# 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

<sxh> TMSS10LogStatsExtractDB -R M-1:m-1 -h “%TMSS10DB%” </sxh>

### Output

Output from database with one Customer

US01.ttstats

<sxh>

</sxh>

## 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

<sxh> # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # 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, ←- 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) # ); # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # # #

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);

</sxh>