASROOT/samples/antimnylndda/stage_ext_party_account.sas
!SASROOT/samples/antimnylndda/stage_household.sas
!SASROOT/samples/antimnylndda/stage_household_account.sas
!SASROOT/samples/antimnylndda/stage_household_party.sas
!SASROOT/samples/antimnylndda/stage_party.sas
!SASROOT/samples/antimnylndda/stage_party_account.sas
!SASROOT/samples/antimnylndda/stage_party_profile.sas
!SASROOT/samples/antimnylndda/stage_transaction.sas

to

!AMLROOT/custom/source

Installing 221amlmid02wn.exe

1. If the mid-tier resides on Windows copy this file to the PC and install it. The web server must be shut down before applying these updates to the mid-tier.

2. Launch 221amlmid02wn.exe, which will extract the following files to C:\221aml02:

```
sasaml.war
sasaml-web-config.zip
```

3. Create a backup of your existing web application configuration files create a directory like config\backup under your config directory and copy all of the files and directories in the config directory to the backup directory.

4. Un-zip the sasaml-web-config.zip file using the WinZip utility, this will extract to the config directory by default, ensure that you check the overwrite existing files box in WinZip.

5. Once this is done you can update the new config files from the backed-up versions and determine what if any changes are required to the new files.

6. Copy the sasaml.war file to a convenient location for the web application server. Using the SAS Anti-Money Laundering 2.2.1 Installation Manual Second Edition follow the instructions for "Install and Configure the Investigation Server" beginning in Chapter 9.

Installing 221amlmid02ux.tar

1. If the mid-tier resides on a Unix system copy this file to the Unix box and install it. The web server must be shut down before applying these updates to the mid-tier.

2. Extract the contents of this tar file to a temporary directory. For example,

```
$ cd /tmp
$ tar -xf 221amlmid02ux.tar
```

This will create a directory named 221aml02 which contains the files

```
sasaml.war
sasaml-web-config.tar.gz
```

3. Create a backup of your existing web application configuration files create a directory like config/backup under your config directory and copy all of the files and directories in the config directory to the backup directory.

4. Un-zip the sasaml-web-config.tar.gz file using the gzip utility, for example,

```
$ cd /tmp
$ gunzip sasaml-web-config.tar.gz
```

This will extract sasaml-web-config.tar to the current working directory.

5. Un-tar the sasaml-web-config.tar file to the config directory.
6. Once this is done you can update the new config files from the backed-up versions and determine what if any changes are required to the new files.
7. Copy the sasaml.war file to a convenient location for the web application server. Using the SAS Anti-Money Laundering 2.2.1 Installation Manual Second Edition follow the instructions for “Install and Configure the Investigation Server” beginning in Chapter 9.

Installing 221aml02_SuppCD.zip

Updates to the SAS Anti-Money Laundering data model have been made and may impact your site. Review the data model and DDL files included in this zip.

The following SQL code can be used based on your database.

For MySQL

```
ALTER TABLE AMLCTR.FSK_ROUTING_CONSTRAINT
  MODIFY OPERATOR_DESC CHAR(6);

UPDATE AMLCTR.FSK_ROUTING_CONSTRAINT
  SET OPERATOR_DESC='NOT IN'
  WHERE OPERATOR_DESC='NOT';
```

For Oracle

```
ALTER TABLE FSK_ROUTING_CONSTRAINT
  MODIFY OPERATOR_DESC CHAR(6);

UPDATE FSK_ROUTING_CONSTRAINT
  SET OPERATOR_DESC='NOT IN'
  WHERE OPERATOR_DESC='NOT';
```


For DB2

```
ALTER TABLE FSK_ROUTING_CONSTRAINT  
  ALTER OPERATOR_DESC SET DATA TYPE CHAR(6);
```

```
UPDATE FSK_ROUTING_CONSTRAINT  
  SET OPERATOR_DESC='NOT IN'  
  WHERE OPERATOR_DESC='NOT';
```

For Teradata

```
ALTER TABLE AMLCTR.FSK_ROUTING_CONSTRAINT ADD NEW_OPERATOR_DESC  
  CHAR(6);
```

```
UPDATE AMLCTR.FSK_ROUTING_CONSTRAINT  
  SET NEW_OPERATOR_DESC = OPERATOR_DESC;
```

```
ALTER TABLE AMLCTR.FSK_ROUTING_CONSTRAINT DROP OPERATOR_DESC;
```

```
ALTER TABLE AMLCTR.FSK_ROUTING_CONSTRAINT RENAME NEW_OPERATOR_DESC TO  
  OPERATOR_DESC;
```

This completes the installation of hot fix 221AML02 ON LINUX.