



CSP-SMN SERVICE MANAGEMENT NODE

The CSP-SMN is the repository for the profiles of all subscribers and groups of the CSP network.

MAIN FEATURES

CSP-SMN main functions are:

- Storing the subscribers database (HLR) for the CSP network
- Subscriber database based on Oracle RDBMS
- Provisioning a customizable subscriber management GUI that can be used standalone or integrated with the CSP NMS systems
- Accounting of logged operators.
- Providing configurable operations based on the privileges assigned to each operator role (e.g. Subscriber Manger, Subscriber Administrator, etc)
- Hierarchical structure of resources and partitioning of subscriber database to accommodate different Public Safety organizations (e.g. Virtual Private Network, Suborganizations, etc.)
- Secure (ciphered) storage of authentication Keys in the HLR profile of each individual subscriber and group
- Deploying a distributed database architecture for satisfying disaster recovery scenarios
- Local and remote database backup file creation via automatic procedure. Restoration of a saved database can be performed from a backup file
- Exposing open interfaces for third-party subscriber management clients and applications.

CSP-SMN

PRODUCT COMPOSITION

The CSP-SMN can be deployed on the CSP-HW platform or as a standalone virtual appliance which can be easily installed on third-party hardware platforms.

HIGH AVAILABILITY

The CSP-SMN can be installed with high availability enabled where an active instance is backed up by another standby instance (1:1 HA). The standby instance becomes active only after the failover procedures are initiated. Both instances are reachable using a virtual IP address.

A RAID1 hard disk configuration is also provided to guarantee reliability of information. For deployments where HA is not required, only one CSP-SMN is used for the whole CSP network.

PERFORMANCE (UP TO)

- Registered subscribers
 - 75,000 (option upgrade up to 800,000)
- Groups
 - 16,000
- VPN
 - 20.

