



Nick Floyd
Fellowship Technologies

Track: Accelerate Technology

Future of Fellowship One API : Moving to a RESTful architecture

Where have we been?



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Where have we been?

- DataExchange – XML-RPC API
- 
- A vertical bar on the left side of the slide, composed of several colored segments: a small red square at the top, a grey square, a blue square, and a long red bar at the bottom.

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- WS-*
- Websites – Portal, Weblink, etc

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- Easily consumable by any client
- Follows established industry standards
- Needs to be highly scalable
- Support different data interchange formats (XML, JSON, HTML....)
- Versioned interface

Where are we going?



“RESTful”



Why RESTful?



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- Easy to use – URLs
 - REST is successful for the human-web
- Resource oriented architecture
 - REST assumes HTTP (get, put, post, delete)
- Flexibility
 - Response formats (xml, html, json, etc...)

Demo

How easy is “RESTful” easy?



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 - <http://oauth.net/>
- Authorization using existing security
- Extend Representation Formats

Demo

Using the API

What are we missing?



What are we missing?
Your input.

nfloyd@fellowshiptech.com



Please fill out session evaluation!



A standard 1D barcode is located in the top left corner of the slide.

Dev Stuff / Events



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- RESTing DEV – who needs sleep?
 - Handout public keys and private secrets to all devs attending so that you can test drive the new API while you're at the conference

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- 05.15 – 900pm : Movie with DEV
- 05.16 – 1000pm : Gaming with DEV
- 05.17 – 1000am – 1200pm
 - API 3 person panel discussion and questions with laptops open showing the code for the new RESTful API

Questions?



References

- Roy Fielding Dissertation
 - <http://www.ics.uci.edu/~fielding/pubs/dissertation/top.htm>
- OAUTH
 - <http://oauth.net/>
- ASP.NET MVC
 - <http://www.asp.net/mvc/>
- Experience Development
 - <https://experience.fellowshipone.com/Experience/Developers.aspx>

Thank you!