CGI Advantage® 4

Financial

Vendor Self Service Run Sheets Guide

CGI

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1 Purpose of the System Administration Guide

This manual is intended to help system administrators initiate, configure, monitor, and control all processing for CGI Advantage. The manual has five parts:

- The CGI Advantage System Administration Guide contains information about the CGI Advantage system architecture, and configuration (including the embedded third party components), post-installation setup, security configuration and considerations, workflow, job framework and its usage/maintenance, and other information pertinent to administering the application.
- The CGI Advantage HRM run sheet guides describe each process of CGI Advantage HRM in detail with its input, output, parameters, sort sequence, and selection criteria.
- The CGI Advantage Financial run sheet guides describe each process of CGI Advantage Financial in detail with its input, output, parameters, sort sequence, and selection criteria.
- The CGI Advantage HRM Payroll Engine System Administration Guide describes the system control tables and utilities for CGI Advantage HRM.
- The CGI Advantage VSS System Administration Guide describes each VSS process in detail with its input, output, parameters, sort sequence, and selection criteria.

System administration tasks include setting up and maintaining application security, querying and viewing the application status through logs and reports, managing workflow, setting up and maintaining system tables, and other critical application maintenance tasks.

1.1 Common terms and glossary used

The terms "Job" and "Batch" have been used interchangeably throughout the document. Please note that the CGI Advantage technical architecture is flexible enough to support the execution of jobs/batch processes while the application is available for online usage. In other words, the jobs/batch processes are technically not required to be "offline" processes.

2 Description of Processes

This chapter describes the processes in CGI Advantage that are considered system administration processes. For each process, you see information on these topics:

- Description
- Steps to Run this Process (if applicable)
- When to Run
- Major Input
- Output
- Parameters – Batch and Custom
- Sort Sequence
- Selection Criteria
- Notes
- Problem Resolution

System Wide Batch Parameters:

System wide batch parameter fields are available with each batch program, which provide the path for the input/output directory. These parameters allow sites to easily and quickly update the path for individual batch processes.

System wide batch parameters can be defined at the System Level, Area Level, Chain Job level, Chain Level or Job level. There has to be a default value set for the system wide batch parameters at any of these levels mentioned above so that the process will generate, read or write the respective files from the given location.

System wide batch parameters are defined at the System Level on the System Level Process Parameters (BATSETUP) reference page, searching for the Catalog Label of *Batch Catalog* and then choosing the record-level action of *Edit.*

- **AMSROOT** - Root directory of the batch files (for example, C:\AMSADV30\RTFiles)
- **AMSEXPORT** - For files that are created by the program and need to remain after the job is completed (i.e. cannot be temporary files). This could include interface files that come from/go to third party sources (for example, $AMSROOT\ExportImport).
- **AMSIMPORT** - For files that are used by the program and need to remain after the job is completed (that is, cannot be temporary files). This could include interface files that come from/go to third party sources (for example, $AMSROOT\ExportImport).
- **AMSLOGS** - For batch framework log files. If the job requires its own log files, this is where it is put (for example, $AMSROOT\Logs).
- **AMSPARM** - Batch job parameter files specific to a single job instance only (for example, $AMSROOT\Parms).
- **AMSTEMP** - For temporary files, usually stamped with process ID (for example, C:\TEMP).
- **AMSSPOOL** - Batch job report files, statistic files, exception reports, and so forth. These files may be sent to an OS print queue. File name is usually date and time stamped (for example, $AMSROOT\Spool).

Note:

Assumptions while implementing system wide batch parameters: It is assumed that wherever in the Job processes system wide batch parameter variables (that is, AMSEXPORT, AMSIMPORT, AMSROOT, AMSLOGS, AMSPARM, AMSTEMP, AMSSPOOL) are declared as input parameters, care should be taken to set the overrideable flag for that variable to *true*, otherwise the process may fail.

Pivot Date/Year Validation:

Note:

Assumption for date attributes: Set the Earliest Year (EARLIEST_YEAR) and Latest Year (LATEST_YEAR) on the Application Parameter reference page. When defining the year range, attention should be given to setting a range vast enough to accommodate all system impacts (such as imported transactions). The Job input date/year must lie between the above year range; otherwise, the process will fail.

2.1 Vendor Self Service Batch and Chain Processes

The processes that drive Vendor Self Service in CGI Advantage Financial are listed below in the order in which they are listed on the Job Manager page. Click on one of the process names to navigate to the corresponding run sheet.

- Catalog Export from Advantage

- Create Certification Transactions

- Email Letter Generation

- Export from Advantage

- Load to Advantage

- One Time Export Tables

- Tracking Table to VCM

- VCM Tracking Table Export

- VCM Tracking Table Load

- VCM Tracking Table Purge

2.1.1 Catalog Export from Advantage

Description

This chain job is responsible for determining which Catalog Maintenance and Picture Attachment table records need to be sent from CGI Advantage Financial to VSS, for extracting these records, along with the catalog pictures, and for sending these data via FTP to VSS.

Catalog Export from Advantage is a chain job composed of the following sub jobs.

- Identification of Catalog Records
  - Based on the date and time of this job's last execution, as recorded on the Process Log table, or based on an optional parameter's (PROC_DT_TM's) value for the date and time, this batch job chooses those MA_CTLG and MA_CTLG_PIC_ATT records whose TBL_LAST_DT occurs after this date and time and those MA_CTLG records with a Phase of Final and those MA_CTLG_PIC_ATT records whose EXP_FL is true. This batch job generates the necessary commands in a parameter file for SysManUtil to process.
- System Maintenance Utility
  - SysManUtil then reads in the parameter file generated by the previous job in order to export MA_CTLG and MA_CTLG_PIC_ATT records as xml files and MA_CTLG_PIC_ATT's attachments as a zip file.
- Delivery of Catalog Records
  - For a given set of output along with the necessary FTP parameters (FTP_HOST, FTP_USER_ID, FTP_PASSWORD_ID, and FTP_DEST_DIR), this batch job transfers the output files from the SysManUtil step to the VSS environment. After a successful completion this process updates the Process Log table in Financial so that this process can begin again on the next cycle. Also, after a successful completion this process deletes these files.

When to Run

Run nightly before the Load Catalog to VSS (VSSCtlgPictSync) job in VSS

Major Input

- Master Agreement Catalog Table - MA_CTLG
- Master Agreement Catalog Picture Attachment - MA_CTLG_PIC_ATT
- IN_OBJ_ATT_CTLG
- IN_OBJ_ATT_STOR

Output

Exports XML files and the associated attachment ZIP file.

Chain Job Return Codes

The following table shows the potential job return codes for Catalog Export from Advantage Job.

Return Code	Condition
Successful	Job runs successfully under the following conditions: • Successful parameter validation • All of the selected records are processed successfully
Warning	This return code will be issued when no table (MA_CTLG and/or MA_CTLG_PIC_ATT) records are found for Export.
Non Fatal Error	Job does not end with this status.
Failed	Job will fail under the following conditions: • Parameters are invalid • Run time exceptions are encountered
Terminated	This return code is issued when the job is terminated by the user.
System Failure	This return code is issued when the job is terminated because of database server or network issues.

Parameters

Job	Parameter	Description	Default Value
Catalog Export From Advantage (Chain Level Parameters)	AMSEXPORT	Export Location at Export Catalog from Advantage Job	$$AMSROOT$$/Export Import
	AMSPARM	Parameter File Location	$$AMSROOT$$/Parms
	MA_CTLG_FILE_NM	File name for the MA_CTLG export file	MA_CTLG_records.xml
	MA_CTLG_PIC_ATT_FILE_NM	File name for the MA_CTLG_PIC_ATT export file	MA_CTLG_PIC_ATT_records.xml
	PARM_FILE	File name for the generated parameter file used as input to the System Maintenance Utility	AdvToVSSCtlgPictSync.txt
Identification of Catalog Records	AMSPARM	Parameter File Location	
	COMMIT_BLOCK	Optional commit	500

Job	Parameter	Description	Default Value
		block size to be placed in the parameter file for System Maintenance Utility processing	
	MA_CTLG_FILE_NM	File name for the MA_CTLG export file	MA_CTLG_records.xml
	MA_CTLG_PIC_ATT_FILE_NM	File name for the MA_CTLG_PIC_ATT export file	MA_CTLG_PIC_ATT_records.xml
	PARM_FILE	File name for the generated parameter file used as input to the System Maintenance Utility	AdvToVSSCtlgPictSync.txt
	PROC_DT_TM	Optional date and time value to override the VSSCTLG entry on the Process Log table. The format must be YYYY-MM-DD HH:MM:SS	
	SMU_RESTART_FL	Specifies whether System Maintenance Utility processing should be restartable. If the value is not true, false is assumed	false
	USER_ID	Specifies an optional user ID value to be placed in the parameter file for System Maintenance Utility processing	
System Maintenance Utility	PARM_FILE	File name for the generated parameter file used as input to the System Maintenance Utility	$$AMSPARM$$/AdvToVSSCtlgPictSync.txt
Delivery Of Catalog Records	AMSEXPORT	Export Location at Export Catalog from Advantage Job	
	DEL_XFR_FILES_FL	Optionally specifies if successfully transferred files should be deleted (true)	

Job	Parameter	Description	Default Value
	FTP_DEST_DIR	Directory to which the FTP process will place the files for synchronization in the CGI Advantage Procurement Vendor environment	
	FTP_HOST	Server address for the FTP process to transfer the files	HOST
	FTP_PASSWORD_ID	Password ID for the encrypted password associated with FTP_USER_ID for the FTP process	
	FTP_USER_ID	User ID for the FTP process	ftpUser
	MA_CTLG_FILE_NM	File name for the MA_CTLG export file	
	MA_CTLG_PIC_ATT_FILE_NM	File name for the MA_CTLG_PIC_ATT export file	

Sort Sequence

N/A

Selection Criteria

Selects those records from MA_CTLG whose TBL_LAST_DT is greater than or equal to the PROC_DT_TM parameter and the Phase is final. If PROC_DT_TM has no value, then it finds the maximum of PROC_RUN_DT (having PROC_ID = "VSSCTLG") from the R_PLOG table and retrieves all records from MA_CTLG whose TBL_LAST_DT is greater than or equal to PROC_RUN_DT and whose Phase is Final. If no records are found in R_PLOG then it selects all the records from MA_CTLG whose Phase is Final.

Selects those records from MA_CTLG_PIC_ATT whose TBL_LAST_DT is greater than or equal to the PROC_DT_TM parameter and EXP_FL is true. If PROC_DT_TM has no value, then it finds the maximum of PROC_RUN_DT (having PROC_ID = "VSSCTLG") from the R_PLOG table and retrieve all records from MA_CTLG whose TBL_LAST_DT is greater than or equal to PROC_RUN_DT and EXP_FL is true. If no records are found in R_PLOG then it selects all of the records from MA_CTLG whose EXP_FL is true.

Problem Resolution

If the process fails for any reason then perform the corrective actions:

- Check the log file for any errors that may have occurred while the program was running.

- Verify FTP directory path. It is a user's responsibility to provide the proper FTP directory path, which may vary based on the operating system. A wrong directory path can cause an error while executing the command of change directory over FTP.

No database restore is required.

2.1.2 Create Certification Transactions

The Create Certification Transactions allows creation of a Vendor Customer Modification (VCM) transaction for each new Vendor Customer (VCUST) record imported from CGI Advantage Vendor Self Service where the Create Certification Transaction flag is selected. This will generate and conditionally submit VCM transactions from the VCUST table.

When to Run

This process can be run on demand or at the least daily.

Description

Vendor Self Service: Chain Jobs : Create Certification Transaction on the Batch Catalog.

Create Certification Transaction batch process will automatically create a Vendor Customer Modification (VCM) transaction for designated vendors where the Create Certification Transaction flag is set.

 The chain process consists of the following batch jobs:

- Job 1 – Create Certification Transactions
- Job 2 – Load Transactions
- Job 3 – Submit Transactions

Job No	Job	Description	Output
1	Create Certification Transactions	Create the XML file needed for the VCM transaction creation	Transaction XML file (CreateCertDocs.xml) containing created VCM transactions
2	Load Transactions	Loads VCM transactions	VCM transactions are created
3	Submit Transactions	Submits Submit transactions	VCM transactions are submitted

Parameters:

For the entire chain process a user has to enter parameters for the 'Create Certification Transactions' job only. Some of them are non-overrideable parameters, which are provided with the Job Setup and do not have to be specified by the user. These are meant for system use.

Job No	Job	Parameter	Description	Default Values	For System Use (non-overrideable by user)
1	Create Certification Transactions	DOC_CD	Transaction Code accepts any Transaction Code assigned to the VCM Transaction Type.		No
		DOC_PREFIX	Transaction Prefix		NO
		DOC_STA_CD	Transaction Status, valid values are 1,2.		No
		AMSPARM (** **Refer to Note**: Assumptions for SWBP on page no. 7)	Parameter Location at Create Certification Job	-	Yes
		AMSEXPORT (***Refer to Note**: Assumptions for SWBP on page no. 7)	Export Location at Create Certification Job	-	Yes
2	Load Transactions	PARM_FILE	Parameter File(.txt) .	$$AMSPARM$$/CreateCertLoad.txt	Yes
3	Rollup and Submit Transactions	PARM_FILE	Parameter File (.txt).	$$AMSPARM$$/CreateCertSubmit.txt	Yes

Major Input

Vender tables   R_VEND_CUST, R_VEND_CERT

Output

Generates VCM Transaction

Chain Job Return Codes

The following table shows the potential job return codes for Create Certification Transactions Job.

Return Code	Condition	Criteria
Successful	All the jobs end with a return code of Successful.	Job runs successfully under the following conditions: • Successful parameter validation • All of the selected records are processed successfully
Warning	One of the jobs in the chain ends with a return code of Warning.	This return code is issued when no records are found on the R_VEND_CUST table with Create Certification Transaction Flag set to true.
Non Fatal Error	One of the jobs in the chain ends with a return code of Non Fatal Error.	This return code is issued when records are found on the r_vend_cust table with Create Certification Transaction Flag set to true but only partial records are processed successfully.
Failed	One of the jobs in the chain ends with a return code of Failed.	Job will fail under the following conditions: • Parameters are invalid • Run time exceptions are encountered • Selected records failed to process successfully
Terminated	One of the jobs in the chain ends with a return code of Terminated.	This return code is issued when the job is terminated by the user.
System Failure	One of the jobs in the chain ends with a return code of System Failure.	This return code is issued when the job is terminated because of database server or network issues.

Selection Criteria
• Select criteria for obtaining VCM Transaction is:
   1. Create Certification Transaction flag on the Vendor/Customer table = true
   2. Valid Department code on Vendor/Customer table

Problem Resolution

If the process was discontinued for any reason, then the job needs to be rescheduled again.

This batch program produces new Advantage transactions, which are subject to the line limit functionality constraints. Sites should ensure that they run this job with parameters set to ensure that the created transactions are within the line limit controls.

2.1.3 Email/Letter Generation

Description

The Email/Letter Generation batch process will send the email or print the letter as per the notification type parameter specified while running this process. The process will pick up the records from Email/Letter Generation table sorted on the basis of Date/Time stamp and generate emails and letters. Once the record has been processed the record is deleted from this table. If the user specifies Notification Type as "3" then both the email and letter will be generated simultaneously.

Note: To run the process successfully for letter generation, R_PRNT_ACCS and R_PRNT_JOB tables should have an entry for LETTER_GEN.

When to Run

This process can be run On Demand, or Daily.

Major Input

Email/Letter Generation table (R_EMAIL_LTR_GEN)

Output

The process will pick up the record from Email/Letter Generation table and send an email or print a letter.

Once the record is processed and an email is sent or a letter is printed, the processed record will be deleted from this table.

Also if the Update Vendor Notification Flag is checked the process will update the Vendor Notification Table for the Solicitation record.

Job Return Codes

The following table shows the potential job return codes for Email Letter Generation Job.

Return Code	Condition
Successful	Job runs successfully under the following conditions: • Successful parameter validation • All of the selected records are processed successfully
Warning	This return code is issued when no records are found on R_EMAIL_LTR_GEN table to send emails and/or letters.
Non Fatal Error	This return code is issued when records are found on R_EMAIL_LTR_GEN table to send emails and/or letters but only partial records are processed successfully.
Failed	Job will fail under the following conditions: • Parameters are invalid

Return Code	Condition
	• Run time exceptions are encountered • Selected records failed to process successfully
Terminated	This return code is issued when the job is terminated by the user.
System Failure	This return code is issued when the job is terminated because of database server or network issues.

Parameters

Job	Parameter	Description	Default Value
Email Letter Generation	APPL_RSRC_ID	Application Resource Id	
	NOTIF_TYP	Valid options are: 1. Email Only, 2. Letter Only, 3. Both Emails and Letters.	
	PRINT_JOB_NAME	Print Job Name	
	PRINT_RSRC	Print Resource Identifier.	

Sort Sequence

The records from Email Letter Generation table will be sorted on the basis of the Date/Time Stamp.

Selection Criteria

The selection criteria for this process is that it will pick up all the records from Email/Letter Generation table

Problem Resolution

It is a good practice to look at the log of each job for errors even if the job has run successfully.

2.1.4 Export from Advantage

Description

The Export from Advantage process exports all the vendor solicitations and attachments for solicitations, other vendor details which are newly added or which are changed, and the supporting table records that are changed and need to be updated in VSS.

The Export from Advantage offline process reads the tables to be processed from the program parameters and creates TableWrapper objects for each table. The TableWrapper objects hold information that is specific to each table. Solicitations are exported under the following conditions:

- The Solicitations that have not already been published.

- The Solicitation transactions have been finalized.

- The Solicitation transactions are past the let date.

- The Solicitation transaction has a PDF Indicator value of greater than zero if the Assemble External Terms and Conditions value on the Application Parameters table is set to 'true'.

The ADV to VSS also exports SR transactions that have been finalized and whose information has changed so that it needs to be published again. This is indicated by the Exported Flag.

Attachments for Solicitations are also exported in this process.

This process also exports the Commodity table if specified by a parameter. If the commodity table is exported, then the commodity history will be exported as well because both will be wiped out before they are loaded to VSS (so no deleted records are left out there).

This Process also exports any incremental changes made to the records. Any changes made to the records get displayed in the count in the logs.

The following logic is considered in the log counts:

- **Inserts:** Each newly inserted row of data is counted as a single change.

- **Deletes:** Each deleted row of data is counted as a single change.

- **Modify:** Each row modified (either adding, changing, or removing an existing attribute value) is counted as a single change.

The XML files that are created are exported using FTP to a particular folder where the VSS application resides. The tables are exported in a particular sequence as passed in the job parameters. Also, there is an option to export the whole table or only the newly added records and the changed records. The user can also select which tables should be deleted.

When to Run

This process can be run on demand or at the least daily.

Major Input

Table names are mentioned in the batch parameters.

Output

XML files will be generated for the tables that are passed as batch job parameters and will be exported to the VSS machine.

Job Return Codes

The following table shows the potential job return codes for Export from Advantage job.

Return Code	Condition
Successful	This Return code will be issued when table and/or transaction records are selected for export and exported successfully.
Warning	This Return code will be issued when no table and transaction records are selected for Export.
Non Fatal Error	Job does not end with this status.
Failed	Job will fail under the following conditions: • Parameters are invalid • Run time exceptions are encountered
Terminated	This return code will be issued when the job is terminated by the user.
System Failure	This return code will be issued when the job is terminated because of database server or network issues.

Parameters

Job	Parameter	Description	Default Value
Export from Advantage	CommodityInfo	Export the commodity info for Commodity History? yes/no	yes
	Commodity table	Export the entire commodity table? yes/no	no
	Solicitation Response	Export Solicitation Response Transactions? yes/no	yes
	Solicitation Transaction	Export Solicitation Transactions? yes/no	yes
	FTP Host (FTP_HOST_NAME)	IP Address of FTP Host on VSS machine	

Job	Parameter	Description	Default Value
	FTP Password (FTP_PASSWORD)	Parameter ID associated with the password value on the Encrypted Batch Parameters table	(There is no defaulted value. Clients will manually setup the Parameter ID on the Encrypted Batch Parameters table and populate the ID into this field.)
	FTP User (FTP_USER_NAME)	User ID to log into VSS FTP Server	vss
	Secure Transfer File Protocol (Secure_FTP)	Secure File Transfer Protocol? yes/no	no
	Table 1 (Attribute)	1st table to export; Full table? yes/no; Delete table? yes/no	R_TIN_1099_INFO; no; no
	Table 2 (Attribute)	2nd table to export; Full table? yes/no; Delete table? Yes/no	R_PNT_VEND_CUST; yes; no
	Table 3 (Attribute)	3rd table to export; Full table? yes/no; Delete table? yes/no	R_MSTR_AD; no; no
	Table 4 (Attribute)	4th table to export; Full table? yes/no; Delete table? yes/no	R_VEND_CNTAC; no; no
	Table 5 (Attribute)	5th table to export; Full table? yes/no; Delete table? yes/no	R_VEND_ABA_MAINT; no; no
	Table 6 (Attribute)	6th table to export; Full table? yes/no; Delete table? yes/no	R_CNTAC ;no;no
	Table 7 (Attribute)	7th table to export; Full table? yes/no; Delete table? yes/no	R_UNIT; no; no
	Table 8 (Attribute)	8th table to export; Full table? yes/no; Delete table? yes/no	R_VEND_CUST; no; no
	Table 9 (Attribute)	9th table to export; Full table? yes/no; Delete table? yes/no	R_AD; no; no
	Table 10 (Attribute)	10th table to export; Full table? yes/no; Delete table? yes/no	R_VEND_BUS_TYP; no; no

Job	Parameter	Description	Default Value
	Table 11 (Attribute)	11th table to export; Full table? yes/no; Delete table? yes/no	R_VEND_COMM; no; no
	Table 12 (Attribute)	12th table to export; Full table? yes/no; Delete table? yes/no	R_SO_QA; no; no
	Table 13 (Attribute)	13th table to export; Full table? yes/no; Delete table? yes/no	R_VEND_SRVC_AREA; no; no
	Table 14 (Attribute)	14th table to export; Full table? yes/no; Delete table? yes/no	R_VEND_CERT;no;no
	Table 15 (Attribute)	15th table to export; Full table? yes/no; Delete table? yes/no	R_AMHIST;no;no
	Table 16 (Attribute)	16th table to export; Full table? yes/no; Delete table? yes/no	R_EV_PRICE_DT; no; no
	Table 17 (Attribute)	17th table to export; Full table? yes/no; Delete table? yes/no	R_BUS_TYP; no; no
	Table 18 (Attribute)	18th table to export; Full table? yes/no; Delete table? yes/no	R_EXT_EMAIL_LTRCNF;no;no
	Table 19 (Attribute)	19th table to export; Full table? yes/no; Delete table? yes/no	R_VEND_SO_RSP;no;no
	Table 20 (Attribute)	20th table to export; Full table? yes/no; Delete table? yes/no	R_PLOG;no;no
	Table 21 (Attribute)	21st table to export; Full table? yes/no; Delete table? yes/no	R_DEPT;no;no
	Table 22 (Attribute)	22nd table to export; Full table? yes/no; Delete table? yes/no	AUTO_DOC_NO;no;no
	Table 23 (Attribute)	23rd table to export; Full table? yes/no; Delete table? yes/no	R_CLDT;no;no
	Table 24 (Attribute)	24th table to export; Full table? yes/no; Delete table? yes/no	R_GEN_SOPT;no;no
	Table 25 (Attribute)	25th table to export; Full table? yes/no; Delete table? yes/no	R_EXP_SOPT;no;no

Job	Parameter	Description	Default Value
	Table 26 (Attribute)	26th Table to Export; Full table? yes; Delete table? No	R_CNTAC_FUNC;yes;no
	Table 27 (Attribute)	27th Table to Export; Full table? yes; Delete table? No	R_VSS_USER;no;no
	Table 28 (Attribute)	28th Table to Export; Full table? yes; Delete table? No	R_VEND_USER;no;no
	Table 29 (Attribute)	29th Table to Export; Full table? yes; Delete table? No	R_VEND_ATT;no;no
	Table 30 (Attribute)	30th Table to Export; Full table? yes; Delete table? No	R_VEND_W8_FORM;no;no
	Table 31 (Attribute)	31st Table to Export; Full table? yes; Delete table? No	R_VEND_ORG_RPT_CLS;no;no
	Table 32 (Attribute)	32nd Table to Export; Full table? yes; Delete table? No	R_VEND_CUST_ARCH;no;no
	Table 33 (Attribute)	33rd table to export; Full table? yes/no; Delete table? yes/no	R_GRPT_ATT;no;no
	Table 34 (Attribute)	34th table to export; Full table? yes/no; Delete table? yes/no	R_GRNT_FY_PFRL;no;no
	Table 35 (Attribute)	35th table to export; Full table? yes/no; Delete table? yes/no	R_AUDTR;no;no
	Table 36 (Attribute)	36th table to export; Full table? yes/no; Delete table? yes/no	R_GRNTE_PRFL;no;no
	Table 37 (Attribute)	37th table to export; Full table? yes/no; Delete table? yes/no	R_GRNT_ELGBLT;no;no
	Table 38 (Attribute)	38th table to export; Full table? yes/no; Delete table? yes/no	R_GRNTAPPL_FRM_FLD;no;no
	Table 39 (Attribute)	39th table to export; Full table? yes/no; Delete table? yes/no	R_GRNTAPPL_FRM_TYP;no;no

Job	Parameter	Description	Default Value
	Table 40 (Attribute)	40th table to export; Full table? yes/no; Delete table? yes/no	R_GRNTAPPL_FRM_PRJ;no;no
	Table 41 (Attribute)	41st table to export; Full table? yes/no; Delete table? yes/no	R_GRNTAPPL_FRM_PRT;no;no
	Table 42 (Attribute)	42nd table to export; Full table? yes/no; Delete table? yes/no	R_GRNTAPPL_LST;no;no
	Table 43 (Attribute)	43rd table to export; Full table? yes/no; Delete table? yes/no	R_GRNTAPPL_FRM_TBL;no;no
	AMSEXPORT (****Refer to Note**: Assumptions for SWBP on page no. 7)	Export Location at Export from Advantage Job	

Selection Criteria

For Solicitations, the selection criteria are to select those solicitations which are:

- Not already been published.

- Have been finalized.

- Have past the let date.

- If 'Assemble External Terms and Conditions' on the Application Parameters table is 'true' and the PDF Indicator value(hidden) on the transaction is greater than zero.

For Solicitation Responses, the selection criteria are to select those responses which are:

- Having Exported Flag as false.

For the tables, the selection is based on whether parameters passed are set to *Yes* or *No* for **Full table?** and **Delete Table?**.

Problem Resolution

If the process was discontinued for any reason, then the job needs to be rescheduled again.

2.1.5 Load to Advantage

Description

The Load to Advantage process imports all the solicitations, which are exported from VSS along with their attachments; also other vendor details which are newly added or which are changed, and the supporting table records that are changed and need to be updated in Advantage so as to be in sync with VSS.

The Advantage Load process imports all of the files in the ready to load directory, which include all the xml files, which are exported from VSS application. The loading of the tables is done in a specified order which is passed as one of the job parameters. The solicitation transactions are imported along with their attachments. If there are files left to import and are not mentioned in the parameter list then those files are imported in the alphabetical order.

When to Run

This process should be run after the Export from VSS job in VSS.

Major Input

Table names are mentioned in the batch parameters.

Output

The data and transactions exported from VSS in form of XML files are imported in respective tables.

Job Return Codes

The following table shows the potential job return codes for Load to Advantage job.

Return Code	Condition
Successful	This return code is issued when table and/or transaction records are found for import and all records are imported successfully.
Warning	This return code is issued when no table and transaction records are found for import.
Non Fatal Error	This return code is issued when table and/or transaction records are found for import but only partial records are processed successfully.
Failed	The job will fail under the following conditions: • Parameters are invalid. • Run time exceptions are encountered. • None of the found records are processed.

Return Code	Condition
Terminated	This return code is issued when the job is terminated by the user.
System Failure	This return code is issued when the job is terminated because of database server or network issues.

Parameters

Job	Parameter	Description	Default Value
Load to Advantage	Commit Size DEFAULT_CO MMIT_BLOCK_ SIZE	Commit Block Size	1000
	Table Load Order 1	PART 1 - Order necessary for tables to load successfully.	R_TIN_1099_INFO; R_PNT_VEND_CUST; R_MSTR_AD; R_VSS_USER; R_VEND_CNTAC; R_VEND_CUST; R_AD; R_VEND_SRVC_AREA; R_VEND_BUS_TYP; R_VEND_COMM; R_SO_QA; R_VENDNOT; DOC_SR; R_VEND_CERT; R_EV_PRICE_DT; R_VEND_USER; R_CATFILE; R_VEND_ATT; R_VEND_W8_FORM
	Table Load Order 2	PART 2 - Order necessary for tables to load successfully.	R_GRNTR_RPT; R_GRPT_CRIT; R_GRPT_ATT; R_VEND_CUST_ARCH
	AMSIMPORT (** **Refer to Note**: Assumptions for SWBP on page no. 7)	Import Location Load to Advantage Job	-

Selection Criteria

The selection is based on the order of tables to be loaded which is passed as job parameter and the xml files are selected in that order.

Problem Resolution

If the process was discontinued for any reason, then the job needs to be rescheduled again.

2.1.6 One Time Export Tables

Description

The One Time Export Tables process exports all supporting table records, which will not be changing very frequently. The tables are like the Department, Unit, Transaction Control, CVLs etc.

The One Time Export Tables process reads the tables to be processed from the program parameters and creates TableWrapper objects for each table. The TableWrapper objects hold information that is specific to each table.

The XML files that are created are exported using FTP to a particular folder where the VSS application resides. The tables are exported in a particular sequence as passed in the job parameters. The user can also select which tables should be deleted. If a parameter for the One Time Export job also exists as a parameter for the Export from Advantage job, then the option exists to only export new or changed records for that table. Examples include the R_BUS_TYPE and R_UNIT tables. (As a usability note, this would be easier to accomplish by running only the Export from Advantage job since there are fewer parameters.) However, if a change was made to a table for which a parameter only exists on One Time Export (e.g., R_GEN_SOPT or CVLs), then the One Time Export must be run with the Full Table export for that table in order to transfer the change from Financial to VSS.

The Job Return Status is set to Successful if all of the specified tables are exported successfully.

When to Run

This process should be run once during initial implementation or once after a specific Advantage table update is made that relates to VSS but is not part of the ADV To VSS synchronization process (that is, it is not a table listed in the Export from ADV batch job).

Major Input

Table names are mentioned in the batch parameters.

Output

XML files will be generated for the tables that are passed as batch job parameters and will be exported to the VSS machine.

Parameters

Job	Parameter	Description	Default Value
Export 1 Time Load Tables	Export Commodity History	Export the Commodity purchase history	yes
	Export Commodity Table	Export the entire commodity table?	yes
	Export Responses	Export Solicitation	no

Job	Parameter	Description	Default Value
		Response Transactions? yes/no	
	Export Solicitations	Export Solicitation Transactions? yes/no	no
	FTP Host	IP Address of FTP Host on VSS machine	
	FTP Password	Parameter ID associated with the password value on the Encrypted Batch Parameters table	(There is no defaulted value. Clients will manually setup the Parameter ID on the Encrypted Batch Parameters table and populate the ID into this field.)
	FTP User	User ID to log into VSS FTP Server	Vss
	Secure Transfer File Protocol (Secure_FTP)	Secure File Transfer Protocol? yes/no	no
	Table 1	1st Table to Export; Full table? yes; Delete table? no	R_DEPT;yes;no
	Table 2	2nd Table to Export; Full table? yes; Delete table? no	R_UNIT;yes;no
	Table 3	3rd Table to Export; Full table? yes; Delete table? no	R_GEN_DOC_CTRL; yes;no
	Table 4	4th Table to Export; Full table? yes; Delete table? no	R_PRCU_DOC_CTRL;yes;no
	Table 5	5th Table to Export; Full table? yes; Delete table? no	R_UNIT_MEAS;yes;no
	Table 6	6th Table to Export; Full table? yes; Delete table? no	R_CNTAC;yes;no
	Table 7	7th Table to Export; Full table? yes; Delete table? no	CVL_ACORSPD_TYP;yes;no
	Table 8	8th Table to Export; Full table? yes;	CVL_ACT_STA;yes;no

Job	Parameter	Description	Default Value
		Delete table? no	
	Table 9	9th Table to Export; Full table? yes; Delete table? no	CVL_AD_TYP;yes;no
	Table 10	10th Table to Export; Full table? yes; Delete table? no	CVL_ANNL_INC;yes; no
	Table 11	11th Table to Export; Full table? yes; Delete table? no	CVL_APRV_STA;yes ;no
	Table 12	12th Table to Export; Full table? yes; Delete table? no	CVL_BF_ITEM_ST;y es;no
	Table 13	13th Table to Export; Full table? yes; Delete table? no	CVL_BID_TYP;yes;n o
	Table 14	14th Table to Export; Full table? yes; Delete table? no	CVL_BS_JOB_PRTY ;yes;no
	Table 15	15th Table to Export; Full table? yes; Delete table? no	CVL_BS_NODE_TYP E;yes;no
	Table 16	16th Table to Export; Full table? yes; Delete table? no	CVL_BS_RUNPOLIC Y;yes;no
	Table 17	17th Table to Export; Full table? yes; Delete table? no	CVL_BUS_SIZE;yes; no
	Table 18	18th Table to Export; Full table? yes; Delete table? no	CVL_BUS_TYP;yes;n o
	Table 19	19th Table to Export; Full table? yes; Delete table? no	CVL_CC_TYP;yes;no
	Table 20	20th Table to Export; Full table? yes; Delete table?	CVL_CMPR_TYP_C D;yes;no

Job	Parameter	Description	Default Value
		no	
	Table 21	21st Table to Export; Full table? yes; Delete table? no	CVL_CORSPD_TYP; yes;no
	Table 22	22nd Table to Export; Full table? yes; Delete table? no	CVL_DLVR_TYP;yes; no
	Table 23	23rd Table to Export; Full table? yes; Delete table? no	CVL_DOC_FUNC_C D;yes;no
	Table 24	24th Table to Export; Full table? yes; Delete table? no	CVL_DOC_PHASE_ CD;yes;no
	Table 25	25th Table to Export; Full table? yes; Delete table? no	CVL_DOC_SCHED_ ACTN;yes;no
	Table 26	26th Table to Export; Full table? yes; Delete table? no	CVL_DOC_STA_CD; yes;no
	Table 27	27th Table to Export; Full table? yes; Delete table? no	CVL_EDIT_MODE_C D;yes;no
	Table 28	28th Table to Export; Full table? yes; Delete table? no	CVL_ERR_SEV;yes; no
	Table 29	29th Table to Export; Full table? yes; Delete table? no	CVL_EXCEP_REPT_ IND;yes;no
	Table 30	30th Table to Export; Full table? yes; Delete table? no	CVL_FDT_FREQ_1;y es;no
	Table 31	31st Table to Export; Full table? yes; Delete table? no	CVL_FDT_FREQ_2;y es;no
	Table 32	32nd Table to Export; Full table?	CVL_FDT_FREQ_3;y

Job	Parameter	Description	Default Value
		yes; Delete table? no	es;no
	Table 33	33rd Table to Export; Full table? yes; Delete table? no	CVL_ICORP;yes;no
	Table 34	34th Table to Export; Full table? yes; Delete table? no	CVL_IN_COLOR;yes; no
	Table 35	35th Table to Export; Full table? yes; Delete table? no	CVL_IN_LEAF_AT;ye s;no
	Table 36	36th Table to Export; Full table? yes; Delete table? no	CVL_IN_SYS_ST;yes ;no
	Table 37	37th Table to Export; Full table? yes; Delete table? no	CVL_IN_SYS_TYPE; yes;no
	Table 38	38th Table to Export; Full table? yes; Delete table? no	CVL_JOB_EXPR_PL CY;yes;no
	Table 39	39th Table to Export; Full table? yes; Delete table? no	CVL_JOB_RET_CD;y es;no
	Table 40	40th Table to Export; Full table? yes; Delete table? no	CVL_JOB_STATUS;y es;no
	Table 41	41st Table to Export; Full table? yes; Delete table? no	CVL_JRNL_PSTNG;y es;no
	Table 42	42nd Table to Export; Full table? yes; Delete table? no	CVL_LN_FUNC_CD; yes;no
	Table 43	43rd Table to Export; Full table? yes; Delete table? no	CVL_LN_TYP;yes;no

Job	Parameter	Description	Default Value
	Table 44	44th Table to Export; Full table? yes; Delete table? no	CVL_LOG_RSCR_TYP;yes;no
	Table 45	45th Table to Export; Full table? yes; Delete table? no	CVL_MO;yes;no
	Table 46	46th Table to Export; Full table? yes; Delete table? no	CVL_MODE_IND;yes;no
	Table 47	47th Table to Export; Full table? yes; Delete table? no	CVL_ORG_CLS;yes;no
	Table 48	48th Table to Export; Full table? yes; Delete table? no	CVL_ORG_LVL_CD;yes;no
	Table 49	49th Table to Export; Full table? yes; Delete table? no	CVL_ORG_SEC_IND;yes;no
	Table 50	50th Table to Export; Full table? yes; Delete table? no	CVL_ORG_TYP;yes;no
	Table 51	51st Table to Export; Full table? yes; Delete table? no	CVL_OV_ERR_CD;yes;no
	Table 52	52nd Table to Export; Full table? yes; Delete table? no	CVL_PCARD_ACC_LVL;yes;no
	Table 53	53rd Table to Export; Full table? yes; Delete table? no	CVL_PEND_OV_ALW;yes;no
	Table 54	54th Table to Export; Full table? yes; Delete table? no	CVL_PFX_NM;yes;no
	Table 55	55th Table to Export; Full table? yes; Delete table?	CVL_PRNT_RSRC_TYP;yes;no

Job	Parameter	Description	Default Value
		no	
	Table 56	56th Table to Export; Full table? yes; Delete table? no	CVL_RESP_TYP;yes;no
	Table 57	57th Table to Export; Full table? yes; Delete table? no	CVL_RF_TYP;yes;no
	Table 58	58th Table to Export; Full table? yes; Delete table? no	CVL_RSRC_TYP_IND;yes;no
	Table 59	59th Table to Export; Full table? yes; Delete table? no	CVL_SC_ACTN_CD;yes;no
	Table 60	60th Table to Export; Full table? yes; Delete table? no	CVL_SEX;yes;no
	Table 61	61st Table to Export; Full table? yes; Delete table? no	CVL_SO_STA;yes;no
	Table 62	62nd Table to Export; Full table? yes; Delete table? no	CVL_SRVC_AREA;yes;no
	Table 63	63rd Table to Export; Full table? yes; Delete table? no	CVL_SYS_MAN_ACTN;yes;no
	Table 64	64th Table to Export; Full table? yes; Delete table? no	CVL_TIN_TYP;yes;no
	Table 65	65th Table to Export; Full table? yes; Delete table? no	CVL_TM_RSTR;yes;no
	Table 66	66th Table to Export; Full table? yes; Delete table? no	CVL_WF_APROC_EVNT;yes;no
	Table 67	67th Table to Export; Full table?	CVL_WF_APRV_AC

Job	Parameter	Description	Default Value
		yes; Delete table? no	TN;yes;no
	Table 68	68th Table to Export; Full table? yes; Delete table? no	CVL_WF_LVLS;yes;no
	Table 69	69th Table to Export; Full table? yes; Delete table? no	CVL_WF_OPRS;yes;no
	Table 70	70th Table to Export; Full table? yes; Delete table? no	CVL_WF_ORDS;yes;no
	Table 71	71st Table to Export; Full table? yes; Delete table? no	CVL_WF_REAS;yes;no
	Table 72	72nd Table to Export; Full table? yes; Delete table? no	CVL_WF_STA_ACTN;yes;no
	Table 73	73rd Table to Export; Full table? yes; Delete table? no	CVL_WTY_TYP;yes;no
	Table 74	74th Table to Export; Full table? yes; Delete table? no	R_BUS_TYP;yes;no
	Table 75	75th Table to Export; Full table? yes; Delete table? no	CVL_W8_FORM;yes;no
	Table 76	76th Table to Export; Full table? yes; Delete table? no	R_CTRY;yes;no
	Table 77	77th Table to Export; Full table? yes; Delete table? no	R_CTY;yes;no
	Table 78	78th Table to Export; Full table? yes; Delete table? no	R_WF_EMAIL_INFO;yes;no

Job	Parameter	Description	Default Value
	Table 79	79th Table to Export; Full table? yes; Delete table? no	IN_APP_CTRL;yes;no
	Table 80	80th Table to Export; Full table? yes; Delete table? no	R_EXP_SOPT;yes;no
	Table 81	81st Table to Export; Full table? yes; Delete table? no	R_GEN_SOPT;yes;no
	Table 82	82nd Table to Export; Full table? yes; Delete table? no	AUTO_DOC_NO;yes;no
	Table 83	83rd Table to Export; Full table? yes; Delete table? no	R_ST;yes;no
	Table 84	84th Table to Export; Full table? yes; Delete table? no	CVL_USER_LOCK_STA;yes;no
	Table 85	85th Table to Export; Full table? yes; Delete table? no	R_VEND_ORG_RPT_CLS;yes;no
	Table 86	86th Table to Export; Full table? yes; Delete table? no	R_1099_RPT_CLS;yes;no
	Table 87	87th Table to Export; Full table? yes; Delete table? no	R_SO_CAT;yes;no
	Table 88	88th Table to Export; Full table? yes; Delete table? no	R_CNTAC_FUNC;yes;no
	Table 89	89th Table to Export; Full table? yes; Delete table? no	R_VEND_ABA_MAINT;yes;no
	Table 90	90th Table to Export; Full table? yes; Delete table?	CVL_FIN_EMPL_STA;yes;no

Job	Parameter	Description	Default Value
		no	
	Table 91	91st Table to Export; Full table? yes; Delete table? no	CVL_BID_RESP_TYP;yes;no
	Table 92	92nd Table to Export; Full table? yes; Delete table? no	R_VEND_ATT;yes;no
	Table 93	93rd Table to Export; Full table? yes; Delete table? no	R_W8_FORM_TYP;yes;no
	Table 94	94th Table to Export; Full table? yes; Delete table? no	R_W8_FORM_PRT;yes;no
	Table 95	95th Table to Export; Full table? yes; Delete table? no	R_W8_FORM_FLD;yes;no
	Table 96	96th Table to Export; Full table? yes; Delete table? no	R_W8_LST;yes;no
	Table 97	97st Table to Export; Full table? yes; Delete table? no	R_EVAL_CRIT_JN;yes;no
	Table 98	98nd Table to Export; Full table? yes; Delete table? no	CVL_GES_STA;yes;no
	Table 99	99rd Table to Export; Full table? yes; Delete table? no	CVL_GRPT_STA;yes;no
	Table 100	100th Table to Export; Full table? yes; Delete table? no	R_EVAL_CRIT;yes;no
	Table 101	101th Table to Export; Full table? yes; Delete table? no	R_EVAL_CRIT_TMPL;yes;no
	Table 102	102nd Table to Export; Full table?	CVL_VEND_TYP_AL

Job	Parameter	Description	Default Value
		yes; Delete table? no	W;yes;no
	Table 103	103rd Table to Export; Full table? yes; Delete table? no	R_PROD_CERT;yes; no
	Table 104	104th Table to Export; Full table? yes; Delete table? no	R_COMM_CAT;yes;no
	Table 105	105th Table to Export; Full table? yes; Delete table? no	R_CITY_ST_ZIP;yes; no
	Table 106	106th Table to export, Full table? Yes/No Delete table? Yes/no	LN_ITM_PREF;yes;no
	Table 107	107th Table to export, Full table? Yes/No Delete table? Yes/no	R_GRNT_FY_PFRL; yes;no
	Table 108	108th Table to export, Full table? Yes/No Delete table? Yes/no	R_AUDTR;yes;no
	Table 109	109th Table to Export; Full table? yes; Delete table? no	R_GRNTE_PRFL;no; no
	Table 110	110th Table to Export; Full table? yes; Delete table? no	R_GRNT_ELGBLT;n o;no
	Table 111	111th Table to Export; Full table? yes; Delete table? no	R_GRNTAPPL_FRM _FLD;yes;no
	Table 112	112th Table to export, Full table? yes/no Delete table? yes/no	R_GRNTAPPL_FRM _TYP;yes;no
	Table 113	113th Table to export, Full table? yes/no Delete table? yes/no	R_GRNTAPPL_FRM _PRJ;yes;no

Job	Parameter	Description	Default Value
	Table 114	114th Table to export, Full table? yes/no Delete table? yes/no	R_GRNTAPPL_FRM _PRT;yes;no
	Table 115	115th Table to export, Full table? yes/no Delete table? yes/no	R_GRNTAPPL_LST; yes;no
	Table 116	116th Table to export, Full table? yes/no Delete table? yes/no	R_GRNTAPPL_FRM _TBL;yes;no
	Table 117	117th Table to export, Full table? yes/no Delete table? yes/no	CVL_GRNTAPPL_DT YP;yes;no
	Table 118	118th Table to export, Full table? yes/no Delete table? yes/no	CVL_GRNT_PGE_IN DTR;yes;no
	AMSEXPORT (** **Refer to Note**: Assumptions for SWBP on page no. 7)	Export Location at One Time Export Tables Job	-

Selection Criteria

The selection is based on table names passed as job parameters and also whether parameters passed are set to Yes or No for Full table? and Delete Table?.

Problem Resolution

If the process was discontinued for any reason, then the job needs to be rescheduled again.

2.1.7 Tracking Table to VCM Transaction Creation

Description

In the current system, changes made in the Vendor Self-Service (VSS) application are sent to the Advantage Financial application through a synchronization batch process to update the Advantage Vendor Customer table without prior review. The Tracking Table to VCM Transaction Creation process adds the opportunity for the client to review changes made by the vendor prior to updating the Vendor Customer table in Advantage.

In this process a VCM Tracking Table is populating with information to be updated from the Transaction Pending Changes table in VSS. The fields updated by the vendor are then consolidated within a VCM transaction that will be used by the client to be approved or rejected. Only after the VCM transaction is approved will the Vendor Customer table be updated with the information from the vendor.

When to Run

User-defined frequency

Major Input

Tracking Table (VCM_TRCK_TBL)

Output

VCM Transactions created based on Vendor or Vendor/Data-Object combinations

Chain Job Return Codes

The following table shows the potential job return codes for Tracking Table to VCM chain job.

Return Code	Condition	Criteria
Successful	All of the jobs end successfully.	Job runs successfully under the following conditions: • Successful parameter validation • All of the selected records are processed successfully
Warning	One of the jobs in the chain ends with a return code of Warning.	This return code will be issued when no records are found.
Non Fatal Error	Job does not end with this status.	N/A
Failed	One of the jobs in the chain ends with a return code of Failed	Job will fail under the following conditions: • Parameters are invalid • Run time exceptions are encountered

Return Code	Condition	Criteria
Terminated	One of the jobs in the chain ends with a return code of Terminated.	This return code will be issued when the job is terminated by the user.
System Failure	One of the jobs in the chain ends with a return code of System Failure.	This return code will be issued when the job is terminated because of database server or network issues.

Parameters

Job	Parameter	Description	Default Value
Tracking Table to VCM	CREA_DOC_CD	Transaction Code accepts any Transaction Code assigned to the VCM Transaction Type.	
	CREA_DOC_PFX	Transaction Prefix	
	SEL_PREFIX	Prefix to select	
	SUBMIT_FILE	Parameter File	VCM_Submit.txt
	SUBMIT_STA	Submit Status: 1 -Held; 2 - Ready	
	AMSPARM (** **Refer to Note**: Assumptions for SWBP on page no. 7)	Parameter Location at Tracking Table to VCM Job	-
Submit VCM Transactions	PARM_FILE	Parameter File	$$AMSPARM$$/VCM_Submit.txt

Define parameter values for the Tracking Table to VCM process by first entering values in the Tracking Table to VCM Job under Vendor Self-Service. Click on the Setup Custom Parameters link on the Batch Parameters page.

Sort Sequence

- Prefix (PREFIX)
- Tracking Number (TRCK_NO)
- Data Object (DO_NM)
- Record Key (RED_KEY)
- Action Code (ACTN_CD)
- Field Attribute (FIELD_ATTRIB)

Selection Criteria

The selection criteria for obtaining records from the VCM Tracking Table that are to be used to create the VCM transactions are:

- Transaction ID = null and

    Prefix = "Prefix to select" as specified in batch parameter (if applicable)

*if no Prefix is defined all records with Transaction ID = null will be chosen

Problem Resolution

- It is a good practice to look at the log of each job for errors even if the job has run successfully.
- This batch program produces new Advantage transactions, which are subject to the line limit functionality constraints. Sites should ensure that they run this job with parameters set to ensure that the created transactions are within the line limit controls.

2.1.8 VCM Tracking Table Export

Description

This batch job will extract data from the Advantage VCM Tracking Table in order to update the VSS Transaction Pending Changes Table (DPC), or to provide files with the status of vendor updates for departments that have chosen to interface Vendor/Customer updates.

The XML files that are created are exported using FTP to DPC_READY_TO_LOAD folder where the VSS application resides.

When to Run

User-defined frequency.

Major Input

VCM Tracking Table (VCM_TRCK_TBL)

Output

Update Transaction Pending Changes (R_DOC_PEND_CHNG) Table in VSS.

or

Create XML files with the status of vendor updates for interfacing departments.

Job Return Codes

The following table shows the potential job return codes for Tracking Table Export job.

Return Code	Condition
Successful	Job runs successfully under the following conditions: • Successful parameter validation. • All of the selected records are processed successfully.
Warning	This return code is issued when no records are found for export. In this case, an empty text file NoRecords.txt gets generated from VSS and is exported to FIN and is placed under the DPC_Ready_To_Load folder.
Non Fatal Error	Job does not end with this status.
Failed	Job will fail under the following conditions: • Parameters are invalid. • Run time exceptions are encountered.
Terminated	This return code is issued when the job is terminated by the user.

Return Code	Condition
System Failure	This return code is issued when the job is terminated because of database server or network issues.

Parameters

Job	Parameter	Description	Default Value
Tracking Table Export	PREFIX	Specifies the prefix of the records to select for export.	
	FTP_HOST_NAME	FTP Host	
	FTP_PASSWORD	Parameter ID associated with the password value on the Encrypted Batch Parameters table.	(There is no defaulted value - Clients will manually setup the Parameter ID on the Encrypted Batch Parameters table and populate the ID into this field.)
	FTP_USER_NAME	FTP User ID	vss
	AMSEXPORT (** **Refer to Note**: Assumptions for SWBP on page no. 7)	Export Location at Tracking Table to VCM job.	-

Sort Sequence

N/A

Selection Criteria

Selection Criteria for the records to be exported:

Export Flag = True AND Prefix = (Batch parameter Prefix) (if prefix defined)

or

Export Flag = True (if prefix not defined)

Problem Resolution

It is a good practice to look at the log of each job for errors even if the job has run successfully. The data will be exported to VSS after the Export From Advantage job is run in Financial.

2.1.9 VCM Tracking Table Load

Description

This batch job will load the VCM Tracking Table and any related Vendor Attachments using the XML files created in the DPC Table Export batch job or XML file from the interfacing department. Advantage SysManUtil will be used to load the table.

Vendor Attachments have their Object Attachment Storage (IN_OBJ_ATT_STOR) records created in the "Tracking Table Move" step before the related Attachment XML files are moved.

When to Run

User-defined frequency.

Major Input

- XML file from Transaction Pending Changes Table (R_DOC_PEND_CHNG) – VSS

- Interfacing departments XML file

Output

Populating fields in VCM_TRCK_TBL

Chain Job Return Codes

The following table shows the potential job return codes for VCM Tracking Table Load chain job.

Return Code	Condition	Criteria
Successful	All of the jobs end with a return code of Successful.	Job runs successfully under the following conditions: • Successful parameter validation • All of the selected records are processed successfully

Warning	One of the jobs in the chain ends with a return code of Warning.	This return code is issued under the following conditions:
		
		• No records found to load
		  In this case, the NoRecords.txt file is found in the Tracking Table Ready to Load folder. Once the job is run this file gets deleted giving a return code of Warning.
		
		• Input XML not found for matching prefix
		  In this case, the file with a matching prefix as entered in the parameter is not found

Return Code	Condition	Criteria
		in the Tracking Table Ready to Load folder.
Non Fatal Error	One of the jobs in the chain ends with a return code of Non Fatal Error.	• This return code is issued when records are found to load but only partial records are processed successfully. • If the job log entries indicate that moving the XML files from the Tracking_Table_Ready_To_Load folder to the Tracking_Table_Loaded folder will exceed the size the limit of the latter folder then the XML files will remain in the former folder causing a unique constraint error the next time the job is run. When this occurs, clear the Tracking_Table_Ready_To_Load table (copy the contents to temporary folder) and re-run the job. This should resolve the duplicate values error.
Failed	One of the jobs in the chain ends with a return code of Failed	Job will fail under the following conditions: • Parameters are invalid • Run time exceptions are encountered • No Input XML file found • NoRecords.txt file not found
Terminated	One of the jobs in the chain ends with a return code of Terminated.	This return code is issued when the job is terminated by the user.
System Failure	One of the jobs in the chain ends with a return code of System Failure.	This return code is issued when the job is terminated because of database server or network issues.

Parameters

Job	Parameter	Description	Default Value
Tracking Table Load	FILE_LOC	This parameter gives the location of the input XML file.	
	FILE_PREFIX	This parameter gives the prefix of the input XML file.	.
	PARM_FILE	This file will be used by SysManUtil to load the Tracking Table	Tracking_Table_Load.txt

Job	Parameter	Description	Default Value
	AMSIMPORT (** **Refer to Note**: Assumptions for SWBP on page no. 7)	Import Location at Tracking Table Load Job	-
	AMSPARM (**Refer to Note**: Assumptions for SWBP on page no. 7)	Parameter Location at Tracking Table Load Job	-
	CHAIN_PARM_FILE	Common Chain Parameters File (.txt)	VCMTrkTblParams
Load XML	PARM_FILE	List of XML files that will be loaded via SysManUtil	$$AMSPARM$$/TrackingTbl_Load.txt
Tracking Table Move	PARM_FILE	List of XML files that will be moved into the "Tracking_Table_Loaded" folder	Tracking_Table_Load.txt
	AMSEXPORT	Export Location at Move XML Files Job	-
	AMSPARM	Parameter Location at Move XML Files Job	-
	CHAIN_PARM_FILE	Common Chain Parameters File (.txt)	VCMTrkTblParams

Sort Sequence

N/A

Selection Criteria

Selection Criteria for the XML files to be loaded are:

Files located inside the:

Default Import/Export File Location/(File Location batch parameter)/Tracking_Table_Ready_To_Load/starting with (Prefix batch parameter)

Problem Resolution

- It is a good practice to look at the log of each job for errors even if the job has run successfully.

2.1.10 VCM Tracking Table Purge

Description

After the VCM transactions are submitted to final, the user can decide how long a record should stay on the Tracking Table. The records are purged based on the retention days, status, and prefix (if applicable) of the VCM transaction defined by the user. It will also remove any Vendor Attachments that do not exist on the Vendor Attachments table (R_VEND_ATT) but are associated with the VCMT table record that is being removed by this process.

When to Run

User-defined frequency.

Major Input

- VCM Tracking Table (VCM_TRCK_TBL)
- Vendor Attachments Table (R_VEND_ATT)

Output

Records purged from VCM_TRCK_TBL

- Object Attachment Catalog (IN_OBJ_ATT_CTLG) VSS
- Object Attachment Storage (IN_OBJ_ATT_STOR) VSS

    - Records purged from the Object Attachment tables will be based on the VCMT records being removed. In addition, it will only consider Vendor Attachments that do not exist on the Vendor Attachments (R_VEND_ATT) table.

Parameters

Job	Parameter	Description	Default Value
Tracking Table Purge	RET_DAYS	Retention Days	
	STATUS	Valid values for status are 1 = approved, 2 = rejected, 3 = both	
	PREFIX	This parameter allows the user to purge records on the Tracking Table by interfacing entities.	
	ARCHIVE_FILE	Name of the archive file, which contains all the purged records.	

Job	Parameter	Description	Default Value
	AMSPARM	Parameter Location at VCM Tracking Table Purge Job	-

Job Return Codes

The following table shows the potential job return codes for the VCM Tracking Table Purge job.

Return Code	Condition
Successful	This Return code is issued when transaction records are selected for purge and are purged successfully.
Warning	This Return code is issued when no transaction records are selected for purge.
Non Fatal Error	Job does not end with this return code.
Failed	Job will fail under the following conditions: • Parameters are invalid • Run time exceptions are encountered • Any single transaction record fails to purge
Terminated	This return code is issued when the job is terminated by the user.
System Failure	This return code is issued when the job is terminated because of database server or network issues.

Sort Sequence

N/A

Selection Criteria

Selection Criteria records to purge:

• (Application Run Date – Transaction Submit Date) > (Retention Days batch parameter) AND

• Status = (Status batch parameter) AND

• Export Flag = false AND

• Prefix = (Prefix batch parameter (if applicable))

Problem Resolution
• It is a good practice to look at the log of each job for errors even if the job has run successfully.
• The archive file specified in the batch parameter will hold the record keys of all the entries that were purged from the Tracking Table.
• If an error occurs during the purge all transactions will be rolled back and no entries will be purged. Accordingly, an error message will show in the log.