



MainData Statistics & Billing



Key components:

- **DVB/IP GW statistics generator**
- **Statistics - WEB interface**

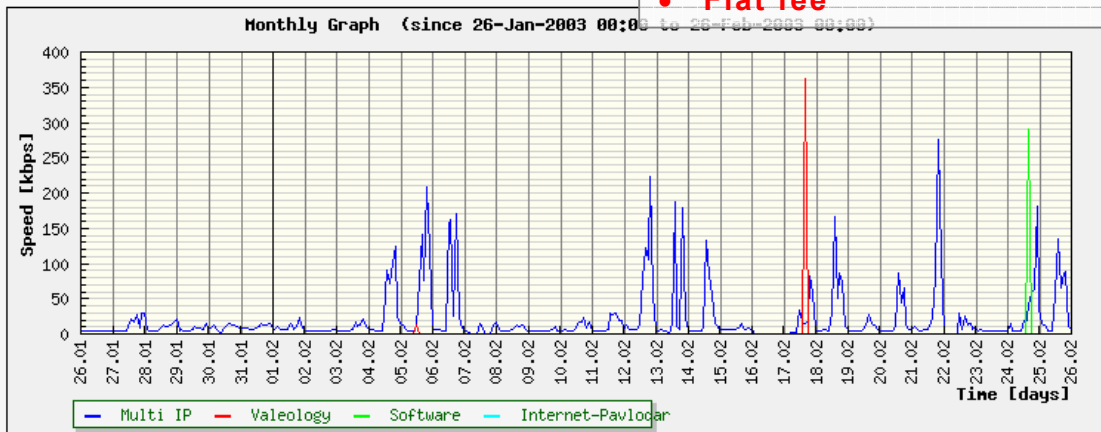
Statistics available for

- **Channels**
- **Users**
- **User Entitlements**
- **Channel Settings**

Billing according to

- **Traffic volume**
- **Connection time**
- **Flat fee**

Monthly Graph, Speed in [kbps for 2 hours averages]



1. Purpose of Statistics & Billing

The main task of the Statistics & Billing module is to gather Statistical data for DVB/IP GW **Channels/services** and **Users** for purpose of System Maintenance and Billing.

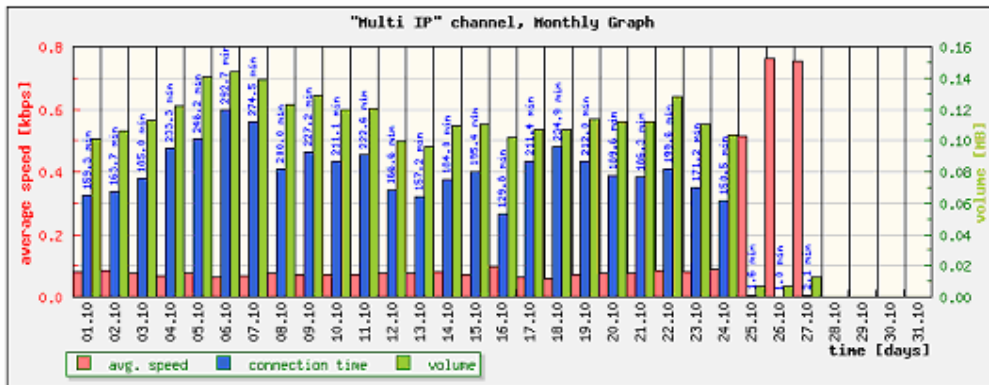
The major characteristics of a system are:

- Generates and displays Channel and User statistics from DVB/IP GW
- Allows to define billing methods and pricing for each individual channel
- Generates bills in defined accounting periods
- Statistics can be run at any OS with WEB, PHP support and MySQL
- Serves for Service provider as well as for end-users
- Generates statistics for all services supported by Main Data technologies:
 - Internet Single Route
 - Internet Multi Route
 - BFTP channels
 - PUSH mail



- PUSH FTP
- Download Center
- Allows to charge according to traffic volume, connection time or flat fee
- Allows to define Service Time Zones (peak hours) and define different pricing for individual time zones
- Supports 3 time zones (peak hours)
- Allows to define peak-off days (where no peak hours are applied)
- Graph output
- Table output
- Generates and sends passwords for end-users to access statistics web page

"Multi IP" channel, Monthly Graph



2. Billing

The main purpose of billing system is :

- a) Generate bills for individual Users according to services they are entitled for and billing system specified.
- b) Setup general billing rules for entire billing system
 - a. Currency
 - b. Accounting period etc.
- c) Setup pricing for individual services like
 - a. Billing model
 - b. Price for unit

Billing Alternatives

For each individual service there can be set a different billing type. Nowadays the system supports 3 different models of billing:

1. Volume Based
2. Connection Time based
3. Flat Fee

	Time Based	Volume Based	Flat Fee
IP Multi Route	YES	YES	YES
IP Single Route	YES	YES	YES
BFTP Multicast	NO	YES	YES
BFTP Unicast	NO	YES	YES