



# LINKED DATA AS TRANSFORMATION

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April 3, 2012

# Linked Data Tenets

- Use URI's to name things on the Web
- Use HTTP URIs so that someone can look them up
- Have the information provided be useful
- Provide links to other URIs

# Linked Data → RDF

- RDF = Resource Description Framework
- Triple = Subject – Predicate – Object
- The Raven (subject)
  - Has Author (predicate)
    - Edgar Allen Poe (object)

# Edgar Allen Poe

- Poe, Edgar Allan, 1809-1849
- Edgar Allan Poe
- E. A, Poe
- Is it *Allan* or *Allen*?
- <http://id.loc.gov/authorities/names/n79029745.html>

# Bibliographic Records


- Controlled record structure
- Controlled access points
- MARC as communication format

# Drawbacks to the Record Ecosystem

- Record Maintenance
- Relational Databases

# Why Linked Data?

- Linked Open Data (LOD) puts information on the Web
- Expands discoverability
- Opens opportunities for creative innovation
- Continuous improvement of data
- Creates a store of machine-actionable data
- Breaks down silos
- Provides direct access to data

Author/Creator:	Kreisler, Fritz, 1875–1962.
Imprint:	Pembury, Kent : Pearl, [1975]
Format:	 Music – Recording 1 sound disc : 33 1/3 rpm, mono. ; 12 in.
Note:	Title from container spine.
Contents:	<ul style="list-style-type: none"> <li>o Double concerto in D minor, BWV 1043 / Bach (with: Efrem Zimbalist, violin ; string quartet)</li> <li>o Four encores (with piano) : Chant sans paroles / Tchaikovsky (originally for piano). Air on the G string / Bach (originally for orchestra). Sarabande / Sulzer. L'abeille / Schubert</li> <li>o Violin concerto no. 4 in D major, K. 218 / Mozart (with: London Symphony Orchestra ; Sir Landon Ronald, conductor)</li> </ul>
Participant:	Fritz Kreisler, violin, with various accompaniments.
Event:	Recorded 1904–1924.
Contributor:	Zimbalist, Efrem. Performer Ronald, Landon, Sir, 1873–1938. Conductor London Symphony Orchestra Performer
Included Work:	<p>Bach, Johann Sebastian, 1685–1750. Concertos, violins (2), string orchestra, BWV 1043, D minor.</p> <p>Tchaikovsky, Peter Ilich, 1840–1893. Souvenir de Hapsal. Chant sans paroles; arr.</p> <p>Bach, Johann Sebastian, 1685–1750. Suites, orchestra, BWV 1068, D major. Air; arr.</p> <p>Sulzer, Joseph. Saraband, violin, piano, op. 8.</p> <p>Schubert, Franz, 1797–1828. Bagatelles, violin, piano, op. 13. Abeille.</p> <p>Mozart, Wolfgang Amadeus, 1756–1791. Concertos, violin, orchestra, K. 218, D major.</p>
Related Work:	Mozart and Bach concertos.
Subjects:	<p>Concertos (Violins (2) with string ensemble)</p> <p>Violin and piano music, Arranged.</p> <p>Violin and piano music.</p> <p>Concertos (Violin)</p>