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2. Abstract

This memo defines a directory information profile for a white pages person, to be carried in an application/directory MIME Content-Type. The profile consists of type definitions (e.g., for name and email address) and the corresponding format of values that each type is allowed to contain.

3. Overview

The application/directory MIME Content-Type defined in [MIME-DIR] is used for representing directory information in MIME format. It defines a general framework for carrying "type: value" style information in the body of a MIME message, but does not define specific types or values. This document defines a profile containing the types and corresponding value formats for representing information about an Internet white pages person. The profile reflects the Internet white pages service schema defined in [DIR-WPP].
4. The White Pages Person Profile

The profile is defined as follows, using the profile registration template from Section 8 of [MIME-DIR].

4.1. Person profile definition

To: ietf-mime-direct@umich.edu
Subject: Registration of application/directory MIME profile wpperson

Profile name: wpperson

Profile purpose: to hold white pages information about a person

Profile types: address, cn, sn, email, o, phone, misc, lastmoddate, lastmodby, lastmodtype, dataowner, datasource

The associated type definitions follow, using the type registration template from Section 9 of [MIME-DIR].

4.2. Address Type Definition

To: ietf-mime-direct@umich.edu
Subject: Registration of application/directory MIME type address

Type name: address

Type purpose: to hold postal address information

Type encoding: a sequence of text lines separated by <CRLF> SPACE

Type special notes: The usual line-folding technique described in [MIME-DIR] can be used to represent multi-line addresses (i.e., applications should interpret folded address lines as separate lines in a single address, not a continuation of one address line).

4.3. Cn Type Definition

To: ietf-mime-direct@umich.edu
Subject: Registration of application/directory MIME type cn

Type name: cn

Type purpose: to hold a name

Type encoding: text
4.4. Sn Type Definition

To: ietf-mime-direct@umich.edu
Subject: Registration of application/directory MIME type sn

Type name: sn

Type purpose: to hold a last name, family name, or surname

Type encoding: text

4.5. Email Type Definition

To: ietf-mime-direct@umich.edu
Subject: Registration of application/directory MIME type email

Type name: email

Type purpose: to hold an Internet email address

Type encoding: text representing an email address as defined in section 6.1 of [RFC-822]

4.6. O Type Definition

To: ietf-mime-direct@umich.edu
Subject: Registration of application/directory MIME type o

Type name: o

Type purpose: to hold an organization name

Type encoding: text

4.7. Phone Type Definition

To: ietf-mime-direct@umich.edu
Subject: Registration of application/directory MIME type phone

Type name: phone

Type purpose: to hold a voice, fax, cellular, mobile, or other type of telephone phone number

Type encoding: text

Type special notes:
If this type is to be used to hold multiple kinds of telephone numbers (e.g., fax and voice), it is advisable to distinguish them with some kind of descriptive comment in the value. For example:

phone: +1 313 747-4454 (voice)
phone: +1 313 764-5140 (fax)

4.8. Misc Type Definition

To: ietf-mime-direct@umich.edu
Subject: Registration of application/directory MIME type misc

Type name: misc
Type purpose: to hold miscellaneous information
Type encoding: text
Type special notes:

This type is intended to hold miscellaneous descriptive information about a person that does not fit in one of the other types defined above. It should not be used to hold information for which other types have been defined.

4.9. Lastmodby Type Definition

To: ietf-mime-direct@umich.edu
Subject: Registration of application/directory MIME type lastmodby

Type name: lastmodby
Type purpose: to hold the directory name of the entity which last modified a directory entity
Type encoding: text
Type special notes:

Note that the text encoding of the directory name may be directory service specific.

4.10. Lastmoddate Type Definition

To: ietf-mime-direct@umich.edu
Subject: Registration of application/directory MIME type lastmoddate

Type name: lastmoddate
Type purpose: to hold the time when a directory entity was last modified

Type encoding: a string containing a time as defined in section 5.1 of [RFC-822] for "date-time".

4.11. Lastmodtype Type Definition

To: ietf-mime-direct@umich.edu
Subject: Registration of application/directory MIME type lastmodtype

Type name: lastmodtype

Type purpose: to hold the type of information last modified in a directory entity

Type encoding: text containing a type name as defined in section 5 of [MIME-DIR] for "type".

4.12. Dataowner Type Definition

To: ietf-mime-direct@umich.edu
Subject: Registration of application/directory MIME type dataowner

Type name: dataowner

Type purpose: to identify the owner of directory information pertaining to an entity

Type encoding: text

4.13.Datasource Type Definition

To: ietf-mime-direct@umich.edu
Subject: Registration of application/directory MIME type datasource

Type name: datasource

Type purpose: to identify the source of directory information pertaining to an entity

Type encoding: text

5. Examples

The following example illustrates simple use of the "application/directory" Content-Type with the "person" profile.
6. Security Considerations

Internet mail is subject to many well known security attacks, including monitoring, replay, and forgery. Applications should also take care to display directory data in a "safe" environment (e.g., PostScript-valued types).

7. Acknowledgements

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8. Bibliography

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10. Appendix A - Correspondence With Various Directory Services

The scheme defined here is intended to be general enough to work with any number of directory services, including, but not limited to LDAP [RFC-1777], WHOIS++ [RFC-1835], SOLO, and X.500 [x500]. This appendix provides a mapping between attribute types or fields in these directory services and the scheme defined here.

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<th>name in SOLO</th>
<th>name in WHOIS++</th>
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