

siriOSS™ FiRe

Integrated Network Management Services

State-of-the-art filtering, correlation and reaction solution

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. This is exactly where Siemens comes in with the siriOSS product family. siriOSS offers network operators, telecommunication enterprises, their business customers, and out-tasking service providers a uniform overall 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 eliminate them as fast as possible.

This is also where siriOSS FiRe, a member of the siriOSS product family, comes into this own: filtering and correlation of alarms and services, alarm forwarding, and automation of all monitoring processes.

Key benefits of siriOSS FiRe

- Reduction of OPEX through process centralization and optimization
- Cost cuts due to less effort needed for monitoring and fault clearance
- Efficient process support based on project-specific overall integration
- Automation of routine tasks
- Automated and accurate detection of problems through correlation
- Fewer alarms due to intelligent filtering and correlation
- Integration of overall solutions for service assurance
- General SNMP NB-IF for monitored network components

Features

Overall network monitoring

- Technology-independent multi-level filtering and correlation of alarms
- Correlation of services
- Rules libraries
- Creation of new correlation, filter and reaction rules
- Simulation tool for testing filter and correlation rules
- Flexible integration with other OSS/BSS components
- Vendor-independent integration of various types of network elements and future technologies
- Separate user interface
- Evaluation of event logs
- Monitoring of networks, services and applications
- Scalability (Distributed installation)
- Central Configuration Tool for distributed siriOSS FiRe components
- Autodiscovery

Fields of application

- Independent E2E fault management
- Technology/vendor-independent filtering and correlation
- Automated generation of trouble tickets
- Alarm mediation
- Integration of subnetworks into superimposed OSS/BSS solutions (interface concentrator)

siriOSS FiRe - components

- Launcher (administer siriOSS FiRe applications)
- Builder (create rules for filter/correlation and for reactions)
- Edico (Edit and configure components in the siriOSS FiRe database)
- Event Viewer (view alarms)
- Gate Server (interface to network components via CTs)

siriOSS FiRe - filtering and correlation options

- Wizard for creating alarm filtering and correlation rules
- Predefined rules templates
- Correlation chains
- Root cause detection

The following predefined rules templates are available:

- Redundant
- Dependent
- Unimportant
- Inverse
- Frequent
- Counter
- Diagnose
- Convert
- Limited

Reaction options

The siriOSS FiRe reaction system constitutes the interface to the help desk, customer care, trouble ticketing and SLA management solutions. It furnishes the basis for automating the workflows triggered in the case of errors or problems as well as for the implementation of a single point of contact for customer inquiries and complaints. siriOSS FiRe provides the following functions for this purpose:

- Freely definable reaction rules and selection of the type of reaction to network and service alarms
- Enrichment of network and service alarms with supplementary data
- Flexible link-up with trouble ticket 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 at a very short notice and in an economically feasible manner, which ensures return on investment.

Service monitoring

Based on the correlation between network alarms and services, siriOSS FiRe also allows the monitoring of services (component and service view), which makes it possible to prioritize and thus considerably optimize maintenance activities.

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