

RDFa

Resource

Description

Framework

in **a**tttributes

Why RDFa?

- **Microformats**
- **Microdata**
- **RDFa — W3C recommendation!**

RDFa Triplet

Subject — **Predicate** — **Object**

User **wrote** **article**

Article **written by** **user**

Article **title is** **Spring**

Example HTML code

```
<div about="/article" typeof="foaf:Document">  
<h1 property="dc:title">Spring</h1>  
<div rel="sioc:has_creator">  
  By <a href="/user" typeof="foaf:Person">Eva</a>  
</div>  
</div>
```

Spring

By Eva

Vocabularies

- **Define subject types and its descriptions**
- **Define predicates and its meanings**

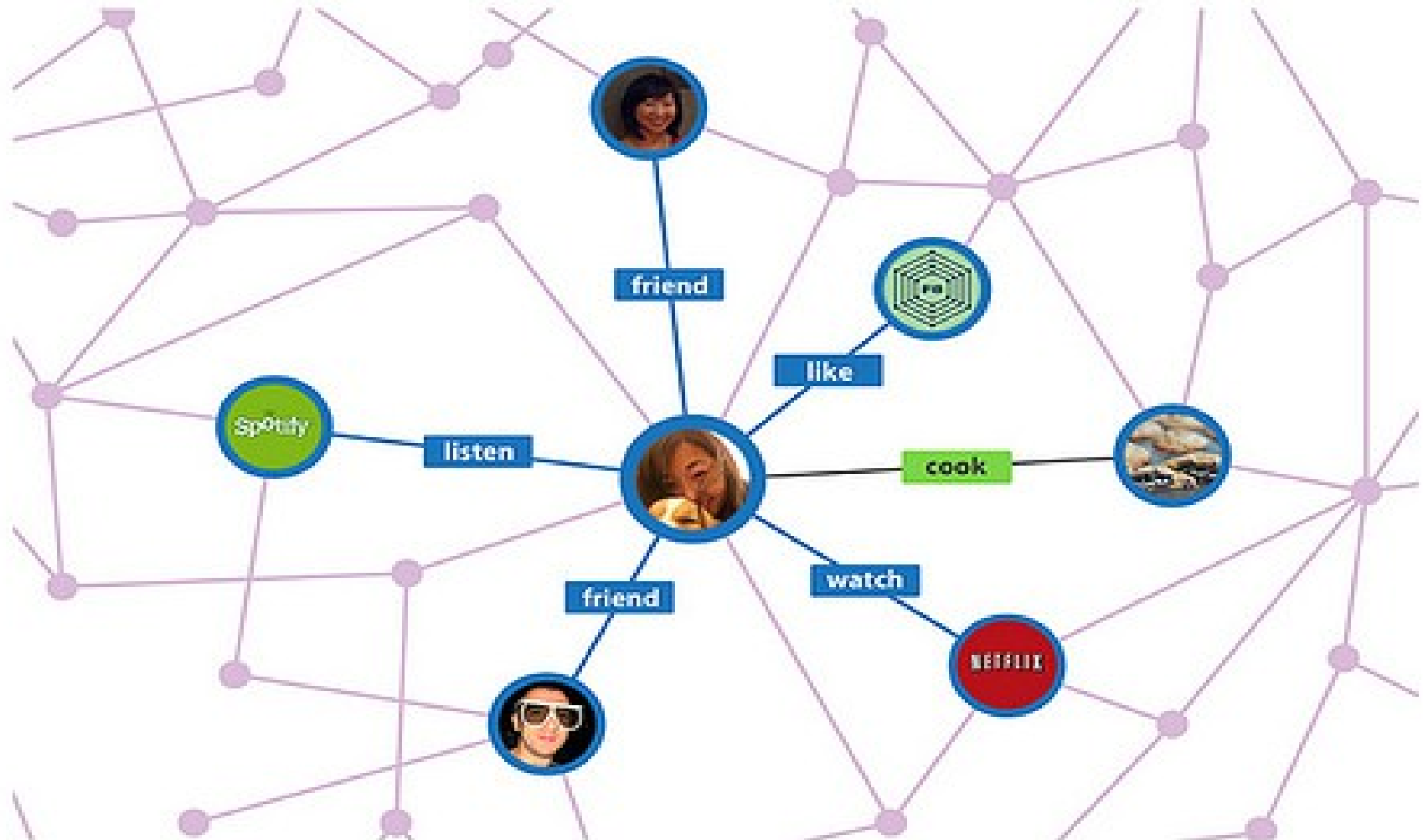
Examples: sioc, foaf, dc

Semantic web

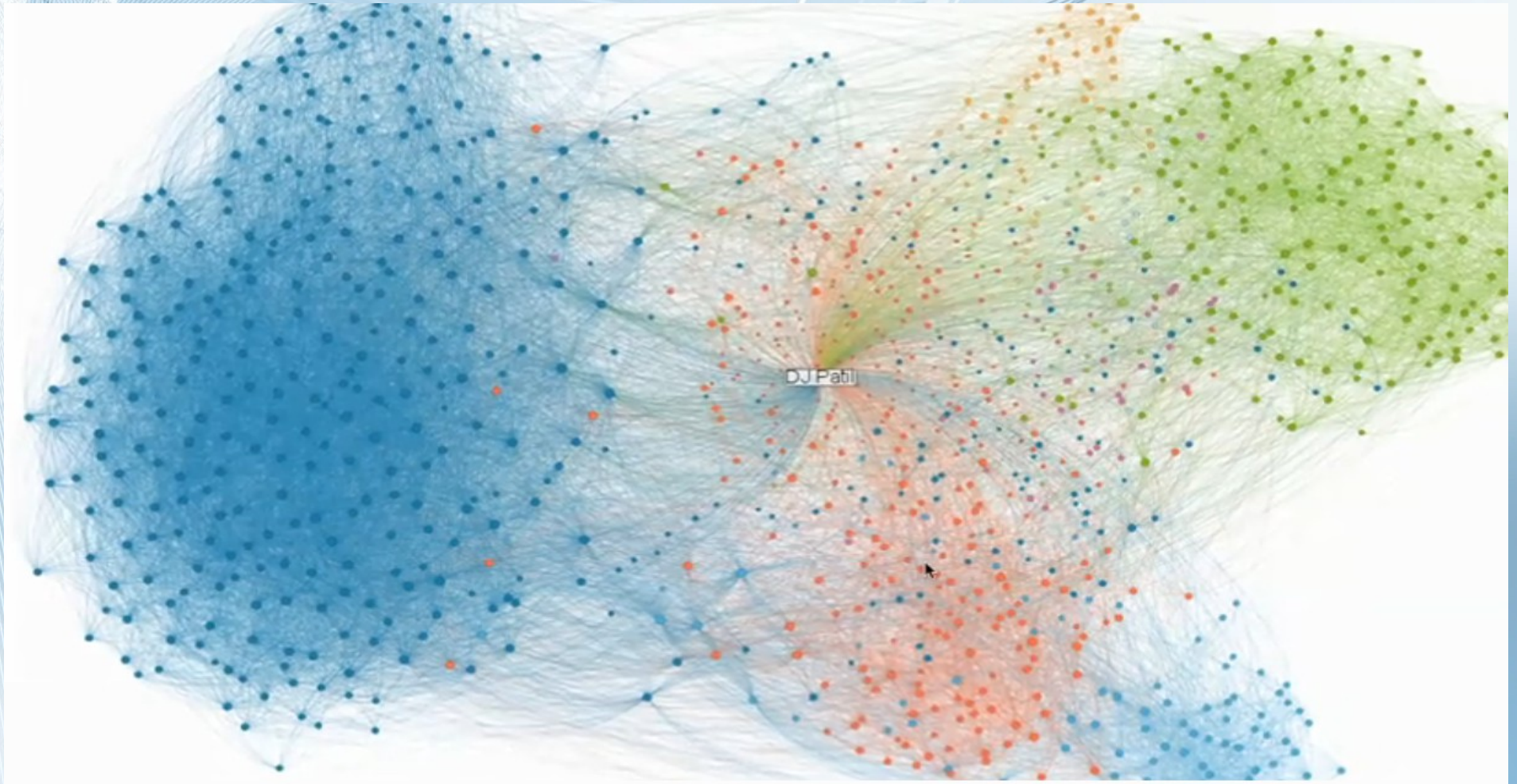
Machine sees what user sees

- 1) It's an article**
- 2) Article has title**
- 3) Article title is Spring**
- 4) Article has author**
- 5) Webpage of the author is known**
- 6) Author's name is Eva**

Linked data



Future linked data



Profits

- **Google's Search Results**
- **Semantic web**
- **Linked data**
- **Visible by machine**
- **This is the future!**

Modules

1) RDF (rdf)

Drupal core module

2) RDF UI (rdfui)

Drupal submodule

of RDFx contrib module (rdfx)

RDF module

- 1) Support RDFa technology**
- 2) Default settings**

RDF UI module

- 1) Ability to change RDF types for contents**
- 2) Ability to assign RDF predicates to content fields**

Using

- 1) Enable modules `rdf`, `rdfx`, `rdfui`
- 2) Create/edit node type
- 3) In vertical tab «RDF Settings» define subject type of content. (`foaf:Person`, `foaf:Document`, `sioc:Item`)
- 4) Create/edit fields
- 5) In «RDF Mapping» section assign RDF predicate, attribute type and data type (`dc:title`, `sioc:has_creator`, `foaf:firstName`)

Visual representation

- **RDFa play**

<http://rdfa.info/play/>

- **Google tool**

<http://www.google.com/webmasters/tools/richsnippets>

THE END

- Author: Kuznetsov Denis
denis.kuznetsov.kalistos@gmail.com