

## **BSNL, IOBAS Project, India**

BSNL is one of the leading telecom operators in India, operating in whole of the country in different zones and providing a comprehensive range of telecom services like PSTN, CDMA mobile, GSM mobile, broadband, carrier service, MPLS-VPN, VSAT, VoIP and IN services and processing 7.2 billion CDRs per month.

The customer subscriber base of BSNL is over 36 million and the UDRs (Usage Data Records) generated are over 240 million and expected to grow to more than 400 million UDRs in next 3 years. Out of which 215 Million interconnect records are processed per day.

The operation of BSNL is divided into multiple telecom circles and a single IT department was catering for the IT requirements to deploy solutions for inter operator billing. The management decided to outsource the interoperator billing solution on revenue sharing basis to centralize the Interoperator billing and reporting. Also the system shall be used to settle the reconciliation and disputes avoiding lots of manual intervention.

The outsourcing was divided into three major zones. Xalted along with its partner, won the major part of the solution (14 out of 22 circles) and processes approximately 7.2 billion records/month (6.5 Billion Interconnect records/month) and this figure is increasing every month, for about 18 million subscribers. Xalted deployed and show cased the solution and won laurels from the customer to be best among the competitors. The system is operational for last 8 months. Our SI partner is operating the inter operator settlement and accounting services to the customer through ASP model with complete resource and application support from Xalted.

The Acquisition module collects data from various zones. With the help of Normalization module, the non-readable files (binary format) are converted into ASCII format (human readable) for further processing. The rating module rates each module with the rating algorithm using the defined pricing schemes of BSNL. If there is any dispute between the interconnect partners, reconciliation is performed.

InterTrace has been serving entire PSTN subscribers of BSNL in 14 circles. The system has been hosted over Sun V 1280 servers using Oracle 8i Database. The solution has been in operation for 3 year 3 months now.

### **Reference:**

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### **Note:**

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