

Module::Install::DOAPChangeSets::Format(3pm) Module::Install::DOAPChangeSets::Format(3pm)

NAME

Module::Install::DOAPChangeSets::Format – vocabulary guide

DOAP CHANGESETS FORMAT

DOAP Changesets are written in RDF – normally serialised as Turtle, though other serialisations are fine. (The Module::Install::DOAPChangeSets module supports any input format recognised by RDF::Trine.)

This document assumes a good working knowledge of RDF and Turtle.

You would normally describe your project in a file called “meta/changes.ttl” from which a changelog called “Changes” will be automatically built at packaging time.

Namespaces

You will want to define at least the following namespaces:

```
@prefix :      <http://usefulinc.com/ns/doap#> .
@prefix dc:    <http://purl.org/dc/terms/> .
@prefix dcs:   <http://ontologi.es/doap-changeset#> .
@prefix foaf:  <http://xmlns.com/foaf/0.1/> .
@prefix rdfs:  <http://www.w3.org/2000/01/rdf-schema#> .
@prefix xsd:   <http://www.w3.org/2001/XMLSchema#> .
```

And you should define a namespace specific for your distribution:

```
@prefix my:    <http://purl.org/NET/cpan-uri/dist/Example-Example/> .
```

Describing the Changeset Document

You should now give the Changeset document itself a description. At a minimum, you must set the dc:subject.

```
<>
  dc:title      "Changes for Example-Example" ;
  dc:subject    my:project ;
  dc:creator    my:developer .
```

Describing the First Release of the Distribution

Use DOAP to describe the first version of the distribution. At the very least you need to include its revision (version number):

```
my:v_0-01
  a          :Version ;
  dc:issued  "2007-12-20"^^xsd:date ;
  :revision  "0.01"^^xsd:string .
```

You would not normally list any changes against the first release, as nothing has been changed.

Describing Subsequent Releases

For subsequent releases, you add a changeset to a release description:

```
my:v_0-02
  a          :Version ;
  dc:issued  "2007-12-29"^^xsd:date ;
  :revision  "0.02"^^xsd:string ;
  rdfs:label "The 0.02nd Coming" ; ## a "title" for the release
  dcs:changeset [
    dcs:item
      [ rdfs:label "Example change." ] ,
      [ rdfs:label "Example bugfix." ; a dcs:Bugfix ] ,
      [ rdfs:label "Example new feature." ; a dcs:Addition ] ,
      [ rdfs:label "Example removal." ; a dcs:Removal ]
  ] .
```

Describing the Distribution

Use DOAP to describe the distribution. At the very least you need to assert that the project is a Project and provide a name for it. You must also list all the releases you wish to appear in the human-readable Changes file generated by the Module::Install::DOAPChangeSets module. There are plenty of other properties in DOAP which you can also use.



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```
my:project
  a          :Project ;
  :name      "Example-Example" ;
  :shortdesc "Just an example!" ;
  :programming-language "Perl" ;
  :created   "2007-12-18"^^xsd:date ;
  :maintainer my:developer ;
  :homepage  <http://search.cpan.example.org/dist/Example-Example/> ;
  :bug-database <http://rt.cpan.example.org/Dist/Display.html?Queue=Example-Example> ;
  :release   my:v_0-01 , my:v_0-02 .
```

Describing a Developer

Developers should be described using FOAF. At the very least, include a name. A CPAN e-mail address is also a good idea.

```
my:developer
  a          foaf:Person ;
  foaf:name  "Joe Bloggs" ;
  foaf:mbox   <mailto:joebloggs AT cpan DOT example DOT org> ;
  foaf:page   <http://search.cpan.example.org/~joebloggs/> .
```

Legacy Support

The module has legacy support for Aaron Cope’s “changefile” vocab, but this is not thoroughly tested. Changelogs written in this vocab tend to use DOAP incorrectly, so I discourage using this vocab.

SEE ALSO

Module::Install, Module::Install::DOAPChangeSets .

<<http://www.perlrdf.org/>>, <<http://purl.org/NET/cpan-uri/>>.

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