

The 'wp:' and 'yp:' Abstract Service Types
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Abstract

This document presents definitions for the 'wp:' (white pages) and 'yp:' (yellow pages) abstract services.

1. Introduction

In "Advertising Services" [[1](#)], several abstract services are proposed. As specified in [[2](#)], the "wp:" (white pages) and "yp:" yellow pages abstract services are documented here.

2. The "wp" Abstract Service

The "wp" abstract service is for locating people via directory or "white pages" services. Version 0.0 of this service specifies four protocols for accessing such services: LDAP, WHOIS++, CCSO/Ph and HTTP.

```

type = wp

version = 0.0

language = EN

description =
The WP Abstract Service is for locating people via "white pages"
services.

```

```

url-syntax =
url-path      = ldapurl / whoisppurl / phurl / httpurl
ldapurl       = url as defined in [3]
whoisppurl    = url as defined in [4]
httpurl       = url as defined in [5]
phurl         = "ph://" hostport
hostport      = host [ ":" port ]
host          = hostname / hostnumber
hostname      = *( domainlabel "." ) toplabel
domainlabel   = alphanum / alphanum * [alphanum / "-"] alphanum
toplabel      = alpha / alpha * [alphanum / "-"] alphanum
hostnumber    = ipv4-number / ipv6-number
ipv4-number   = 1*3digit 3*3("." 1*3digit)
ipv6-number   = 32*hex
3digit        = digit digit digit
port          = 1*digit
               ; A port number must be included if the
               ; protocol field does not have an IANA
               ; assigned port number.

alphanum      = alpha / digit
alpha         = "a" / "b" / "c" / "d" / "e" / "f" / "g" /
               "h" / "i" / "j" / "k" / "l" / "m" / "n" /
               "o" / "p" / "q" / "r" / "s" / "t" / "u" /
               "v" / "w" / "x" / "y" / "z" /
               "A" / "B" / "C" / "D" / "E" / "F" / "G" /
               "H" / "I" / "J" / "K" / "L" / "M" / "N" /
               "O" / "P" / "Q" / "R" / "S" / "T" / "U" /
               "V" / "W" / "X" / "Y" / "Z"
digit         = "0" / "1" / "2" / "3" / "4" / "5" / "6" /
               "7" / "8" / "9"

```

3. The "yp" Abstract Service

To locate resource on the Internet, a client would use the "Yellow Pages" service and version 0.0 of the "yp" abstract service specifies two protocols for accessing such services: Z39.50 and HTTP.

```

type = yp

```

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```
version = 0.0

language = EN

description =
The yp Abstract Service is for locating resource via "yellow pages"
services.

url-syntax =
url-path      = z3950url / httpurl
z3950url      = url as defined in [6]
httpurl       = url as defined in [5]
```

4. Security Considerations

The templates presented here are subject to the same implications as other service templates specified according to [2] and [7].

5. Acknowledgments

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6. References

Request For Comments (RFC) and Internet Drafts documents are available from <URL:ftp://ftp.internic.net> and numerous mirror sites

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