

MTNL- Convergent Project, India

MTNL operates in the two key metros of India namely Delhi and Mumbai. As the incumbent state-owned service provider, MTNL had to provide cost-effective telecom services. A key resource for telecom strategy planning and policies in India, MTNL abides by stringent guidelines for audit and fraud prevention. To implement the convergent system, MTNL needed a pre-qualified system vendor with ratified solution capabilities, industry experience and references.

Xalted fulfilled the stringent criterion owing to its experience in the industry. It won the contract for the MTNL convergent project to supply convergent mediation solution to MTNL, as part of convergent billing project of the latter. xMedDy does online collection of data directly from switches (MTNL has about 69 switches in Delhi and 101 switches in Mumbai). The protocols used for data collection are x.25, CMISE, FTAM and FTP.

The various modules of xMedDy provided to MTNL includes the following:

- Convergent Collection
- Data Adapters
- Collection Manager
- Conversion
- Data stitching
- Duplicate Check
- Normalization
- Archiving
- Recycle Manager
- Output Manager

The mediation system has the following key features:

- Ability to collect and process CDRs from middleware/switches/radius servers etc in real time.
- Data extraction mechanism to capture only relevant fields, to reduce downstream applications load and minimizes traffic across management network.
- Ability to validate CDRs and rate them according to defined rating rules
- Ability to reprocess invalid or unreadable CDRs.
- Filtering feature to ensure only application relevant data is pushed downstream applications.

The system has been hosted on IBM p5 servers using Oracle 9i database. The functional acceptance has been completed, the trial runs are on. The system would cater to different

services of MTNL namely PSTN, CDMA, MPLS, Broadband, VoIP, IPTV and WiMax serving over 8 million subscribers.

Reference:

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Note:

1. Xalted need to inform the above officers prior to contacting them.
2. Figures mentioned above are as on August 2008