

Application Working Group  
INTERNET-DRAFT  
Expires in six months from  
Intended Category: Informational

L. Howard  
PADL Software  
18 June 2002

A Structural Object Class for Arbitrary Auxiliary Object Classes  
<[draft-howard-namedobject-00.txt](#)>

#### Status of this Memo

This document is an Internet-Draft and is in full conformance with all provisions of [Section 10 of RFC2026](#).

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. Internet-Drafts may be updated, replaced, or made obsolete by other documents at any time. It is not appropriate to use Internet-Drafts as reference material or to cite them other than as a "working draft" or "work in progress".

The list of current Internet-Drafts can be accessed at  
<http://www.ietf.org/1id-abstracts.html>

The list of Internet-Draft Shadow Directories can be accessed at  
<http://www.ietf.org/shadow.html>

Distribution of this document is unlimited.

#### Abstract

The Lightweight Directory Access Protocol (LDAP) supports auxiliary object classes for adding additional attributes to a directory entry.

This document defines a structural object class that may be used when no other structural object class is available.

## **1. Background**



Schema for LDAP directories often define auxiliary object classes that are intended to be used with a specific structural object class.

For example, the posixGroup object class [[RFC2307bis](#)] is an auxiliary object class that may be used to overlay POSIX group identification on an existing group of distinguished names. In this case, it is suggested that the groupOfUniqueNames object class be used as a structural object class. However, this may sometimes be inappropriate: that groupOfUniqueNames requires at least one member may make it impossible to migrate existing group information. [[RFC2307bis](#)] could define a specific structural object class for this case (say, structuralPosixGroup), but this would unnecessarily add to the proliferation of redundant schema.

This document defines a structural object class, namedObject, that mandates no attributes other than a common name. Arbitrary auxiliary object classes may be thus associated with entries which have this as a structural object class.

## 2. Object Class Definitions

The namedObject object class defines one mandatory attribute, a common name. The OID arc is iso(1) org(3) dod(6) internet(1) private(4) enterprise(1) padl(5322) namedObjectSchema(13) objectClasses(1).

```
( 1.3.6.1.4.1.5322.13.1.1 NAME 'namedObject' SUP top
  STRUCTURAL MAY cn )
```

Other attributes allowed by auxiliary classes may be used for naming purposes.

An example entry would be:

```
dn: cn=Sample Entry,dc=padl,dc=com
objectClass: top
objectClass: namedObject
cn: Sample Entry
```

An example entry with an auxiliary class from [[RFC2307bis](#)] would be:

```
dn: cn=wheel,ou=Groups,dc=padl,dc=com
objectClass: top
objectClass: namedObject
objectClass: posixGroup
cn: wheel
gidNumber: 0
memberUid: root
```



### **3. References**

[RFC2251]

M. Wahl, T. Howes, S. Kille, "Lightweight Directory Access Protocol (v3)", [RFC 2251](#), December 1997.

[RFC2252]

Wahl, M., Coulbeck, A., Howes, T., and S. Kille, "Lightweight Directory Access Protocol (v3): Attribute Syntax Definitions", [RFC 2252](#), December 1997.

[RFC2307bis]

L. Howard, M. Ansari, "An Approach for Using LDAP as a Network Information Service", March 2001.

### **4. Author's Address**

Luke Howard  
PADL Software Pty. Ltd.  
PO Box 59  
Central Park Vic 3145  
Australia  
EMail: [lukeh@padl.com](mailto:lukeh@padl.com)

### **5. Full Copyright Statement**

Copyright (C) The Internet Society (2001). All Rights Reserved.

This document and translations of it may be copied and furnished to others, and derivative works that comment on or otherwise explain it or assist in its implementation may be prepared, copied, published and distributed, in whole or in part, without restriction of any kind, provided that the above copyright notice and this paragraph are included on all such copies and derivative works. However, this document itself may not be modified in any way, such as by removing the copyright notice or references to the Internet Society or other Internet organizations, except as needed for the purpose of developing Internet standards in which case the procedures for copyrights defined in the Internet Standards process must be followed, or as required to translate it into languages other than English.

The limited permissions granted above are perpetual and will not be revoked by the Internet Society or its successors or assigns.

This document and the information contained herein is provided on an "AS IS" basis and THE INTERNET SOCIETY AND THE INTERNET ENGINEERING TASK



FORCE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

--

Luke Howard | [lukehoward.com](http://lukehoward.com)

PADL Software | [www.padl.com](http://www.padl.com)