



Automated Data Retention for Telecommunications Service Providers

Retention of subscriber data and communications related data has become a legal requirement for telecom operators and service providers around the world. Laws and regulations like the EU Directive 2006/24/EC oblige telecommunications service providers to retain CDRs, IPDRs, as well as subscriber data for a period of six to twenty-four months. While much of the data required is being recorded by providers already for billing and marketing purposes, these new regulations put some cumbersome and potentially costly obligations on CSPs in regards to data security, delivery of data, and completeness of information.

Utimaco has addressed these challenges with a brand-new approach that is affordable, quickly implemented, and secure. **Utimaco Data Retention Suite (DRS)** is a state-of-the-art, purpose-built management system for secure data retention and fast data retrieval. The system has been designed to easily integrate into existing network infrastructures that generate thousands of data records or even up to several billion records per day.

Utimaco DRS incorporates a configurable workflow management system which reduces operational expenses by automating the administrative tasks of request handling and delivery of search results to authorized agencies. Comprehensive security mechanisms like granular user management functionality, strong access control, encrypted storage and handover, and full audit trails of all user and system events, are fundamental features to support the national regulations for data protection and for public safety.

For more information please contact your local Utimaco sales representative.

About Utimaco – The Data Security Company.

Celebrating its 25th year of business, Utimaco is a leading global provider of data security solutions, enabling mid- to large-size organizations to safeguard their data assets against intentional or accidental data loss, and to comply with privacy laws. Since 1994 Utimaco has been developing lawful interception systems for mobile and fixed network operators and Internet service providers. Utimaco LIMS™ is installed and successful in operation with more than 130 operators in 60 countries

Highlights

- State-of-the-art and purpose-built data retention system for communications service providers
- For all services including telephony (fixed, mobil, Voice-over-IP (VoIP)), messaging, e-mail, Internet access
- Compliant to EU Directive 2006/24/EC and ETSI standards
- Scalable from thousands to billions of data records per day
- Cost-effective hardware and software architecture
- Flexible integration of existing networks and services
- Multi-tenant system
- Comprehensive security system with full audit trails

Benefits

- Complete solution to satisfy the data retention obligations of communications service providers
- Lowest operating costs due to high automation of workflows
- Cost-effective integration in existing networks of any size with various communication services
- Suitable for large networks with several billions of CDRs per day
- Reliable system security and data protection

Utimaco Data Retention Suite



Hardware Specifications

- Sun® X64 servers
- Various configurations from single server appliances to multi-server clusters
- Integrated disk storage (up to 12TB)
- External SAN from 6TB to 1000TB (RAID-1/5)
- Sun Solaris 10 Operating System
- Sybase IQ data warehouse
- CE marked, FCC compliant, ROHS

Services

- PSTN voice
- Mobile Voice & Data (GSM, CDMA)
- Mobile Messaging (SMS, MMS)
- Internet Access (DSL, cable, Wimax, WLAN)
- VoIP Push-to-Talk
- E-Mail
- Other services on request

Security

- Granular user management functionality
- Remote access via https (password, certificate)
- Detailed accounting (encrypted)
- Encrypted storage (optional)
- Ruggedized operating system

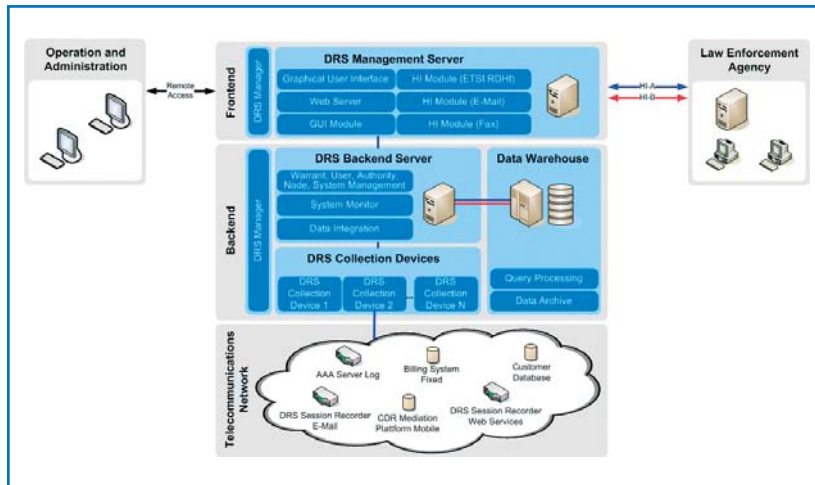
Performance

- Loads up to 390,000 records per second
- Average search time less than 5 seconds (@ 37 billion records)

Norms and Standards

- EU Directive 2006/EC/24
- ETSI TS 102 656 (v1.1.2)
- Draft TS LI-00033 (v0.95)

Key Features/Functionality



Features

- Automated workflows for warrants and search requests
- Web-based user interface
- Electronic handover interfaces for requests and reports: ETSI RDHI, e-mail, fax
- Comprehensive user management with fine-grained access rights
- Authority management to facilitate request validation
- Network management, segregates up to 64 different networks
- Collection, aggregation, correlation, and normalization of CDRs from various sources:
 - Interfaces with existing billing systems and CDR mediation systems
 - Interfaces with network switches and routers
 - Reads log files from AAA servers, e-mail servers, and other application servers
 - Remote database access via standardized or proprietary interfaces
- Multi-tenancy support enables one management system to administrate multiple operator networks
- Full audit trails of all user and system events
- Integrated system management and alarm monitor
- High-availability configurations available (server cluster)
- Optimized data storage
 - Column-wise storage of all records per service/per network
 - High compression rates (between 40-80%)
 - Automatic indexing for very fast search
- Adjustable retention period with automatic deletion of data

Further information

- For more information about Utimaco Data Retention Suite, visit: www.utimaco.com

Utimaco Safeware Partner:

Datasheet

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