The Star Solutions Sonata® FS HLR Server provides a comprehensive standards-based Home Location Register/Authentication Center (HLR/AuC) Solution for second and third generation (2G and 3G) CDMA2000 and GSM/UMTS networks. Fully compliant with 3GPP and 3GPP2 industry standards, this powerful platform is a key component of StarSolutions’ product suite – a complete solution for 3G wireless operators.

**MULTIPLE BENEFITS**

With the HLR Server, wireless operators gain substantial benefits, including lower provisioning and operational costs for subscriber management. Additional benefits include flexible signaling protocols support for SS7 and all-IP based networks. Operators that deploy the HLR server also gain a future-proof solution that can enable rapid, cost-effective deployment of advanced services and applications.

**HIGHLY SCALABLE**

Using the HLR server, operators can serve customers with connected networks anywhere in the world, enabling them to expand geographic coverage and roaming and serve new markets. The HLR server can cost-effectively scale from small deployments to very large configurations supporting up to 500,000 subscribers. It’s open, standards-based distributed architecture enables flexible distribution with platforms such as Mobile Switching Centers (MSCs) and media gateways at optimal locations in the network. This modular solution scales easily and cost effectively with the addition of off-the-shelf hardware and distributed software applications.

**FULL-FEATURED PLATFORM**

The HLR Server features system redundancy, and advanced application management, ensuring reliable, carrier-class performance for networks regardless the size. The HLR Server is proven to easily integrate and interoperate in multi-vendor environments to meet the diverse needs of network operators. The HLR server is standards-based and communicates with other distributed elements using industry open standards such as SS7, M2PA, M2UA, M3UA and SIP. The HLR Server incorporates industry standards and defined by ETSI, ITU, GSM, 3GPP and 3GPP2 and other leading standard bodies.

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**THE STAR SOLUTIONS SONATA FEATURE SERVER**

HOME LOCATION REGISTER (HLR) FOR CDMA AND GSM NETWORK DEPLOYMENT

**FULL-FEATURED PROVEN PLATFORM**

**HIGHLY SCALABLE MODULAR ARCHITECTURE**

**STANDARDS-BASED INTEROPERABLE**

**SUPPORTS HIGH AVAILABILITY CONFIGURATIONS**
### TECHNICAL SPECIFICATIONS

#### CAPACITY
- **Subscribers**: Up to 500,000
- **SS7 Links**: 2–1,024
- **E1/T1 Spans**: 2–2,048

#### GSM/UMTS MOBILITY INTERFACES
- **D (HLR-VLR)**: TS29.002 v3.7.2 Release 99
- **GPRS Interfaces**: Gt, Gc, and Gs

#### IS-41 MOBILITY INTERFACES
- **MSC-VLR-HLR**: IS-41-D MAP

#### PROTOCOL SUPPORT
- **IP Signaling Interfaces**: M2PA, M2UA, M3UA, SIP
- **TDM Signaling Interfaces**: ANSI / ETSI SS7
- **Management**: XML, SNMP

#### PLATFORM
- Sun Microsystems Netra™ Family
- Sun Solaris™ 8
- Sun Solaris™ 10