

## Summary of Siebel Batch Files Using FTP

Siebel Partner Relationship Management (PRM) architecture at T-Mobile consists of Siebel Web servers (SWSEs), the Siebel Gateway server, Siebel Enterprise server (a logical grouping of Siebel Application servers), and the Siebel Database (Oracle) server. In addition, Resonate Central Dispatch, an application that performs Web load balancing, routes Web requests to various Siebel servers in the enterprise.

T-Mobile runs four applications on the Siebel PRM platform: Co-Op (lifecycle of advertising dollars), TCM (lifecycle of partner accounts, contracts with T-Mobile), MCSA/BSA (lifecycle of business, government, educational accounts with T-Mobile), and IDV (partner view of commissionable activity).

Upstream data sources include Samson, SAP AP (Accounts Payable), SAP HR (Human Resources), TAP (Watson ID Creation), and SAP Dealer AR (Accounts Receivable).

### Files on the Database Server

There are a number of batch jobs in Siebel PRM that are run on a regularly scheduled basis, and that use FTP to export one or more files from the Database server to the Siebel Application server (waprdassl01). In one case (TM\_DV\_LOAD.bat), FTP is also used to import data to the Application server. (This is described below.)

Most batch files create two log files: a log file on the Application server and a log file on the Database server. The log file from the Database server is exported to the Application server and then merged with the log file on that server.

In addition, some batch files create a data file on the Database server, which is also exported to the Application server via FTP.

**Note:** The FTP process is initiated from the Application server.

### Batch Jobs

Batch jobs can be divided into two categories:

- **Import Batch Jobs:** These jobs must first import data files to the Database server, where tables and/or schema are updated. All of these jobs generate two log files: a log file that resides on the Application server, and a log file on the Database server that the Application server requests via FTP. These two log files are then merged.

Two basic steps must occur in order to import data into the Siebel database:

- Data is copied from its location to a network share (on the D:\ drive on waprdass01). In the case of TM\_DV\_LOAD.bat, FTP is used to transfer data from the indirect commissions FTP site to the network share.
- Data is transferred to the Database server. This is accomplished either by a process in the Siebel Enterprise Integration Manager (EIM), which is a server component on the Application server, or by SQL Loader. There are three steps to this process.

- Transfer data to a staging table (in the Oracle database) using SQL Loader. This is where data can be transformed as needed.
  - Transfer data from the staging table to an intermediary EIM table (using a stored procedure).
  - Copy data from the EIM table to a base table using an EIM process.
- **Export Batch Jobs:** These jobs use data already in the Database server. These jobs generate data files or update the schema in the Database server and use FTP to export some combination of data and log files to the Application server.

Note: Some data files are subsequently copied from the Siebel Application server to another server, where they are picked up by the appropriate team.

### Import Batch Jobs

Batch Job	Purpose	FTP
<b>TM_DV_LOAD.bat</b>	Loads indirect commission data for indirect dealers.	Transfers database log file. <b>Used to import data from the indirect commissions FTP site.</b>
<b>TM_WATSON.bat</b>	Loads WATSON user IDs.	Transfers database log file.
<b>TM_SAP_HR.bat</b>	Loads employee information (such as check numbers and status) from SAP HR.	Transfers database log file.
<b>TM_SAP_AR.bat</b>	Loads “Sold To” codes from SAP AR.	Transfers database log file.
<b>siebelcooptwo.bat</b>	Loads daily accruals from Commissions. Calls VSLoadNegatives.bat and VSLoadAccruals.bat.	Transfers database log file.
<b>VSLoadChecksSAP.bat</b>	Loads check numbers and status from SAP AP.	Transfers database log file.

### Export Batch Jobs

Batch Job	Purpose	FTP
<b>TM_ONYX.bat</b>	Generates a flat file containing dealer information and sends it to Onyx.	Transfers database log file and data file. The data file is retrieved by Fair Isaac.
<b>TM_SAMSON.bat</b>	Generates a flat file containing dealer information and sends it to Samson.	Transfers database log file and data file. The data file is retrieved by Samson Dealer Management.
<b>TM_DOWNSTREAM.bat</b>	Populates downstream schema used by other systems to retrieve data from TCM.	Transfers the database log file.
<b>VSVouchersSAP.bat</b>	Generates a claim vouchers file and send it to SAP AP.	Transfers the database log file and data file. The data file is retrieved by the SAP AP team.

