Internet-Draft   Ryan Moats
draft-ietf-svrloc-wpyp-00.txt   AT&T
Expires in six months   February 1997

          Defining White Pages and Yellow Pages Services
              Filename: draft-ietf-svrloc-wpyp-00.txt

Status of This Memo

     This document is an Internet-Draft. Internet-Drafts are working
     documents of the Internet Engineering Task Force (IETF), its
     areas, and its working groups. Note that other groups may also
     distribute working documents as Internet-Drafts.

     Internet-Drafts are draft documents valid for a maximum of six
     months and may be updated, replaced, or obsoleted by other
     documents at any time. It is inappropriate to use Internet-
     Drafts as reference material or to cite them other than as ``work
     in progress.''

     To learn the current status of any Internet-Draft, please check
     the ``1id-abstracts.txt'' listing contained in the Internet-
     Drafts Shadow Directories on ftp.is.co.za (Africa), nic.nordu.net
     (Europe), munnari.oz.au (Pacific Rim), ds.internic.net (US East
     Coast), or ftp.isi.edu (US West Coast).

Abstract

   Service scheme templates for several different "white" and "yellow"
   pages services are presented.

1. Introduction

   In "Advertising Services" [1], several different types of "service:"
   URL schemes are proposed. As specified by [2], the service scheme
   templates for several of those services are documented here. For all
   the schemes herein, stripping the "service:" and the leading "wp-" or
   "yp-" from the service URL results in the URL for the resource..

2. Specifying White Pages Services

   To locate people on the Internet, a client connects to a "White
   Pages" service. A variety of protocols are available for connecting

   to such services. As [2] recommends that service templates be as
   protocol-specific as possible, there are multiple templates for white
   pages services, specified in this section.

2.1. WP-LDAP Service

   When LDAP [3] is the protocol for accessing a "White Pages" service,
   the "wp-ldap" template is used. Here, the syntax of the URLpath is
   specified in [4].

      "Service Discover Multicast Address = NONE

       Service type = wp-ldap

       Version   = 0.0

       Language tag = en

       Description =
         The wp-ldap (or White Pages via LDAP) service type provides
         attributes for looking up people via the LDAP protocol.

       Authorization policy = :: NONE ::
         A text description of any authentication requirements for use of
         this server.

       Use policy = :: NONE ::
         A text description of any intended Use policy for this server.

       Access protocol = :: LDAP ::
         This white pages server's access protocol, which is used to
         distinguish from other white pages servers."

2.2. WP-WHOIS++ Service

   The "wp-ldap" template is used when WHOIS++ [5] is the access
   protocol for a White Pages service. Here, the syntax of the URL path
   is specified in [6].

      "Sevice Discover Multicast Address = NONE

       Service type = wp-whois++

       Version   = 0.0

       Language tag = en

```
      Description  =
         The wp-whois++ (or White Pages via WHOIS++) service type provides
         attributes for looking up people via the WHOIS++ protocol.

      Authorization policy = :: NONE ::
         A text description of any authentication requirements for use of
         this server.

      Use policy = :: NONE ::
         A text description of any intended Use policy for this server.

      Access protocol = :: WHOIS++ ::
         This white pages server's access protocol, which is used to
         distinguish from other white pages servers."
```

[2.3]. WP-PH Service

The "wp-ph" template is used when CCSO/Ph [7] is the access protocol
for a White Pages service. Here, the syntax for the URL path is
undefined.

[4.1] WP-PH Service Template

Sevice Discover Multicast Address = NONE

```
       "Service type = wp-ph

       Version     = 0.0

       Language tag = en

       Description  =
          The wp-ph (or White Pages via PH) service type provides attributes
          for defining services for looking up people via the PH protocol.

       Authorization policy = :: NONE ::
          A text description of any authentication requirements for use of
          this server.

       Use policy = :: NONE ::
          A text description of any intended Use policy for this server.

       Access protocol = :: CCSO/PH ::
          This white pages server's access protocol, which is used to
          distinguish from other white pages servers."
```

[5](#). Specification of YP-Z3950R Service

   This section specifies the template for the service "yp-z3950r,"
   which is for providing a "Yellow Pages" service for locating
   documents using Z39.50 [8] as the access protocol.

   The syntax for the URL path is specified in [9].

[5.1](#) YP-Z3950R Service Template

   "Sevice Discover Multicast Address = NONE

    Service type = yp-z3950r

    Version   = 0.0

    Language tag = en

    Description =
      The yp-z3950r (or Yellow Pages by Z39.50) service type provides
      attributes for looking up documents via the Z39.50 protocol.

    Authorization policy = :: NONE ::
      A text description of any authentication requirements for use of
      this server.

    Use policy = :: NONE ::
      A text description of any intended Use policy for this server.

    Access protocol = :: Z39.50 ::
      The access protocol used by this server (to
      distinguish from other servers)."

[6](#). Specification of YP-Z3950S Service

   This section specifies the template for the service "yp-z3950s,"
   which is for providing a "Yellow Pages" service for locating
   documents using Z39.50 [8] as the access protocol.

   The syntax for the URL path is specified in [9].

[6.1](#) YP-Z3950S Service Template

   "Sevice Discover Multicast Address = NONE

```
 Service type = yp-z3950s

 Version     = 0.0

 Language tag = en

 Description  =
   The yp-z3950s (or Yellow Pages by Z39.50) service type provides
   attributes for looking up documents via the Z39.50 session.

 Authorization policy = :: NONE ::
   A text description of any authentication requirements for use of
   this server.

 Use policy = :: NONE ::
   A text description of any intended Use policy for this server

 access protocol = :: Z39.50 ::
   The access protocol used by this server (to
   distinguish from other servers)."
```

7. Security Considerations

The templates presented here are subject to the same implications as
other service templates specified according to [2] and [10].

8. Acknowledgments

This document is partially supported by the National Science
Foundation, Cooperative Agreement NCR-9218179.

9. References

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

     [1]   R. Moats, M. Hamilton, "Advertising Services,"
Internet Draft (work in progress), February 1997.

     [2]   E. Guttman, "The service: URL Scheme," Internet
Draft (work in progress), 20 November 1996.

     [3]   W. Yeong, T. Howes, S. Kille, "Lightweight Direc-
tory Access Protocol," RFC 1777, March 1995.

     [4]   T. Howes, M. Smith, "An LDAP URL Format," RFC 1959,
June 1996.

[5]   P. Deutsch, R. Schoultz, P. Falstrom, C. Weider,
              "Architecture of the WHOIS++ service," RFC 1835,
              August 1995.

[6]   M. Hamilton, "WHOIS++ URL Specification," Internet
              Draft (work in progress), July 1996.

[7]   R. Hedberg, S. Dorner, P. Pomes, "The CCSO
              Nameserver (Ph) Architecture," Internet Draft (work
              in Progress), August 1996.

[8]   ANSI/NISO Z39.50-1995, "ANSI Z39.50: Information
              Retrieval Service and Protocol," 1995. Available
              from <ftp://ftp.loc.gov/pub/z3950/>

[9]   R. Denenberg, J. Kunze, D. Lynch, "Uniform Resource
              Locators for Z39.50," RFC 2056, November 1996.

[10]   J. Veizades, E. Guttman, C. Perkins, S. Kaplan,
              "Service Location Protocol," Internet Draft (work
              in progress), 8 January 1997.

10. Author's addresses

Ryan Moats
AT&T
15621 Drexel Circle
Omaha, NE 68135-2358
USA

Phone: +1 402 894-9456
EMail: jayhawk@ds.internic.net