### Open Source Software for AnIML

201

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## AnIML Tools

- Open Source components (C#, Microsoft .Net) for AnIML
- First Open Source .Net solution available
- Hosted on Sourceforge
- LGLP licensing (can be used in commercial products)



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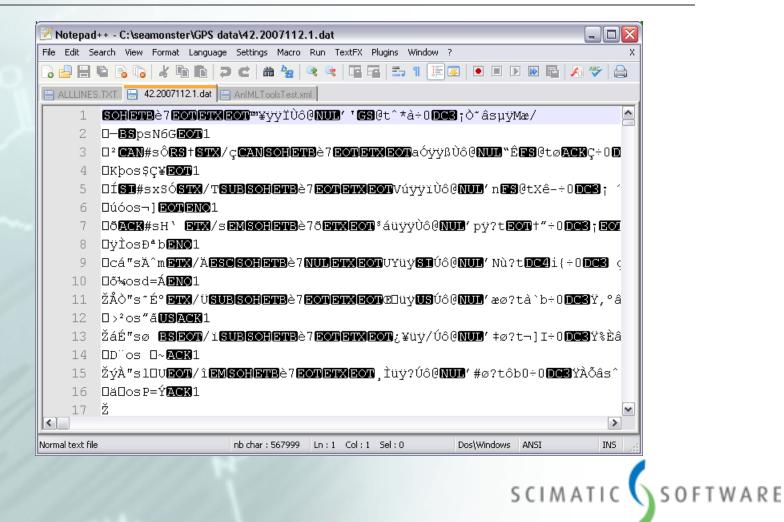
Why did you start AnIML Tools? Why Open Source?



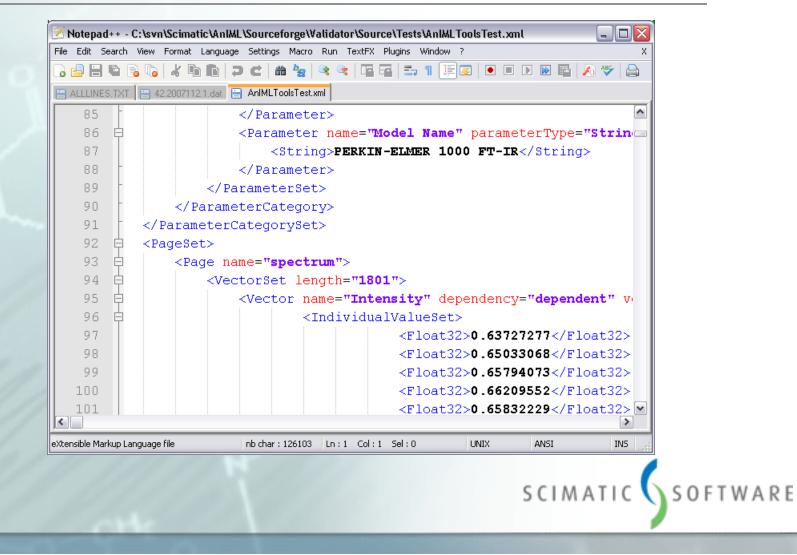
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#### Parse this in 20 Years



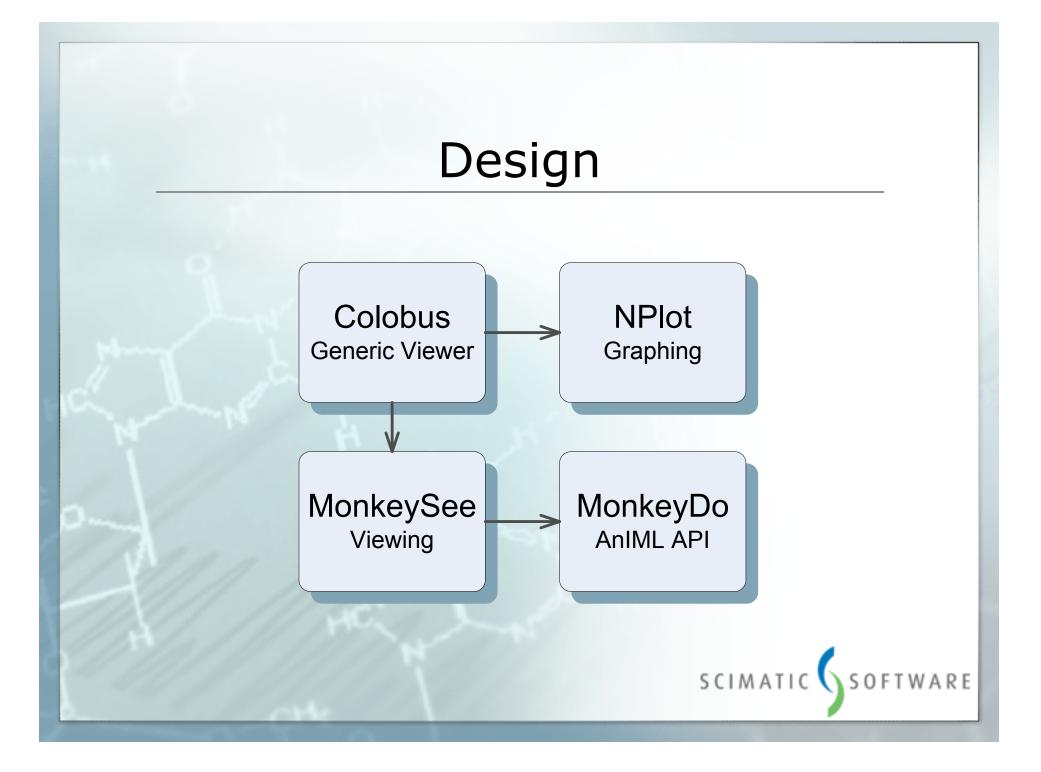
#### Wait, that looks like data!

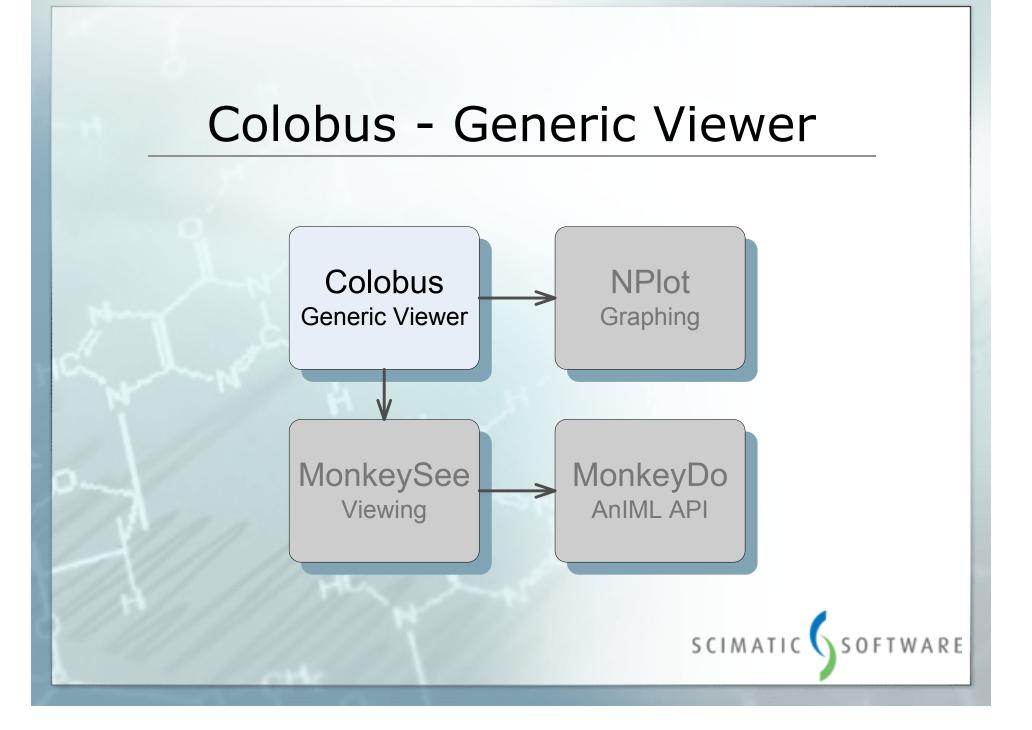


# Why Open Source?

- We develop software (we learn by doing)
- We are a solutions company (not a products company)
- Modern day advertising (see what we can do with AnIML)
- Doing our part to promote the AnIML standard

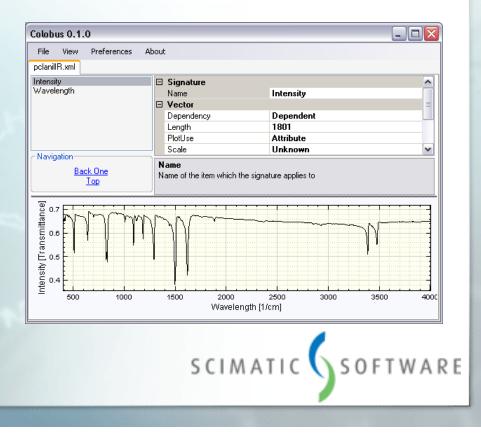


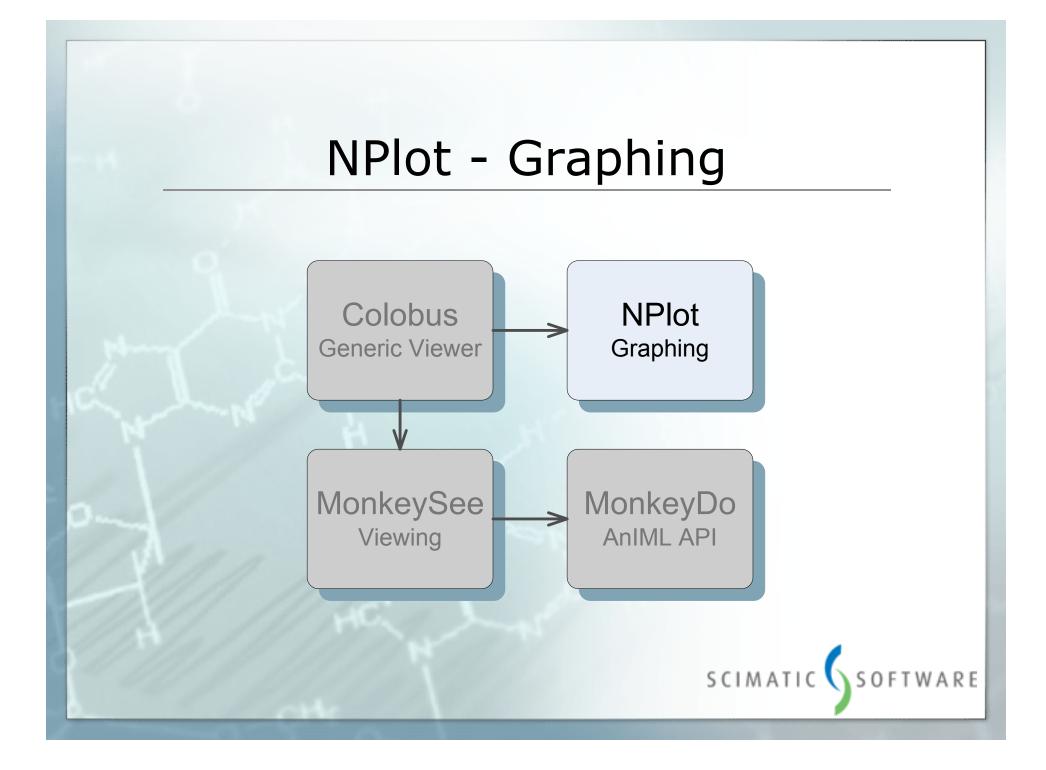




### Colobus

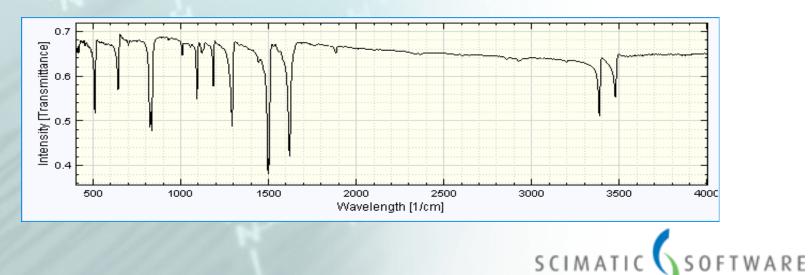
- Generic viewer of AnIML files
- Provides method to view multiple AnIML files
- We use this to test our library

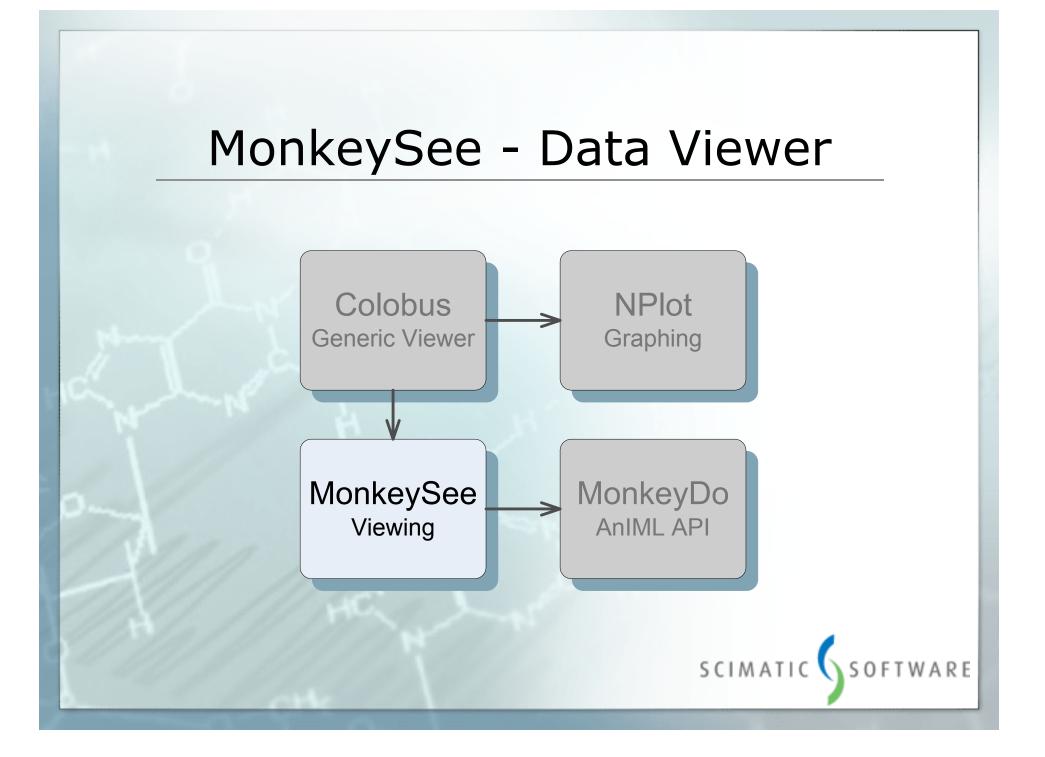




# NPlot

- Popular Open source charting library (~1100 downloads/month)
- Why we choose NPlot:
  - We know NPlot (I' m a project administrator)
  - Used in client and in-house projects



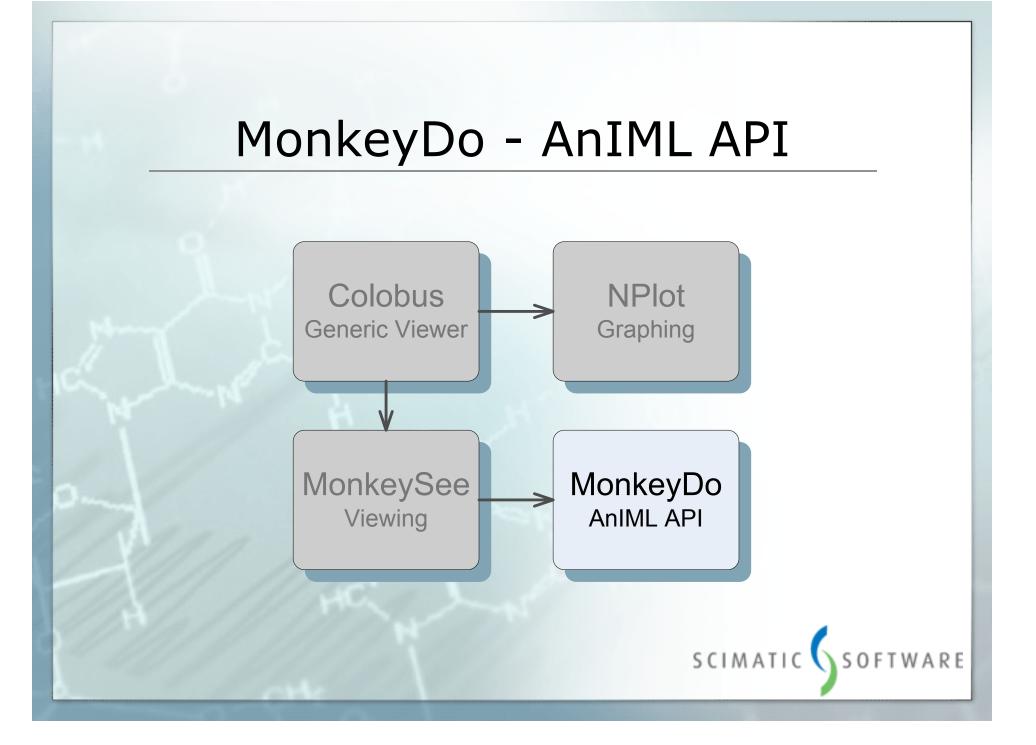


## MonkeySee

- Component for viewing the contents of AnIML files
- C# windows component (can be dropped into your Winforms project )

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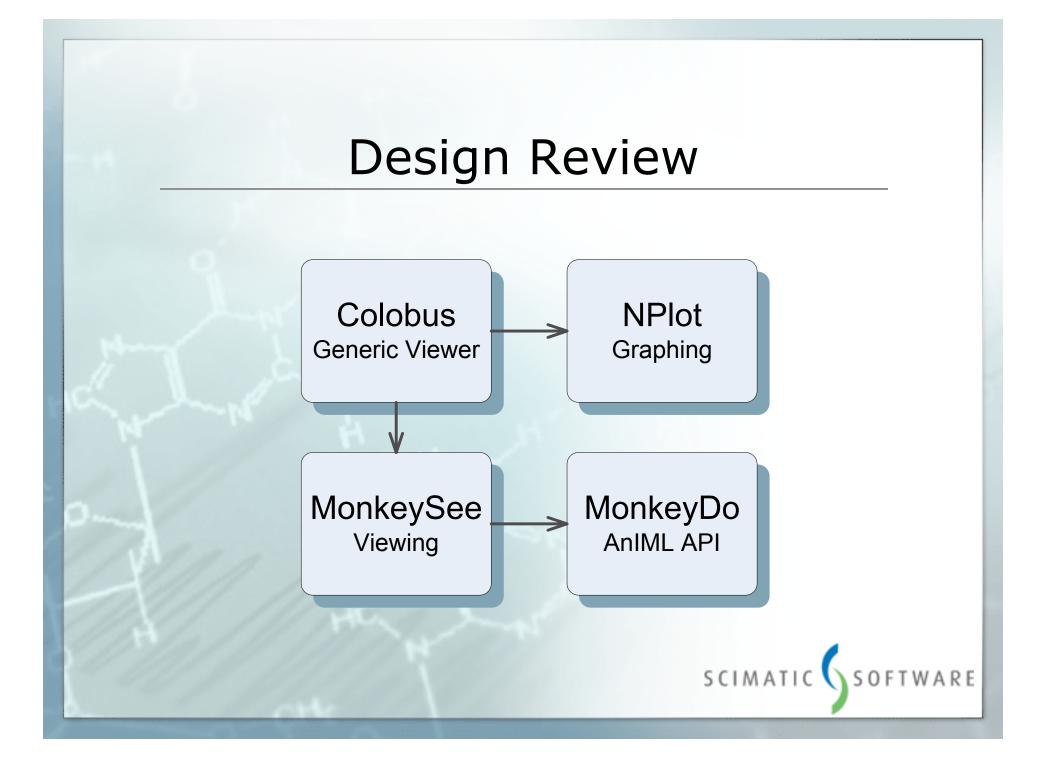


## MonkeyDo

- DLL which contains the logic to read (eventually write) AnIML files
- Load AnIML files
- Access samples, Experiments, Audit Trail easily
- No dependencies on any other of the AnIML Tools components







## Current Features (0.1.0)

- Supports the loading and parsing of the data specified by the core schema
  - Sample Sets
  - Experiment Step Sets
  - Audit Trail
- AnIML visualization contents of files viewable via MonkeySee
- Graphing data is graphed in the NPlot component
- Exporting Data can be easily moved to another application (i.e. Excel)



## **Development Roadmap**

First Release (1.0)

- Support for technique schemas
- Validation Integrate NIST validation work (Java)

#### Next Version (2.0)

- Update the MonkeyDo component to allow the writing of AnIML files
  - Timestamps
  - Digital signatures

#### **Future Plans**

Embeddable version of the MonkeyDo component (moving AnIML into the instrument)



## Getting Involved

AnIML

Domain experts for analytical techniques (NMR, Mass spec)

#### AnIML Tools

- Software developers C# knowledge with time to donate?
- Feedback Is this software useful for your company?



# Links

AnIML Project	animl.sourceforge.net
AnIML Tools	www.animltools.com
NPlot	www.nplot.com
JSpecView	jspecview.sourceforge.net
Scimatic Software	www.scimatic.com

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