

GENWATCH3-DATA

IN-DEPTH REPORTING CAPABILITIES ON HPD, IV&D AND ENHANCED DATA FOR ASTRO® 25 AND DIMETRA

GenWatch3 can be enhanced by adding data inputs for monitoring, management and reporting. GenWatch3-DATA receives and archives GGSN feeds from Motorola's HPD, IV&D and Enhanced Data networks to provide in-depth, forensic reporting and analysis.

With Genesis, we are now able to create complicated, multi-variable reports that tell us how efficiently we are operating."

GENWATCH3-DATA REPORTS

- ▶ All IV&D, HPD, and Enhanced Data Activity
- ▶ Data Load Per Site
- ▶ Data Use Per ID
- ▶ Calculated Bitrate Per Site
- ▶ Calculated Bitrate Per ID
- ▶ Data Load Per System
- ▶ Number of Users Per System
- ▶ Number of Users Per Site
- ▶ Data Access Group Management

All IV&D, HPD, and Enhanced Data Activity

Data filterable by date/time/ID/site

Data Load Per Site

Identifies an unbalanced data load

Data Use Per ID

Creates a user report from data parameters

Calculated Bitrate Per Site

Figures average bitrate for sites or IDs compared against all others to reveal any out-of-range usage. Filters by date and shows all sites. Instantly exposes a site with lower throughput than expected.

Calculated Bitrate Per ID

Quickly shines the light on subscribers experiencing transfer rates in an unexpected range. Filters by date and displays all IDs. Instantly shows a subscriber with lower data throughput than expected.

Data Load Per System

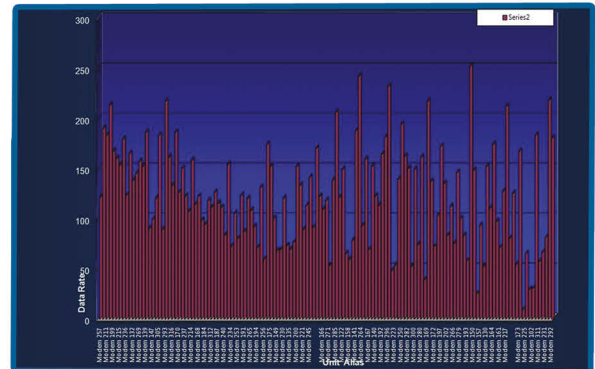
Total data to and from the GGSN over time

Number of Users Per System

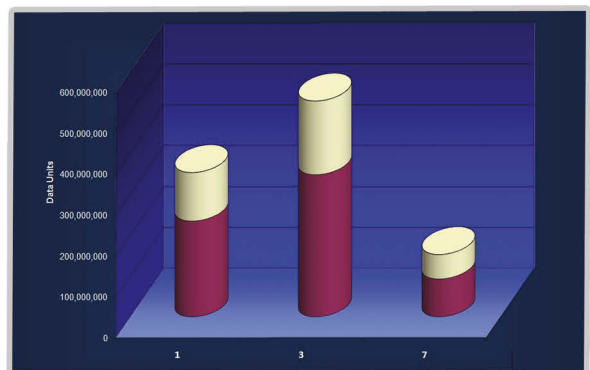
Number of users on the system over time

Number of Users Per Site

Number of users per site over time



| Record Start DT | Hour | Area | Served # | MSI/Alas | GGSN Address | Charging | AP Name | FDP Type | Dynamic |
|------------------------|------|------|----------|---------------|--------------|----------|---------|----------|---------|
| 10/23/2009 07:30:37 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:30:47 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:30:57 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:31:07 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:31:17 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:31:27 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:31:37 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:31:47 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:31:57 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:32:07 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:32:17 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:32:27 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:32:37 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:32:47 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:32:57 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:33:07 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:33:17 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:33:27 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:33:37 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:33:47 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:33:57 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:34:07 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:34:17 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:34:27 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:34:37 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:34:47 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:34:57 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:35:07 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:35:17 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:35:27 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:35:37 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:35:47 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:35:57 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:36:07 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |
| 10/23/2009 07:36:17 AM | 0 | 0 | 0 | 133 Modem 133 | 10.1.233.146 | 53904 | | 0 | 10 |



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