

Network Working Group
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Extensions to WHOis service to allow query on email identities
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Abstract

This document describes the need for a WHOis email address service similar to the internet domainname WHOis service. There is 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.

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[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 domainname.If i query explodingmoon.org It would output WHOIS Imformation 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.

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[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 pradeeplugimwidnaus@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 chooses what information he or she chooses to reveal. I can choose 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 sender 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 receive funds and it has resulted in too much harm. If i can configure my email client to receive 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 is really who the header claims to be.
WhoisEmail This takes the email and shows information that can be used to verify the sender. This can be protected by the senders password or public key. The information can be the location, identity documents, credentials, certificates, fingerprint 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 to deliver an email that originates from usa delivered inside USA only. software tables and routing can be changed to have delivery to a duplicate place to be avoided by a central registry or some other techniques. If i am email@tm@enough.com who is in USA, i have to be able to do a whois of email@enough.com says enough.com is in USA and avoid delivery to spain. I have to add more

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4. Authors' Addresses

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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.

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