

# mSwitch™ OSS - CSS/SAM

## mSWITCH OPERATION SUPPORT SYSTEM SUITE

A SOFTWARE SUITE THAT PROVIDES COMPLETE OPERATION AND SUPPORT FUNCTIONS FOR SUBSCRIBER MANAGEMENT AND END USER SELF SERVICE



- **CARRIER CLASS**
- **FAULT TOLERANT**
- **SECURITY AND DATA INTEGRATION**
- **USER FRIENDLY**
- **HELPS REDUCE OPERATIONS COST**

The mSwitch Operation Support System (OSS) suite provides a robust set of system management tools. These tools offer all the service management and data provisioning functions for the next generation switching network. This powerful suite of products allows service providers to manage all business and service characteristics through user-friendly web based interfaces.

The OSS family consists of the CSS and SAM tools. The CSS is a software application that provides end users a fast and efficient way by which they can provision their own features. This powerful application contains features such as allowing subscribers to activate and deactivate their own feature set. SAM is a software application that simplifies

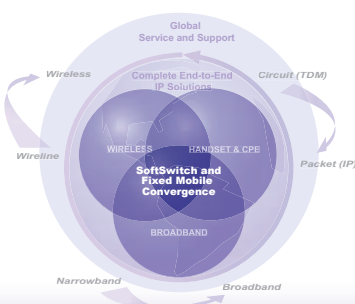
how system operators manage subscriber's information. A user-friendly GUI interface has been designed to assist system operators in account creation, account deletion and account modification. Both the CSS and SAM applications provide secure and user-friendly interfaces to both system operators and end users for all their service management and provisioning needs. The OSS was also designed to work seamlessly with the legacy systems in the network while providing complete data integrity protection.

### KEY FEATURES AND BENEFITS

**Carrier-Class** – Designed upon a software architecture that focuses real time responsiveness, scalability and high availability. Deployed in the standard Sun server platform.

**Field Proven** – These scalable applications have been proven in numerous field deployments worldwide. Because our system is operationally scalable operators are able to provision users quickly and easily, providing connectivity to subscribers in the most cost effective manner.

**User Friendly** – Our Web based interface allows for remote access and customization of logo, color scheme, layout and content. Provisioning users through this intuitive GUI interface is so simple that operators can save not only time but money because in spending less time inputting user data, operators have more time to devote to other functions, thus less operations personnel is required. Impacting the bottom line



**Security and Data Integrity**– Provide secure data link for user data privacy. Designed with prioritized data synchronization to the central database to guarantee real time effectiveness and content integrity.

**Reduce Cost** – Our OSS suite is designed to offer flexible system provisioning, while enabling service providers to reduce their OPEX. Thus, reducing their total cost of ownership.

## OVERVIEW

- Run on Sun Solaris operating system
- Utilize Oracle Database for data storage
- Unlimited scalability with addition of hardware servers
- Software collocation for small deployment
- Web interface for remote access
- Real time data synchronization with central database and immediate data update
- Data protection scheme to guarantee the data content integrity

## CSS

- User-friendly interface for end user self service
- Access to user profile information
- Access to all supplementary feature provisioning, activation, deactivation, parameter update
- Access to call history and usage record
- Allow for user customization for GUI appearance
- Secure data link for user data privacy

## SAM

- User-friendly interface for system operator management
- Tools for subscriber account creation, deletion and modification
- Access to service subscription management, feature parameter provisioning
- Provide multi-user grouping with different access privileges
- Record keeping for operator access history

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