                        The NIS Service Type
                    draft-ietf-svrloc-nis-scheme-00.txt

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Abstract

   This document describes the NIS service type. NIS is a naming
   service which serves as a repository for UNIX-style system
   information. This service type can be used to dynamically discover
   NIS servers.

[1](). **Introduction**

   NIS stands for Network Information Service, and was formerly known as
   YP. It uses ONC RPC [1]() as its transport mechanism. This document
   describes a template providing a service: URL and attributes useful
   for dynamically discovering NIS+ servers; this type can be used with
   SLP [2](). Service templates and service: schemes are defined in [3]().

This type is intended to be used as a concrete portion of the
abstract naming-directory type defined in [4]. The NIS type
includes all attributes from the naming-directory abstract type.

For usage examples, refer to [4].

3. The NIS Service Type

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Language of service template: en
Security Considerations:
  This NIS service type inherits the security considerations from the
  naming-directory service type [4].

Template text:
------------------------template begins here-----------------------
template-type=naming-directory:nis

template-version=0.0

template-description=
  This is a concrete type; the abstract type for this service
  is naming-directory (described in [4]). This type is used by
  NIS+ servers to advertise their services and NIS+ clients
  which wish to discover NIS+ servers.

template-url-syntax=
  url-path   = "nis://" addr "/" domain
  addr   = ipv4-addr
  domain   = string / string "." domain
  ipv4-addr   = 1*3DIGIT 3("." 1*3DIGIT)
  string   = ISO Latin 1 character set except the
                  character '/' (slash). The initial character
                  may not be a terminal character or the
                  characters '@' (at), '+' (plus), or (`-')
                  hyphen.

-------------------------template ends here-----------------------

References:

  [1] Sun Microsystems, Inc., RPC: Remote Procedure Call: Protocol
       Specification Version 2, RFC 1057 June 1988.

  [2] E. Guttman, C. Perkins, J. Veizades, M. Day. Service Location

Protocol. draft-ietf-svrloc-protocol-v2-10.txt, July 1998 (work in
      progress).

  [3] E. Guttman, C. Perkins, J. Kempf, Service Templates and service:
      Schemes. draft-ietf-svrloc-service-scheme-12.txt
      March, 1998 (work in progress).

  [4] J. Wood, R. Tam, The Naming and Directory Service Abstract Type.
      draft-ietf-svrloc-naming-directory-00.txt, November 1998 (work in
      progress).