



shaping tomorrow with you

Forms to direct interaction with Linked Data Platform APIs

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- Approach to building APIs based on REST and Linked Data
- Progenitors create Progeny, based on supplied parameters
- But, how to guide the parameters to be supplied ?

- The Web for Robots  as well as the Web for People 



a Greeter has an collection of Greetings

de-referencing a specific Greeting



a Greeter supplies a link to create new Greetings

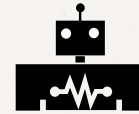
the collection not a dumb box of things
ability to create new things based on supplied parameters

creation is not cloning !

the form is guidance for the parameters



the created resource is based on the input parameters



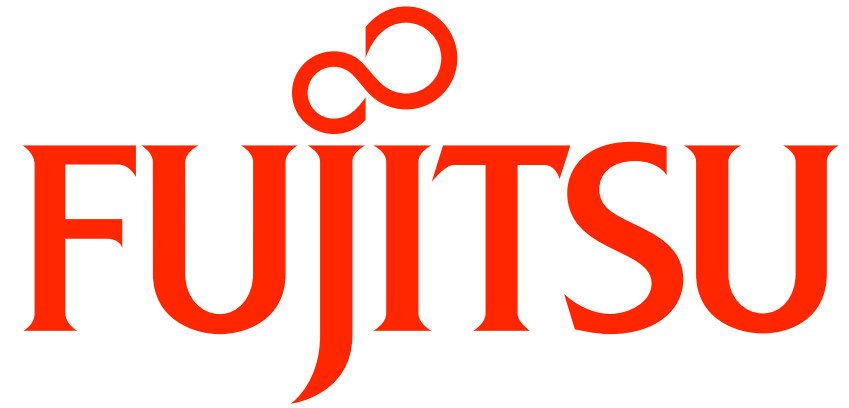
```
</bfw> a hw:Greeter ;
  hw:has_greeting </bfw/34>, </bfw/556>, </bfw/12> ;
</bfw:greetings>a ldp:Container;
  ldp:membershipSubject </bfw>;
  ldp:membershipPredicate hw:has_greeting ;
  ldp:membershipObject ldp:MemberSubject;
```

```
</bfw/556> a hw:Greeting ;
  hw:message "hello Paul" ;
  dcterms:created "2013-05-05T10:00"^^xsd:dateTime .
```

```
</bfw:greetings>a ldp:Container;
  ldp:membershipSubject </bfw>;
  ldp:membershipPredicate hw:has_greeting ;
  ldp:membershipObject ldp:MemberSubject;
  f:parameterSet [
    f:parameter [
      f:property dc:lang ;
      rdfs:range dc:Language ; ]
    f:parameter [
      f:property foaf:name ;
      rdfs:type http://www.w3.org/2001/XMLSchema#String ; ]
  ] .
```

forms for Robots !

```
</bfw/42> a hw:Greeting ;
  hw:message "hola Peter" ;
  dcterms:created "2013-05-05T10:00"^^xsd:dateTime .
```



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