

Table of Contents for the RDF, RDFS, and OWL Slides

The early files of slides are accompanied by “Guide” PDF files (which should be read before reading the corresponding slides) and “Summary PDF files (which contain summaries of the corresponding slides). Some files of slides contain summaries of rules, and some contain additional information. Much of the material in the slides is from D. Allemang and J. Hendler, *Semantic Web for the Working Ontologist: Effective Modeling in RDFS and OWL* (2nd ed., Morgan Kaufmann, 2011), abbreviated “A&H” below.

RDF1.ppt: Intro to RDF, N-Triples, N3

GuideRDF_Slides1.pdf

RDF2.ppt: RDF/XML

GuideRDF_Slides2.pdf **RDF2Summary.pdf**

AdditionalN3.ppt: Covers the @base directive for N3

RDF_Other.ppt: containers, collections, reification, rdf:value, XML literals

GuideRDF_Other_Slides.pdf **RDF_OtherSummary.pdf**

RDFS.ppt: RDFS

GuideRDFS.doc **RDFS_Summary**

RDF_Modeling.ppt [This is modeling with RDF and RDFS—must be after RDFS]

This is all from A&H Chap. 6 (“RDF Schema”) except for the early parts: “RDF and Tabular Data” is from A&D Chap 3 (pp. 44 ff.), “RDF and Inferencing” draws from A&H Chap. 5

SummaryModelingWithRDF.pdf **RulesModelingRDFS.pdf**

RDFS_Plus.ppt

RDFS_PlusConstrSummary.pdf **RDFS_PlusSummary.pdf**

RDFS-PlusApplications.ppt: SKOS, FOAF, DC

SKOS and FOAF is from A&H Chap. 8 (“Using RDF-Plus in the Wild”) plus some of my own; DC is my stuff

BasicOwl.ppt

This is from A&H Chap. 9 (“Basic Owl”)

Sets.ppt: 10 slides on the math of sets (my stuff)

Sets.pdf

SetsInOWL.ppt

This is from A&H Chap. 10 (“Counting and Sets in OWL”)