

# Extended YAML-LD

(Ab-)use i18n for language-tagged literals

```
%YAML 1.2
%TAG !i18n! https://www.w3.org/ns/i18n%23
---
"@context":
  "@vocab": http://example.com/
  name: http://xmlns.com/foaf/0.1/name
  homepage: http://xmlns.com/foaf/0.1/homepage
  depiction: http://xmlns.com/foaf/0.1/depiction
name: Gregg Kellogg
homepage: https://greggkellogg.net/
depiction: http://www.gravatar.com/avatar/42f948...
lang: !i18n!en-US US English
dir: !i18n!_ltr "Left to Right"
langdir: !i18n!en-US_ltr "Left to Right US English"
```

```
@prefix ex: <http://example.com/> .
@prefix foaf: <http://xmlns.com/foaf/0.1/> .
@prefix i18n: <https://www.w3.org/ns/i18n#> .

[
  foaf:name "Gregg Kellogg";
  foaf:homepage "https://greggkellogg.net/";
  foaf:depiction "http://www.gravatar.com/avatar/42f948...";
  ex:lang "US English"@en-US;
  ex:dir "Left to Right"^^i18n:_ltr;
  ex:langdir "Left to Right US English"^^i18n:en-US_ltr;
]
```

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## YAML Representation Graph

```
%YAML 1.2
%TAG !xsd! http://www.w3.org/2001/XMLSchema#
---
"@context":
  "@vocab": http://xmlns.com/foaf/0.1/
name: !xsd:string Gregg Kellogg
homepage: https://greggkellogg.net/
depiction: http://www.gravatar.com/avatar/42f948...
date: !xsd:date "2022-09-12"
```

```
Document (implicit end) %TAG(! http://www.w3.org/2001/XMLSchema#) version 1.2 [
[0] Mapping (implicit) BLOCK {
  Scalar DOUBLE_QUOTED (quoted) "@context" => Mapping (implicit) BLOCK {
    Scalar DOUBLE_QUOTED (quoted) "@vocab" =>
      Scalar PLAIN (plain) "http://xmlns.com/foaf/0.1/"
  },
  Scalar PLAIN (plain) "name" =>
    Scalar !<http://www.w3.org/2001/XMLSchema#string> PLAIN "Gregg Kellogg",
  Scalar PLAIN (plain) "homepage" =>
    Scalar PLAIN (plain) "https://greggkellogg.net/",
  Scalar PLAIN (plain) "depiction" =>
    Scalar PLAIN (plain) "http://www.gravatar.com/avatar/
42f948adff3afaa52249d963117af7c8",
  Scalar PLAIN (plain) "date" =>
    Scalar !<http://www.w3.org/2001/XMLSchema#date> DOUBLE_QUOTED "2022-08-08"
}
]
```