Integrating Online Fax with VoIP

by James Allen

Article published on March 12th 2012 | VOIP

Online faxing is the order of the day and businesses are getting rid of the traditional faxing methods. The Internet fax enables you to send/ receive faxes by email and it does not require a dedicated phone line. It is also to be noted that VoIP enables you to make phone calls over the Internet with a lot more efficiency and much more economically than the traditional telephone services.

The telecommunication scenario has drastically changed and today you have the capabilities of faxing and communicating on the phone as part of the convergent technology. Faxing has actually become not only more efficient but also convenient, and cost-effective because of the Internet and email facility and fax-over Internet protocol (FoIP) technology by which faxes are sent over the Internet.

Though the importance of fax has dwindled due to the proliferation of scanners and email, there are still millions of fax users worldwide and presumably the only way a person can receive a copy of a document is through fax and a telephone connection.

VoIP phones have made certain innovations possible which were not feasible through traditional telephone devices. As the potential to send /receive fax messages over the Web has become a reality, VoIP technology for digital phone calls has emerged as a possible replacement for the traditional, land-line-based telephony. You will find in the market several service providers offering plans that include both internet fax and VoIP telephony.

VoIP fax service enables the subscribers to send important documents, text files and other information long distance by simply inputting a recipient fax ID and then the information gets transmitted.

Faxing has been around for several decades now and most of the protocols were written with the intent of sending those signals over traditional phone circuits using sounds. Those sounds were converted into data by the receiving fax machine. If there was some loss of data, then the receiving fax machine will shut down the transmission. The issue is that the codecâ€™s used by VoIP IADs are designed to compress voice, not the analog signals sent/received by modems.

In a VoIP Internet scenario, voice is first converted into packets and then they are sent over the connections that make up the vast Internet. The end result is the receiving VoIP device has enough packets to make a clear and coherent conversation.

VoIP fax software is among the most innovative products currently offered to the users. The new integrated software is designed to enhance the functions of fax communication over VoIP. The software includes host and embedded VoIP and FoIP solutions to meet the growing need for multimedia products. With the ever expanding business community relying on VoIP fax, the new integrated software provides more reliable fax communication over their VoIP lines.

Interestingly, with VoIP Fax number you can send/receive audio, color faxes, black & white faxes and voice messages without any modem. You can manage to work easily with Fax VoIP and PBX phone or with your SIP service providers for VoIP fax feature.

In order to ensure that faxes do not get fragmented by VoIP systems, the international regulatory body has created the T.38 standard. This is a special protocol which specifies all the "fax specific" factors to make sure that the outgoing and incoming faxes are not garbled.

Technically speaking, you must make sure that your VoIP connection for you line that you fax on is set to G711. This is a non-compressed codec. If you do not have access to this setting call your provider and make sure your connection is set for G711.

Article Source:
http://www.articleside.com/voip-articles/integrating-online-fax-with-voip.htm - Article Side

James Allen - About Author:
To get more information about a phone and internet as well as finding more information about a Office Phone, check our website for updates.

Article Keywords:
Internet Fax, 800 Numbers, VoIP Phone Service, Voice mail Service, Virtual PBX System, Call forwarding, Toll Free Numbers

You can find more free articles on Article Side. Sign up today and share your knowledge to the community! It is completely FREE!