

GEDCOM X

<http://gedcomx.org/>



GEDCOM X

- Genealogical Data Exchange
 - Media Types (e.g. JSON)
 - Standard Interface (e.g. REST)
 - SDKs (Java, JavaScript, C#, etc.)

application/xml
application/pdf
application/json
audio/mpeg
image/jpeg
image/png
image/gif
multipart/mixed
text/csv
text/css
text/html
text/plain
video/mp4
application/vnd.ms-excel
application/calendar+xml
application/qzip

Media Types

GEDCOM X: Media Types

- Semantics
 - Sources
 - Persons
 - Relationships
 - Evidence
 - Places
 - Analysis
 - Etc.

GEDCOM X: Media Types

- Formats
 - XML
 - JSON

GEDCOM X: Date Format

Date Description	Encoding	Type
January 18, 1752 at 10:14 p.m.	+1752-01-18T22:14	Simple Date
From April 13, 1825 to November 26, 1825	+1825-04-13/+1825-11-26	Date Range
Until May, 1887	/+1887-03	Open-ended Date Range
About 1680	A+1680	Approximate Date
Sometime between April 13, 1825 and November 26, 1825	A+1825-04-13/+1825-11-26	Approximate Date Range

GEDCOM X: XML Format

```
<gedcomx xmlns="http://gedcomx.org/v1">
```

```
  <person id="P1">  
    <source description="#SD1"/>  
    <name>...</name>  
  </person>
```

```
  <person id="P2">  
    <source description="#SD2"/>  
    <name>...</name>  
  </person>
```

```
  <relationship>  
    <person1 resource="#P1"/>  
    <person2 resource="#P2"/>  
  </relationship>
```

```
  <sourceDescription id="SD1">  
    <citation>...</citation>  
  </sourceDescription>  
  <sourceDescription id="SD2">  
    <citation>...</citation>  
  </sourceDescription>
```

```
</gedcomx>
```

GEDCOM X: JSON Format

```
{
  "persons" : [
    {
      "id" : "P1",
      "sources" : [ { "description" : "#SD1" } ],
      "names" : [ ... ],
    },
    {
      "id" : "P2",
      "sources" : [ { "description" : "#SD2" } ],
      "names" : [ ... ],
    },
  ],
  "relationships" : [
    {
      "person1" : { "resource" : "#P1" },
      "person2" : { "resource" : "#P1" }
    }
  ],
  "sourceDescriptions" : [
    {
      "id" : "SD1",
      "citation" : { ... },
    },
    {
      "id" : "SD2",
      "citation" : { ... },
    }
  ]
}
```


GEDCOM X: API

- Conforms to REST
- Based on Hypermedia
- Designed for reusable consumer code

GEDCOM X: API

```
<gedcomx xmlns="http://gedcomx.org/v1">
```

```
  <person id="P1">
```

```
    <link rel="parents" href="/path/to/parents"/>
```

```
    <link rel="children" href="/path/to/children"/>
```

```
    <link rel="spouses" href="/path/to/spouses"/>
```

```
    <name>...</name>
```

```
  </person>
```

```
  <collection id="P1">
```

```
    <link rel="search" template="/path/to/search{?q}"/>
```

```
    <link rel="persons" href="/path/to/persons"/>
```

```
    <link rel="artifacts" href="/path/to/artifacts"/>
```

```
    <title>...</title>
```

```
  </person>
```

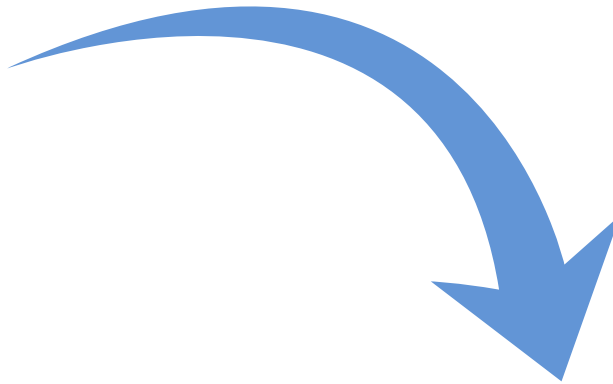
```
</gedcomx>
```

GEDCOM X @FamilySearch

- FamilySearch API
- Internal data exchange
 - Tree
 - Records
 - Sources
- External data exchange
 - Ancestry
 - MyHeritage
 - Etc.

GEDCOM X

Start Here



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Questions?

