

fedora



Research Foundations & Project History

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1995 - Kahn/Wilensky

- “Digital Object”
 - Has Key Metadata
 - Holds Typed Data
- “Handle”
 - For identification
 - ...and resolution

1996 – Warwick Framework

- “Container”
 - Has an Identifier (URN or Handle)
 - Holds Packages
- “Package”
 - A set of Metadata (DC, MARC, etc)
 - A container
 - A container reference

1997 – Distributed Active Relationships

- “Warwick Framework Catalog”
 - A special type of package
 - Expressed relationship of container to packages within.
- Relationships can be “active”
 - Package content may be produced at access time

1998 – Original FEDORA

- “Digital Object”
 - Unique Identifier
 - Set of “Datastreams”
 - Set of “Disseminators”
- “Disseminator”
 - Named set of service requests
 - Primitive
 - Custom

1999-2000 UVA Prototype

- Web-based Prototype
- Scaled to 10M objects
- Applied for grant

2001-2004 – Web Services Phase

- Initial support from the Mellon Foundation
- Major Goals:
 - Open Source
 - Open Architecture
 - Exposed via the web
 - Based on freely-available technologies
 - Support for versioning

2004-2007 – Semantic Phase

- Additional support from the Mellon Foundation
- Major Goals:
 - Scalability
 - Security
 - Relationships

2007-2009 – Enterprise Phase

- Additional support from the Mellon Foundation
- “Enterprise” Goals:
 - Transactions
 - Messaging
 - Workflow

Future – Fedora Commons

- Non-Profit Organization – 501(c)(3)
- Initial support: Proposal to Moore Foundation
- Long-term Sustainability
 - Member Organizations
 - Non-Profit Services

References

- Kahn/Wilensky

- <http://www.cnri.reston.va.us/k-w.html>

- Warwick Framework

- <http://www.dlib.org/dlib/july96/lagoze/07lagoze.html>

- Distributed Active Relationships

- <http://citeseer.ist.psu.edu/daniel97distributed.html>

- Virginia Dons FEDORA

- <http://www.dlib.org/dlib/july00/staples/07staples.html>

- Fedora: Complex Objects & Relationships

- <http://arxiv.org/abs/cs/0501012>

- Fedora Today

- <http://www.fedora.info/>