Thinking in Shapes
The Future of Interoperability

Paul Stusiak (Falcon Technologies)
Josh Darnell (RESO)

Panelists
Mark Bessett (CRMLS) • Jon Druse (W+R Studios)
Chris Haran (MRED) • L.D. Salmanson (Cherre)
Paul has been involved with RETS and RESO since 1999. He is the co-chair of the Transport Workgroup. His background is in Electrical Engineering.

Falcon Technologies provides development of real estate technologies and has worked on many different projects that deliver standards compliant systems on both the server side and on the client side.

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Joshua Darnell
Chief Architect, RESO

Josh has been involved with RETS and RESO since 2001. He has worked for large MLS Vendors, Real Estate Start-ups, and MLSs and Brokerages since 2000. His background is in Computer Science, Math, and Bioinformatics.

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What Are Data Shapes?

Key to Interoperability

Currently, much variance exists among queries and data sets…

Integrations are slow and brittle and require lots of extra code!

Locale is challenging, but Real Estate is hyper-local!

Distance to Gateway Arch?

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Shapes Create Consistency

RESO DD

Local Data

Synonyms

Property

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Shapes Create Predictability

RESO Data Dictionary Provides the Foundation for Data Shapes

Local Data can be added to each Resource, in this case Property

Synonyms can be projected onto DD and Local Data to provide Local Names and Translations
Eventually, data can even be packaged into bundles consisting of related data.

For example: all Property, Member, Media, and OpenHouse data for a given set of Listings.
Fun with Shapes: Streamline Data Transfers

Consider a data consumer who needs both IDX and BBO payloads...

IDX Shape + BBO Shape = IDX + BBO Shape

Data may be returned in a single response that contains both data sets!

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Common Schema Goals

- Reference Metadata for Resources, Fields, Enumerations, and Relationships for DD 1.6+
- Standard Data Shapes
- Localization and Internationalization

Workgroup meets every other Thursday for 45m.

See RESO Calendar or talk to Paul and Josh!

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PANELISTS

Mark Bessett
Enterprise Architect
CRMLS

Chris Haran
CTO
MRED

Jon Druse
Director of Engineering
W+R Studios

L.D. Salmanson
CEO, Co-Founder
Cherre
Data Shapes

Data Shapes are useful for MLSs, MLS Vendors, Aggregators, Syndicators, Analytics Providers, Brokerages, and other Data Producers and Consumers involved in the Transaction.

Cherre
Story or Quote that hits the message out of the park!

CRMLS
Story or Quote that hits the message out of the park!

MRED
Story or Quote that hits the message out of the park!

W+R
Story or Quote that hits the message out of the park!
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THANK YOU!

Comments or Questions?

SEE YOU IN NEW ORLEANS!