REDUCE MANAGEMENT AND FINANCIAL LOAD OF BUSINESS WITH SOFTSWITCH

VoIP or Voice over Internet Protocol is the newest advancement of technology that is taking the world by storm. Basically, VoIP is an IP telephony expression for a group of services and is primarily used to manage the delivery of voice information over the Internet. In simpler terms, VoIP is a technology that lets telephone calls to be made over a computer network like Internet. VoIP channels are also used to transfer Fax, SMS, voice messaging applications etc. The services via network of a VoIP provider are generally cheaper than the traditional phone system. Since its launch, VoIP has achieved a milestone as a result of the consistent communication requirement of business enterprises and corporations.

Softswitch is the major element in VoIP technology as it acts as a central device in the telecommunications network that links phone calls from one telephone line to another. Going with the advantages that softswitch provides, the telecommunication industry is increasingly becoming dependent on the softswitch technology. The softswitch technology has totally modernized the operations of telecom industry and is rapidly replacing the traditional switches based on

hardware. The technology also allows linking over the web, wireless networks, conventional telephony networks and cable networks which results in a congregated network.

Softswitch have many advantages over traditional circuit switch like softswitch is a software-based switching platform while circuit switches are hardware based platform. Softswitch is implemented on general purpose servers while conventional switches depend on dedicated facilities for inter-connection. The best feature that led to the growing popularity of softswitch is the operation of wide range of applications like fax, voice, data and video whereas hardware switch are designed primarily for voice communications. VoIP Softswitch mainly aims to provide a practiced and robust mechanism for inter-communication between the circuit-switched and packet-switched networks. Softswitch is also divided into Class 4 softswitch and Class 5 softswitch. The larger number of class signifies the advancement in softswitch technology. Class 4 softswitch is the most utilized technology in the telecommunication network as it is more affordable, trustworthy and secure while Class 5 is a carrier grade softswitch solution that routes calls to the correct IP address, SIP address or DID.

Owing to the cost cutting factors and growing demand, VoIP today is an important method of communication. This rising demand of VoIP has necessitated the launch of VoIP billing is a software that aims to eliminate manual billing for wholesalers.

VoIP is actually a complete financial accounting solution that collects, calculates and shows information about telephone calls and other services and creates invoices for the customers. Besides making billing simpler and cost effective, this reliable and secure system also helps maintain bills accurately. With the help of VoIP billing software, wholesale service carriers can save a huge part of the cost unlike manual billing.