

# siriOSS™ iNMs

## Integrated Network Management Services

### Speed up time – back to service

Today's voice and data networks are becoming more and more complex, and consequently running these networks is becoming more and more difficult. For network operations to be profitable, service availability and customer satisfaction are a must. And this is just where the Siemens siriOSS iNMs product comes into play. siriOSS iNMs offers network operators, telecommunication enterprises, their business customers, and out-tasking service providers a uniform overall network view on their networks and facilities. Only this overall view makes it possible to easily detect cause-and-effect relationships, instantly identify problems and their causes, and clear them as fast as possible.

### Key benefits of siriOSS iNMs

- Reduction of operating costs (OPEX)
- Optimized and secured business processes
- Easy and quick integration of future technologies
- Central overall network view
- Tailor-made integrated service assurance solutions
- Automated and accurate detection of problems through correlation
- Reduction of alarms through intelligent filtering of redundancies
- Scalability

### Siemens experience inside

Siemens' extraordinarily broad practical experience with planning, setting up and operating everything from specific corporate solutions to global networks has gone into the design and development of siriOSS iNMs. More than 50 providers and users of heterogeneous networks all over the world, among them small-scale city carriers, corporate network operators as well as large companies, have already placed their trust in this know-how and in siriOSS iNMs.

### Features

#### Overall network monitoring:

- Across-technology correlation and analysis of network problems
- Client capability, flexible operation concept (technological, regional)
- Indication of problems in alarm lists and network plans (geographical)

#### Service monitoring:

- Definition of services on the basis of network components; in the case of problems, the affected services will be indicated (prioritized fault clearance)
- Monitoring of SLAs (Service Level Agreements)
- Service status permanently up-to-date in call center

#### Additional features:

- Threshold Monitoring to keep track of QoS parameters
- Flexible reports on network problem
- Statistics about error-proneness of components and network parts
- Web access for remote diagnostics, for example outside normal operation hours

#### Fields of application:

- Regional and global operators of voice and data networks (IP, TDM, Mobile, SDH/DWDM, ATM, FR, etc.)
- Internet, application and content service providers
- Enterprises running networks on the basis of an out-tasking or outsourcing business model
- Cable TV providers
- Monitoring of corporate building infrastructure (door openers/closers, power supply, generators, etc.)

## siriOSS iNMs - components

### View

Integration of different technologies into one global network map. Operators define the type of representation (tabular, topological) to suit their requirements.

### Correlator

The filter and correlation component serves to contain the flood of alarms and to make locating more accurate.

### Response module

Once a problem has been located, fault clearance is triggered automatically. You can configure any kinds of responses (trouble tickets, SMS, e-mails, etc.).

### Service module

Available services are loaded via automated data synchronization. In the case of problems, it becomes instantly obvious which services are affected.

### Web monitor

A flexible application for the pro-active monitoring of Internet services. All kinds of services offered by ISPs, ASPs and content service providers are subject to central monitoring. By specifying thresholds, you can get information on service quality (data throughput, response times).

## Complete solutions

siriOSS iNMs is part of the Siemens network management product family. Its open interfaces and flexible data concept make it easy to implement integrated solutions also with third-party components.

Examples:

**Call Center:** Integrated solutions based on commercial of the shelf products (Clarify, Remedy, Siebel, Kana, etc.)

**Trouble ticketing and SLA:** Off-the-shelf solutions including components such as siriOSS TT, mobileAccess, Clarify.

**Performance Mgmt:** Integrated solution with Siemens SPOTS and other vendors for various network technologies.

**Inventory:** Off-the-shelf solutions with Siemens CONDIS, but also other commonly available products.

**Provisioning:** Data and process integration with various products (siriOSS TM, ...).

**Configuration:** Data synchronization with network configuration systems.

**Middleware:** Flexible solutions with commercial of the shelf products and Siemens mediation solutions.

## Flexible Integration based on the connection technology concept

Network components are integrated via the CT architecture. The CT concept allows you to integrate all Siemens components as well as components from other vendors (via SNMP MIB-II, Corba, Q3, others). For new technologies or network components, it is possible to provide a suitable CT

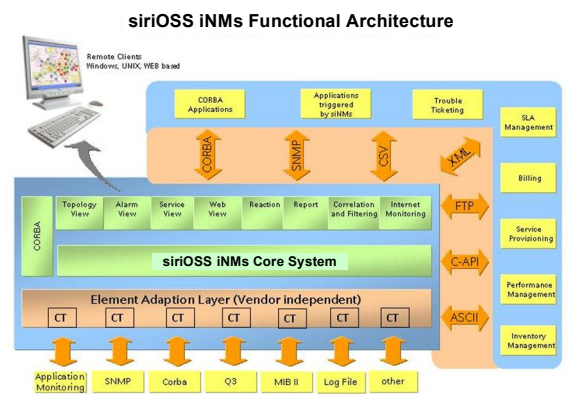


Figure1 siriOSS iNMs architecture and integration into existing network management systems

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Siemens AG Österreich  
Siemens IT Solutions and Services  
E-Mail: [siriOSS.at@siemens.com](mailto:siriOSS.at@siemens.com)