

Digital Discovery System (DDS)

The [Digital Discovery System \(DDS\)](#) software is an XML repository search server that provides a search API built on top of [Lucene](#). A DDS repository can be populated through a repository service API or by pointing it to XML files on disc. It is optimized to support the rapid construction of audience-specific portals and applications and can be flexibly configured to search over any XML structure. An instance of the DDS is hosted at [nsdl.org](#) to provide the [Search API](#) over library collections. The DDS software may also be downloaded for use locally.

See it in Action

Web sites and applications that use DDS:

- [NSDL.org search and browse](#)
- [NSDL STEM Exchange](#)
- [DLESE Library](#)
- [Middle School Portal 2](#)
- [Curriculum Customization Service, Denver Public Schools](#)
- [NCAR Library OpenSky](#)
- [DLESE Maps](#) (Illustrates Geospatial search capability)

Get Involved

- For suggestions, questions, and more information, please send your inquiry to NSDL via the [contact form](#)

Download Links

- [DDS Software Download Page \(DLESE\)](#)

Prerequisites

- [Java 5 or Java 6](#)
- [Apache Tomcat 5.5 or 6](#)

Documentation

- [Services and APIs Documentation](#)
- [Installation and Configuration Instructions](#)

Additional Information

Supporting Documents

- [A web service framework for embedding discovery services in distributed library interfaces \(JCDL 2005\)](#).