

UNLOCK THE HIDDEN VALUE OF MOBILE NETWORK DATA

Mobile networks contain a myriad of valuable data capable of supporting many new revenue generating products and services. This data is more usually identified as signalling data essential for call management and operation. However, when consolidated it can provide an important asset and form the basis for the creation of revenue generating applications – and for the protection of revenue and costs. Capturing real-time data and presenting it in a consolidated usable format is a complex challenge. Arcanum's Mantis platform solves this problem.

Mantis is a range of mediation and middleware modules for extracting real-time signalling data from mobile networks, using advanced non-intrusive techniques. The data is obtained and translated from raw signalling sources and organised into consistent, usable messages. These messages can be used by applications that drive additional revenue for mobile network operators.

ENABLE RICH VALUE ADDED SERVICES AND NETWORK PROTECTION

Mantis captures mobile network data that enables a rich seam of applications such as:

- Location Based Services (LBS)
- Network Management
- Network Optimisation
- Network Performance
- Billing and Revenue Assurance
- Traffic Information and Planning
- Mobile Push and Contextual Services
- Emergency Assistance
- Fraud Prevention

BENEFITS

- Real time access to SS7 mobile signalling data
- Scalable platform solution
- Soft version available for ease of deployment
- OPEX reduction through resource efficiency and optimisation
- Reduced CAPEX
- Revenue and Profit enhancement through Mobile VAS
- Non-intrusive, non-disruptive
- Future-proof NGN / LTE migration

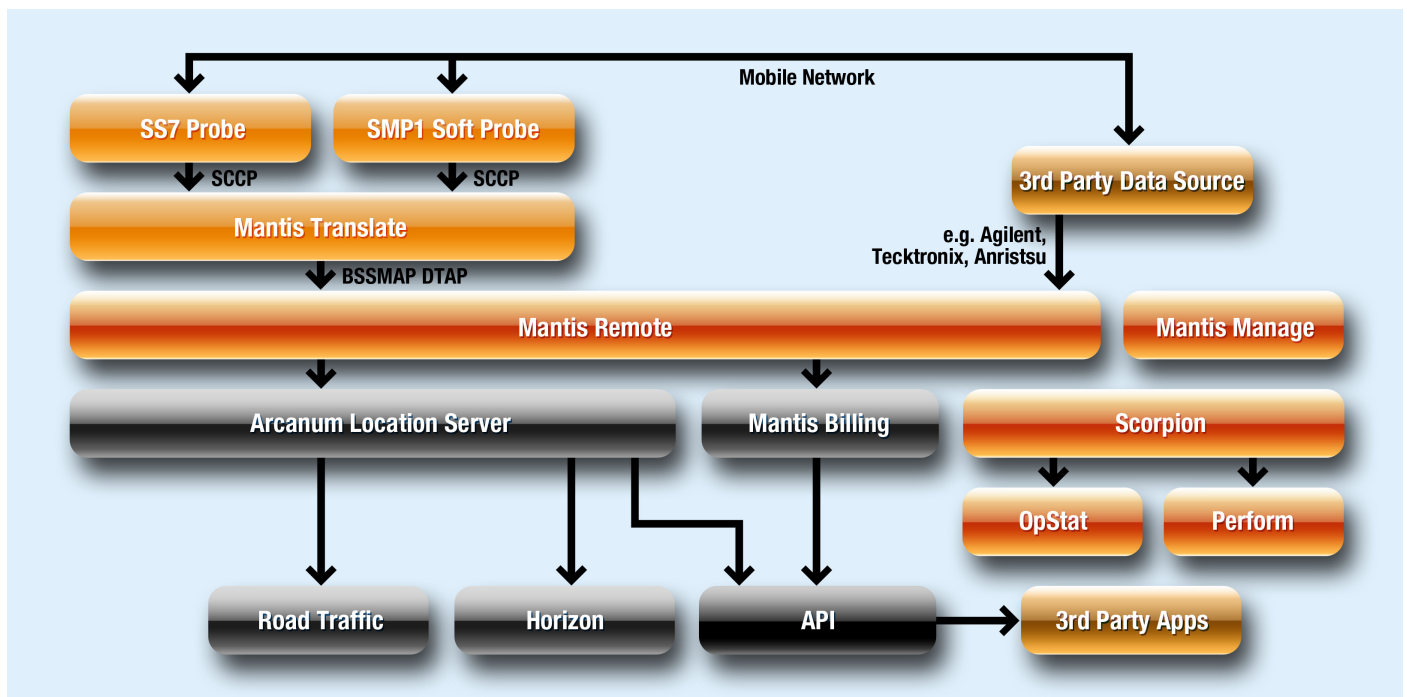
KEY FEATURES

- SS7 Signalling data collection
- Message Filtering
- SCCP to BSSMAP translation
- Identity Masking
- IMSI / TMSI replacement
- Message Manipulation
- Element Management
- Heartbeat Detection
- RAN / GERAN / UTRAN
- CDR Generation
- CDR Aggregation
- OEM API

ANY MOBILE NETWORK: TDM, IP OR CONVERGED

Mantis collects and processes information directly from the core SS7 signalling in mobile networks and can be used with any network - 2G, 2.5G or 3G - and connected to any transport infrastructure, TDM or IP. Mantis uses probe solutions to tap directly into the A-link or SIGTRAN layer, or their equivalents. Signalling information is collected, processed and presented in a consistent, uniform format to associated applications.

Operators can quickly deploy new applications, fully-leveraging the value inherent in their network operations. Arcanum has a wide range of partner application vendors, or can create custom application to meet evolving requirements. The modular architecture means it can be deployed as a turnkey solution complete with Arcanum's signalling Groomer or Probe solutions, or can leverage existing probe platforms. In the case of IP-based transport, a complete soft-probe solution can be offered, allowing direct interface to Sigtran layers.



DATA SUPPORTED

Arcanum can provide access to the full range of signalling data available as illustrated in the diagram.

