Billing Process

The TapeTrack Billing process uses the following steps:

- Extract data related to Billing from the TapeTrack Database
- Write the Billing data to .ttstats files, one for each Customer ID
- Process the Billing data using a definition file which filters the data and applies the relevant charges
- Output the Customer Billing data to XML file for input into your Invoice generating software, Excel sheet or other software package.

Extracting Data

TMSS10LogStatsExtractDB reads through the TapeTrack history tables and creates Billing extract files within the date range specified when the program is called.

At the completion of the program you will have one .ttstats (TapeTrack Statistics) file for each TapeTrack Customer.

Example

Extract Billing data from last month where:

- –R M-1:m-1 is the date range
- -h “%TMSS10DB%” is the database location

```
TMSS10LogStatsExtractDB -R M-1:m-1 -h "%TMSS10DB%" -c US02
```

Output

Output from database filtered to one Customer using the attribute -c

US01.ttstats

```
CUS01
ILTO 20201029000221000000
SLTO LIBR20201029000220000000
HLTO LIBR20201029000000000000
SLTO OFFS20201029000001000000
HLTO OFFS20201029000000000000
ILTO 20201030000221000001
SLTO LIBR20201030000220000001
HLTO LIBR20201030000000000001
SLTO OFFS20201030000001000001
HLTO OFFS20201030000000000001
```

```
ILTO 00000000000221000002
SLTO LIBR0000000000440000002
HLTO LIBR0000000000000000002
SLTO OFFS0000000000002000002
HLTO OFFS0000000000000000002
```

Processing Data

TMSS10LogStatsProcess reads through the .ttstats file and, using a definition file, filters the data, counts and applies the appropriate charges and creates an XML output file.

Example

Billing Definition File

Add storage charges for:

- US01
  - DLT Catridges @ 4 cents per day
  - LTO Cartridges @ 5 cents per day

Add Movement or Transport charges for:

- US01
  - From Customer to Vault @ 10 Cents per Volume
  - From Vault to Customer @ 10 cents per Volume

Add Delivery surcharge on non standard delivery times for:

- US01
  - Express @ $4.00
  - Overnight @ $6.00
  - Immediate @ $10.00

```
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
# # # # # # # # # # # # # # # #
#
# AddStorageCharge(
#   Package Filter,     <-- Package Filter
#   Customer Filter,    <-- Customer Filter value e.g. ACME or AC*
#   Media Filter,        <-- Media Filter value e.g. DL or D* or !(AI)
#   Rep Filter,            <-- Repository filter e.g. OFFS
#   Round Up Factor,    <-- Round up factor e.g. if 10 number will be
rounded up to nearest    10
#   Minumum Units,        <-- Minimum units to bill
#   Threshold,            <-- Theshold value, only totals over this value
are billed
#   Cap,                <-- Cap Value
```

```
#   Model,                <-- Model number
#   Item Code,            <-- Item code string
#   Customer,            <-- Customer string
#   Description,        <-- Description string
#   Cost,                <-- Cost in cents
#   Continue,            <-- continue on and bill next item if appropriate
(0=No, !0=Yes)
#   );
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
# # # # # # # # # # # # # # # #

AddStorageChargeItem(
    "*",
    "US01",
    "DLT",
    "OFFS",
    0,
    0,
    00000,
    00000,
    0,
    "$CUSTOMER",
    "$CUSTOMER2 STORAGE_OFFSITE",
    "DLT Vaulting Charge",
    4,
    false
    );

AddStorageChargeItem(
    "*",
    "US01",
    "LTO",
    "OFFS",
    0,
    0,
    00000,
    00000,
    0,
    "$CUSTOMER",
    "$CUSTOMER2 STORAGE_OFFSITE",
    "LTO Cartridge Vaulting Charge",
    5,
    false
    );

# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
# # # # # # # # # # # # # # # #
#
# AddMovementChargeItem(
#   Package Filter,        <-- Package Filter
#   Customer Filter,    <-- Customer Filter value e.g. ACME or AC*
```

```
#   Media Filter,        <-- Media Filter value e.g. DL or D* or !(AI)
#   From Rep Filter,    <-- Repository filter e.g. OFFS
#   To Rep Filter,        <-- Repository filter e.g. LIBR
#   Round Up Factor,     <-- Round up factor e.g. if 10 number will be
rounded up to nearest    10
#   Minumum Units,        <-- Minimum units to bill
#   Threshold,            <-- Threshold value, only totals over this value
are billed
#   Cap,                <-- Cap Value
#   Model,                <-- Model number
#   Item Code,            <-- Item code string
#   Customer,            <-- Customer string
#   Description,        <-- Description string
#   Cost,                <-- Cost in cents
#   Continue             <-- continue on and bill next item if appropriate
(0=No, !0=Yes)
#   );
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
# # # # # # # # # # # # # # # # #

AddMovementChargeItem(
    "*",
    "US01",
    "DLT",
    "LIBR",
    "OFFS",
    0,
    0,
    00000,
    00000,
    0,
    "$CUSTOMER",
    "$CUSTOMER2 to Vault",
    "DLT Transport Charge",
    10,
    false
    );

AddMovementChargeItem(
    "*",
    "US01",
    "LTO",
    "LIBR",
    "OFFS",
    0,
    0,
    00000,
    00000,
    0,
    "$CUSTOMER",
    "$CUSTOMER2 to Vault",
```

```
    "LTO Transport Charge",
    10,
    false
    );

AddMovementChargeItem(
    "*",
    "US01",
    "DLT",
    "OFFS",
    "LIBR",
    0,
    0,
    00000,
    00000,
    0,
    "$CUSTOMER",
    "Vault to $CUSTOMER2",
    "DLT Transport Charge",
    10,
    false
    );

AddMovementChargeItem(
    "*",
    "US011",
    "LTO",
    "OFFS",
    "LIBR",
    0,
    0,
    00000,
    00000,
    0,
    "$CUSTOMER",
    "Vault to $CUSTOMER2",
    "LTO Transport Charge",
    10,
    false
    );
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
# # # # # # # # # # # # # # # #
#
# AddJournalChargeItem(
#   Package Filter,        <-- Package Filter
#   Customer Filter,    <-- Customer Filter value e.g. ACME or AC*
#   Journal Filter,        <-- Journal Filter value e.g. 000001
#   Round Up Factor,    <-- Round up factor e.g. if 10 number will be
rounded up to nearest    10
#   Minumum Units,        <-- Minimum units to bill
#   Threshold,            <-- Theshold value, only totals over this value
```

```
are billed
#   Cap,                <-- Cap Value
#   Model,                <-- Model number
#   Item Code,            <- Item code string
#   Customer,            <-- Customer string
#   Description,        <-- Description string
#   Cost,                <-- Cost in cents
#   Continue            <- continue on and bill next item if appropriate
(0=No, !0=Yes)
#   );
#
# # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #
# # # # # # # # # # # # # # # #

AddJournalChargeItem(
    "*",
    "US01",
    "00001",
    0,
    0,
    0,
    0,
    0,
    "$CUSTOMER",
    "Delivery Charge",
    "Express Delivery",
    400,
    false
    );

AddJournalChargeItem(
    "*",
    "US01",
    "00002",
    0,
    0,
    0,
    0,
    0,
    "$CUSTOMER",
    "Delivery Charge",
    "Over Night Delivery",
    600,
    false
    );

AddJournalChargeItem(
    "*",
    "US01",
    "00003",
    0,
```

```
    0,
    0,
    0,
    0,
    "$CUSTOMER",
    "Delivery Charge",
    "Immediate Delivery",
    1000,
    false
    );
```

cookbook

From:
https://docs.tapetrack.com/ - **TapeTrack Documentation**

Permanent link:
https://docs.tapetrack.com/cookbook/billing_process

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