A Digital Library and Digital Preservation Architecture Based on Fedora
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Download the original PowerPoint Presentation on which this electronic publication is based.

Definitions and Websites

- **The Digital Object**
  The digital object is the basic unit of management, encapsulating all essential information about the “document” to be disseminated and preserved

- **Digital Libraries**
  "...organizations that provide the resources, including the specialized staff, to select, structure, offer intellectual access to, interpret, distribute, preserve the integrity of, and ensure the persistence over time of collections of digital works so that they are readily and economically available for use by a defined community."
  – Donald J. Waters

- **Institutional Repository**
  "...a set of services that a university offers to the members of its community for the management and dissemination of digital materials created by the institution and its community members."
  – Clifford Lynch

See the NJ Digital Highway - [http://www.njdigitalhighway.org/](http://www.njdigitalhighway.org/):
The Fedora Infrastructure

- **The Infrastructure (from Fedora: Flexible Extensible Digital Object Repository Architecture)**
  - An extensible digital object model
  - APIs for developing new applications
  - Disseminators for specialized object behaviors
  - Scalable, persistent storage for content and metadata
  - Content versioning and audit trails
  - Metadata harvesting

- **Development and Integration (by Rutgers University Libraries)**
  - Design of the digital object architecture
  - Integration of key technologies and standards (persistent IDs, digital signatures, etc.)
  - Services for collections, preservation and security
  - Development of applications

http://pcsp.libraries.rutgers.edu/
Continuing Directions for Rutgers University Libraries

- **Institutional Repository**
  - Develop a trusted repository
  - Provide faculty repository services
  - Encourage new roles within the Library: digital publishing, digital preservation, creation services

- **Digital Preservation**
  - Develop preservation services as part of Fedora
  - Seek certification as a trusted repository

- **Sustainability and Modularity**
  - Leverage Open Source software
  - Continue R&D in special areas
  - Share our work with others