

RDF

1. RDF: Resource Description Framework
2. For representing information about resources available on the web.
3. RDF is a special restricted form of XML
4. Forms foundation of semantic web.

Example

```
<?xml version="1.0"?>
<rdf:RDF xmlns:rdf=
  "http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:pterm=
    "http://publisher.example.com/terms/#">
  <rdf:Description rdf:about=
    "http://people.example.com/jane.html">
    <pterm:sells rdf:resource=
      "http://publisher.example.com/books/" />
  </rdf:Description>
</rdf:RDF>
```

RDF File

```
<?xml version="1.0"?>
<rdf:RDF xmlns:rdf=
  "http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  .....>
  <rdf:Description ...>
    .
    .
  </rdf:Description>
  .
  .
  <rdf:Description ..>
    .
    .
  </rdf:Description>
</rdf:RDF>
```

Descriptions

```
<rdf:Description about=  
"http://rama.cpe.fr/index.html">
```

```
.....
```

```
</rdf:Description>
```

```
<rdf:Description ID="foo">
```

```
.....
```

```
</rdf:Description>
```

```
<rdf:Description>
```

```
.....
```

```
</rdf:Description>
```

Another

```
<?xml version="1.0" encoding="UTF-8"?>
<rdf:RDF xmlns:rdf=
  "http://www.w3.org/1999/02/22-rdf-syntax-ns#"
    xmlns:dc=
      "http://purl.org/DC/#">
    xmlns:os=
      "http://somesite.org/Schema/#">
  <rdf:Description rdf:about=
    "http://rama.cpe.fr/index.html">
    <dc:Creator rdf:resource=
      "mailto:am@cpe.fr"/>
    <dc>Title>Index of my wb site</dc>Title>
  <dc:Creator>
    <rdf:Description about=
      "mailto:champin@cpe.fr">
      <os:worksWith rdf:resource=
        "mailto:am@cpe.fr">
    </rdf:Description>
  </dc:Creator>
</rdf:Description>
</rdf:RDF>
```

Additional Syntax

```
<rdf:Description ID="fatherOf">
  <rdf:type rdf:resource=
    "http://www.w3.org/1999/02/22-rdf-syntax-ns#Pr
  <rdf:label> father of</rdf:label>
  <rdfs:subPropertyOf rdf:resource="#parentOf">
</rdf:Description>
```

Can abbreviate to:

```
<rdf:Description ID="fatherOf" rdfs:label="father
  <rdfs:subPropertyOf rdf:resource="#parentOf">
</rdf:Description>
```