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IANA Accepts SixChat End2End Direct Messaging Protocol (IRP)

Internet Assigned Numbers Authority assigns port 4605 to SixChat Protocol

The Internet Assigned Numbers Authority (IANA) officially assigned port 4605 to the *SixChat* End2End Direct secure messaging protocol created by Sixscape Communications, Pte. Ltd. The assignment was issued by IANA on 11th September, 2014, and is listed in the official IANA resource registry at http://www.iana.org/assignments/service-names-port-numbers

There are a very limited number of port numbers, which are assigned by IANA for protocols recognized as viable, complying with current protocol design standards, and not already covered by existing Internet standards. For example, port 25 was assigned to the SMTP email protocol many years ago. This provides a standard port and reduces conflicts with other protocols. The technical review of the SixChat protocol was performed by Lars Eggert, the distinguished chair of the Internet Research Task Force.

The SixChat messaging protocol was created by Lawrence E. Hughes, co-founder and CTO of Sixscape Communications, for their SixChat Internet application software. The new protocol allows two SixChat User Agents to connect directly, perform mutual authentication with X.509 client digital certificates and then securely exchange a symmetric session key (for encryption of all content). SixChat uses the company's Identity Registration Protocol (IANA assigned port 4604) for address registry and retrieval, as well as Public Key Infrastructure functions (to obtain and use client digital certificates).

Mr. Hughes commented "SixChat is one of the first, if not the first, application to truly leverage the IPv6 Internet's amazing new capabilities, including an essentially unlimited number of public addresses. We are no longer bound by the constraints of Network Address Translation made necessary on the IPv4 Internet since 1995, due to address space depletion."

"SixChat is the pioneer App to show case the proper use of the e2e model for everyone" - Latif Ladid, founder and President of worldwide IPv6 Forum

The Internet Assigned Numbers Authority (IANA) is responsible for the global coordination of the DNS Root, IP addressing, and other Internet protocol resources, such as port numbers. More information is available at www.iana.org.

Lawrence E. Hughes is a 40+ year veteran of many Internet companies and is a recognized authority in IPv6 and Public Key Infrastructure. IPv6 is the latest version of the fundamental protocol underlying Internet communications, and is being deployed worldwide now. By 2017, Internet traffic over IPv6 is expected to surpass traffic over the older IPv4 in volume. Public Key Infrastructure involves issuing and managing X.509 digital certificates. Mr. Hughes created the original training in cryptography and PKI for VeriSign (the leading company in PKI) from 1998-2000.

Sixscape Communications, Pte. Ltd. is a Singapore based company that creates and sells Internet applications that feature strong support for IPv6 and Public Key Infrastructure (PKI). They are doing pioneering work in the area of End2End Direct secure communications, made possible by IPv6. More information is available at www.sixscape.com.