Abstract

This document describes the need for a WHOis email address service similar to the internet domainname WHOis service. There’s a need for a registered email address as opposed to non-registered email address to fight internet SPAM, as well as encouraging email use for personal, commercial and legal and all kinds of purposes. An internet user can have multiple email identities.

Status of This Memo

This Internet-Draft is submitted in full conformance with the provisions of BCP 78 and BCP 79.

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This Internet-Draft will expire on Oct 18, 2019.
1. Introduction

To implement a WHOis email address service similar to whois domain name service

2. Background

Currently a user can go to a service like http://www.whois.net and lookup a domain name. If I query explodingmoon.org it would output WHOIS information for explodingmoon.org.

There has to be a way I can type in a valid email address as well as input to WHOis service. Currently no such email directory exists.
3. General Information of the service

A user is likely to have several email addresses that he or she uses. A concept of primary email address can be used for the Whois service. I am pradeep@explodingmoon.org as well as pradeepan88@hotmail.com and pradeeplugimwidnau@yahoo.com as well as pradeepkumarxplorer@gmail.com.

A user should be able to register his or her email address with Whois registry and add other details about them. A location field of the email address can be used to implement email security. If my email is pradeep@explodingmoon.org and i give my location as Thailand, my email service provider can provide me additional security by restricting access from Netherlands.

There could be any level of details. Registration of email addresses in the registry can be via email or via webforms. A user choses what information he or she choses to reveal. I can chose to reveal my contact information.

The current email protocols SMTP or whatever need to query sender email address only if its valid and authorised by the email registry, the senders email should be delivered. In the last 5 years i have been frauded by emails like efcc.nigeria.org@representative.com and they have extorted cash from me as if its legal fees to recieve funds and it has resulted in too much harm to me. If i can configure my email client to recieve emails from those authorised by email registry, i would not have this problem.

I propose two different applications or apps.
VerifyEnvelope that takes as input an email header and reports if the sender of the email is really who the header claims to be.
WhoisEmail This takes the email and shows information that can be used to identify the sender. This can be protected by the senders password or public key. The information retrieved can be the location, identity documents, credentials, certificates, finger prints etc.

I am adding these
Its easy to use software to configure email delivery to multiple locations. I am pradeep@explodingmoon.org now in palakkad internet can be configured so an emails that originates from usa delivered inside USA only. software like DNS tables and routing can be changed to have delivery to a duplicate place. This has to be avoided by a central registry or some other techniques. If i am emailing tm@enough.com who is in USA, i have to be able to do a whois of tm@enough.com that says enough.com is in USA and avoid delivery to spain. I have to add more later.
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5. Acknowledgement

I have been a publisher of http://www.dhyanayoga.info since 2004/2005 and http://www.explodingmoon.org since 2008. I have used bluehost.com for hosting my website and have found the need to know who views my site, their email addresses and not just IP address. Also I have been using services of hotmail.com, yahoo.com, facebook.com and found the need for a Single SignON to the WWW and an email registry and a concept of primary email address is a precursor to that implementation.