

WTF is RDF?

A Session for Beginners.

Tom Morris

Resource Description Framework.

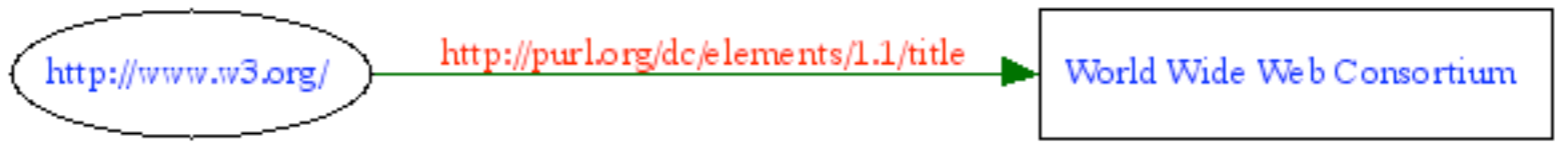
'RDF-M&S' 1999
Recommendation.
RDFIG formed.

Documents updated in
2004.

Now split into six
documents.

Primer
Schema
RDF/XML Syntax Specification
Concepts and Abstract Syntax
Semantics
Test Cases

**Directed acyclic
graph.**



<http://www.w3.org/> <http://purl.org/dc/elements/1.1/title>
"World Wide Web Consortium".

```
<?xml version="1.0"?>
<rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:dc="http://purl.org/dc/elements/1.1/">
  <rdf:Description rdf:about="http://www.w3.org/">
    <dc:title>World Wide Web Consortium</dc:title>
  </rdf:Description>
</rdf:RDF>
```

Subject.
Predicate.
Object.

Subject and predicate
are Resources.

What's a Resource?

Not a Literal.

Literals - numbers
and strings.

Literals can be typed
using XSD.

They can also have a
language tag
(eg. "en" or "fr").

<#pat> <#knows> <#jo>.

```
@prefix : <#> .  
:pat :knows :jo.  
:pat :name "Pat".
```

```
@prefix : <#> .  
:pat :knows :jo;  
      :name "Pat".
```

@prefix : <#> .
:pat :knows :jo, :mike.

@prefix : <#> .
:pat a :Person.

Capitals are a custom.

a is N3 syntax - it's
actually mapping to a
URI - `rdfs:type`.

Tools - Java, C, Perl,
Python, PHP and Ruby.

What else? `cwm` is the
`sed/awk` of RDF.

Tip: Start with
Notation 3 (N3).

TimBL's Primer:

[http://www.w3.org/2000/10/
swap/Primer.html](http://www.w3.org/2000/10/swap/Primer.html)

Solving Problems with the Resource Description Framework

Practical

RDF



O'REILLY

Shelley Powers

<http://www.oreilly.com/catalog/pracrdf/>

irc.freenode.net #swig
24x7 Hack and Chat!

Mailing list:

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[http://www.w3.org/
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