

Commonly asked questions, what is NDS & LDAP?

NDS Novell Directory Services

A distributed, replicated naming service that maintains information about, and provides access to, every resource on the network. *Currently used at BCC to sign on to your workstation or accessing CID.*

LDAP Lightweight Directory Access Protocol

Allows a client to search through a large database of addresses, phone numbers, and people stored on a server. *Currently used at BCC for access authentication to our applications. (For Example CID)*

Other Novell Definitions

NDS

Novell Directory Services

A distributed, replicated naming service that maintains information about, and provides access to, every resource on the network.

Also, Network Disk Subsystem.

LDAP

Lightweight Directory Access Protocol

An X.500-related Open Systems Interconnection (OSI) protocol that clients can use to read and write Directory information. LDAP is used to publish Directory information such as telephone numbers and e-mail addresses.

The Directory features available to LDAP clients are dependent upon the features built into the LDAP server and the LDAP client; some clients have the ability to read and write data; others can only read Directory data.

Web browsers and e-mail programs can query an LDAP-compliant directory (for example, Novell eDirectory).

LDAP allows a client to search through a large database of addresses, phone numbers, and people stored on a server.

NDS browser

Novell Directory Services browser

An application that allows clients to view objects and their attributes within the NDS tree. NDS browsers are available on many platforms, including an HTML browser for Netscape Navigator.

NDS browser tool

Novell Directory Services browser tool

The tool that is activated by default when NetWare Administrator starts up. It provides a main view in which NDS appears as an expandable and collapsible tree. It is also called the "NetWare Administrator browser" or simply "the browser."

NDS database

The database used by Novell Directory Services (NDS). It contains information about every resource on the network, including users, groups, printers, volumes, and computers.

NDS management request

Novell Directory Services management request

A request that controls the physical distribution of the NDS database. Through these requests, network administrators can create new NDS partitions and manage their replicas. The following requests are supported:

- Add replica
- Delete replica
- List replicas
- Change replica type
- Send updates to other replicas
- Receive updates from other replicas
- Create a new partition
- Merge partition
- Abort partition operation

NDS Manager

Novell Directory Services Manager

The graphical utility used to manage NDS partitions, replicas, and schemas.

NDS object

Novell Directory Services object

A record in the NDS database representing a network resource, such as an Organizational Unit, User, Printer, or Group.

NDS partition

A subtree within the Novell Directory Services (NDS) tree.

See also [NetWare partition](#).

NDS replica

Novell Directory Services replica

A copy of an NDS partition.

For the NDS database to be distributed across a network, it must be stored on many servers. Rather than storing a copy of the whole NDS database on each server, NDS replicas of each partition are stored on many servers throughout the network. Administrators can create an unlimited number of NDS replicas for each partition and store them on any server. NDS replicas serve two purposes: they eliminate single points of failure, and they provide faster access to information for users across WAN links.

Types of NDS replicas include master replicas, read/write replicas, read-only replicas, and subordinate reference replicas. To maintain fault tolerance, the replicas of a partition are periodically (and automatically) updated, or synchronized.

NDS rights

Novell Directory Services rights

The authority to access or manage NDS objects or their properties. The object holding authority is called the trustee, and the NDS object being accessed or managed is called the target.

NDS schema

Novell Directory Services schema

The rules that define what will become an NDS object (such as a User, a Printer, or a Group) and which information is required or optional at the time that the NDS object is created.

NDS server

Novell Directory Services server

A server hosting NDS operations, with the capability of holding and synchronizing replicas.

NDS tree

Novell Directory Services tree

A hierarchical structure of objects in the NDS database. The NDS tree includes container objects that are used to organize the network and leaf objects that represent resources.