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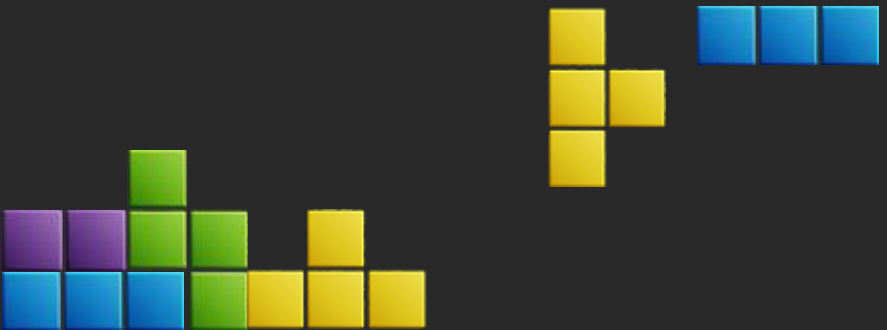
Universal Property Identifier

Workgroup Update



IT'S GAME ON
FOR DATA STANDARDS!

SPEAKERS

Mark Bessett

mark@crmls.org

Matt Casey

matt@crsdata.com

Jon Mabe

jonm@zillowgroup.com

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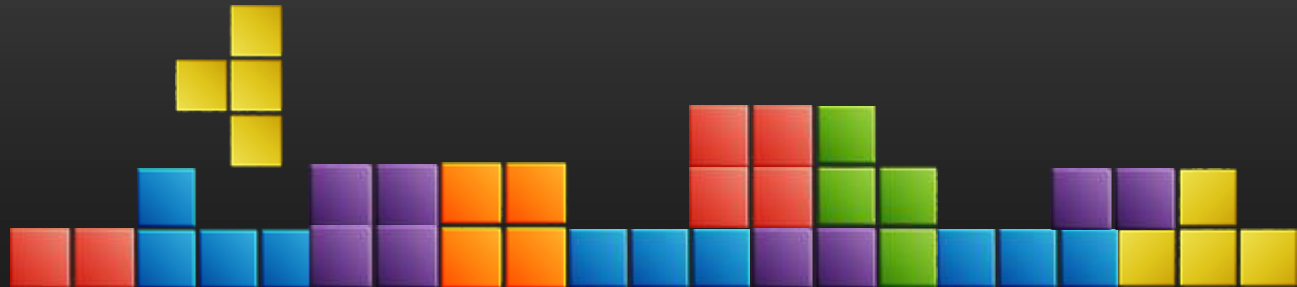

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UPI WG Current Activities

Highlights

- Released UPI Specification
- Integrating UPI in other parts of RESO (Data Dictionary)
- Building UPI libraries
- Designing the UPI Registry
- Looking ahead at application of strategy to Canada

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Quick Background: UPI

UPI = Universal Property Identifier

- UPI provides a standards-based model to identify property
  - Hierarchical – Decentralized
  - Follows standards – ISO, FIPS / ANSI
  - Supports sub-parcel “properties” – Co-ops, etc.
- Ratified the UPI specification
  - Board adopted last December
  - Available for download at (https://www.reso.org/universal-property-id)
  - Open to PUBLIC

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What is a UPI?

- “Universal” Model
- Provides a mechanism to reference Properties

- US Model
- Allows ubiquitous determination in decentralized way (Authoritatively)

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UPI in the Wild

UPI	Scenario
US-04015-N-11022331-R-N	APN 110-22-331 in Maricopa County, Arizona Maricopa County has no parent authority for assigning parcel numbers
US-42049-49888-1213666-R-N	APN 121-13-666 in Millcreek Township within Erie County, PA, (sub-county)
US-36061-N-010237502R1-R-N	Building 1/23/7502R1 in New York County (Manhattan Borough)
US-36061-N-010237502R1-S-113	Building 1/23/7502R1 in New York County (Manhattan Borough) Unit 113
US-06075-N-40010333-T-10	Lot 10 on parcel 40010333 in San Francisco, which is currently under construction
US-04019-N-12401001H-B-119	Aerospace Engineering (building 119) at the University of Arizona Tucson, Pima County, AZ

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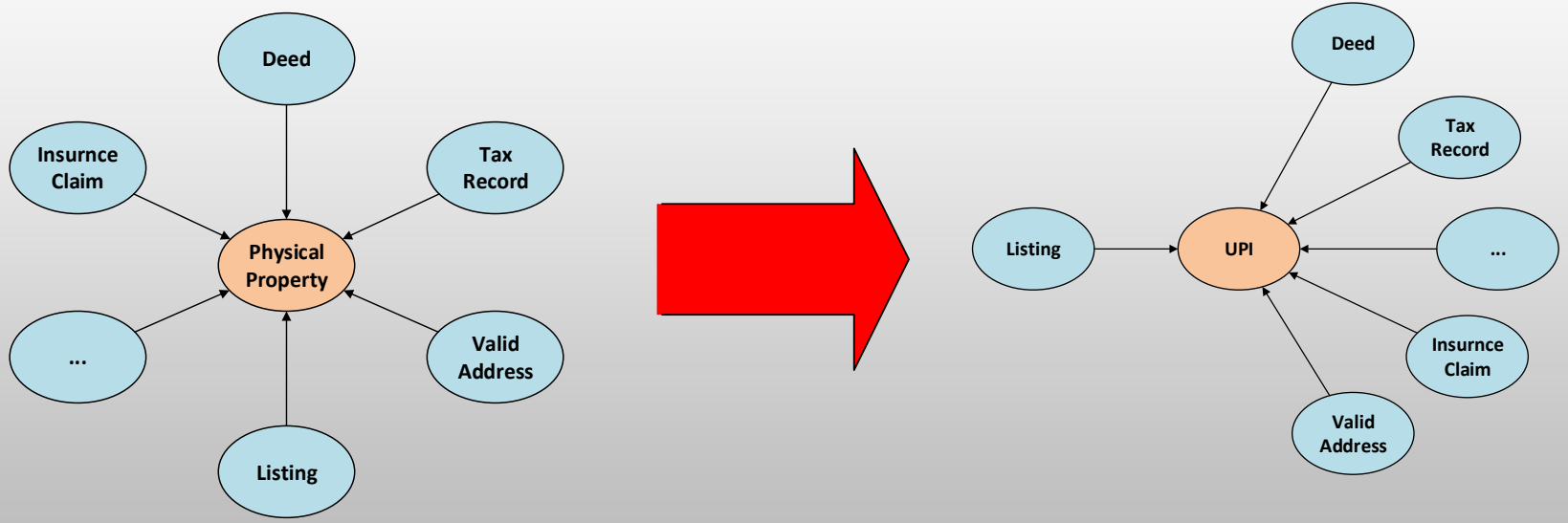
UPI Model



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UPI Participation

Organizations Actively participating with, or implementing UPI

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UPI in Data Dictionary

Version 1.6 (Released)

- Physical, Real Property UPI - Required

Version 1.7 (Pending July-ish)

- Physical, Real Property UPI - Required
- Sub-property UPI (non ”R” UPI) - Optional

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UPI: Library Support

Workgroup Members writing **FREE** code YOU CAN USE!

- Based on requests workgroup received for creation and validation
- Assists adoption & use
- Open Source licensed
- C#, Java, JS, Python, Ruby, PHP
- Libraries maintained in GIT repo that RESO maintains

https://github.com/RESOStandards/

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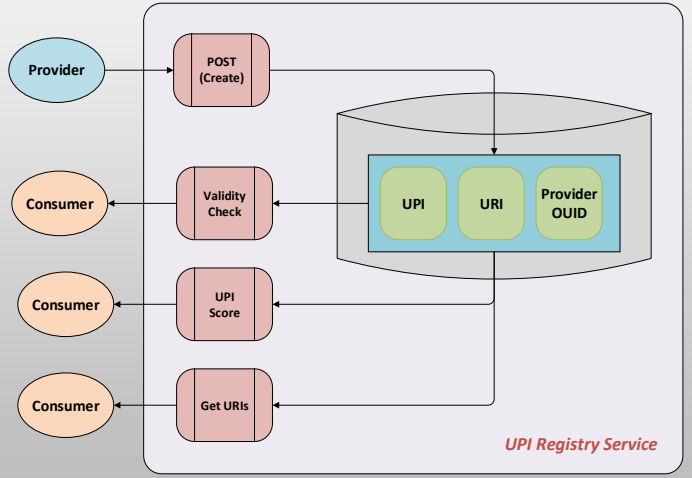
UPI Registry

What is the UPI Registry?

- **Centralized** place for participating providers to indicate they have data referencing a specific UPI
- Hosted by RESO



Contains:

- UPI
- URI representing information
- Provider

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UPI Registry

Why is the UPI Registry valuable?

- Allows consumers to measure probability of UPI *existence* via a score
- Provides a market place for providers and consumers
- Promotes and enhances the real estate information ecosystems
- A strong tool to keep data coherent among the breadth of data providers

UPI Registry

What the UPI Registry does NOT provide

- Storage of rich data beyond the UPI itself and the provider's URI
- Guarantee of access to provider data – Provider's terms of service govern access to their data
- There is no guarantee of any fact beyond the provider's indication they have data corresponding to a UPI

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UPI Registry Providers

Who can interact with the UPI?

- RESO member organizations can be providers
- RESO members can consume analytic services
- Anyone can *register* to consume UPI validation and score services**
- FREE to RESO Members

For more information, see the whitepaper link on the UPI Workgroup page

***** Final Access Policy under review***

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UPI in CANADA

- Research & evaluate the model in Canadian context
- Challenges
- NEED Help!

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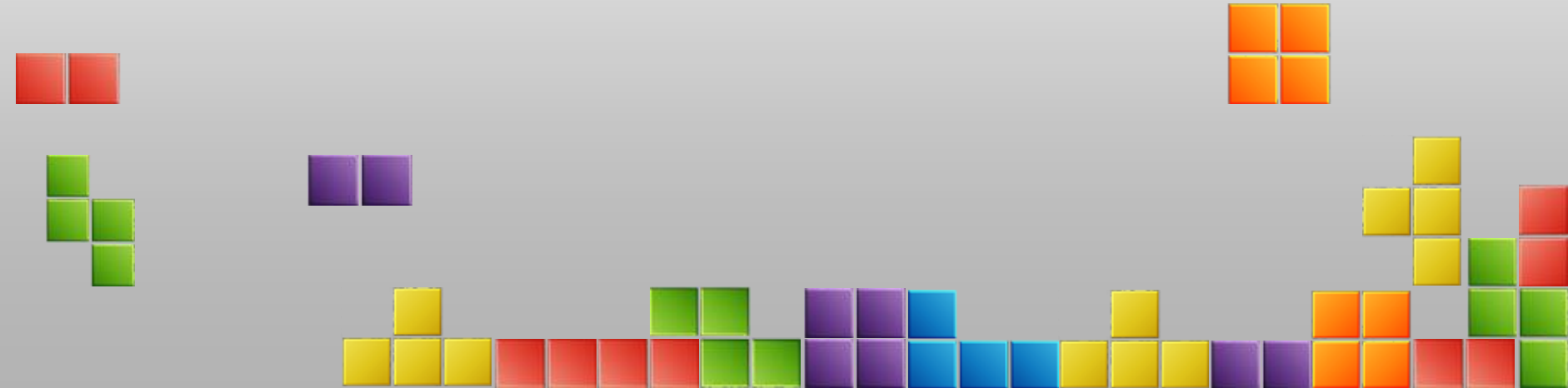
Questions?



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Thank You,

Everyone!